# ZODIAC®
## a FLUIDRA company

# 2020 Catalogue

## POOL CARE EQUIPMENT

# Contents

CLEANING

POLARIS®

HEATING

DEHUMIDIFICATION

SET®

FILTRATION

WATER TREATMENT

AUTOMATION

SPARE PARTS

# FLUIDRA

## THE PERFECT POOL EXPERIENCE

50 years ago Fluidra's four founding families opened our first company in Barcelona, Spain. Half a century on, and thanks to the support of all our valued customers, our global footprint now extends to over 45 countries. Always driven by our customer-first approach we strive to provide you with the best possible service.

Our portfolio includes some of the most trusted brands, including Jandy®, AstralPool®, Polaris®, Cepex®, Zodiac®, CTX Professional® and Gre®. We offer our customers an expansive array of products across both the residential and commercial pool and wellness markets.

We have some 5,500 employees and the necessary resources to accelerate innovation in critical areas like energy-efficiency, robotics and the Internet of Things. We are guided by clear values and come to work every day with a simple and direct mission in mind: **To create the perfect pool and wellness experience**.

Many thanks for your loyalty during these five decades. Fluidra is as dedicated as ever to its mission and looks forward to supporting the growth of your business for generations to come. With a 50 year heritage of excellence, this is just the beginning.

FLUIDRA
**50** Est. 1969
**YEARS**

## INTEGRATED BUSINESS MODEL

**R+D+i**
Excellence in innovation with +200 engineers and +1,100 patents

**Production**
37 flexible multi-technology plants in key countries

**Logistics**
Logistics operators to ensure fast and reliable deliveries

**Distribution**
Some 136 points of sale, giving support and training to the professional clients in over 45 countries

**Engineering**
Design and engineering of water projects

# KEY FIGURES

**5,500**
Number of employees

**+45**
Number of countries

**136**
Number of sales branches

**37**
Number of production centres

# HIGHLY RECOGNIZED BRANDS

Jandy

ASTRALPOOL

Polaris

CEPEX

ZODIAC

Gre

# A GLOBAL POWERHOUSE

**49%**
Europe

**31%**
North America

**20%**
Rest of the world
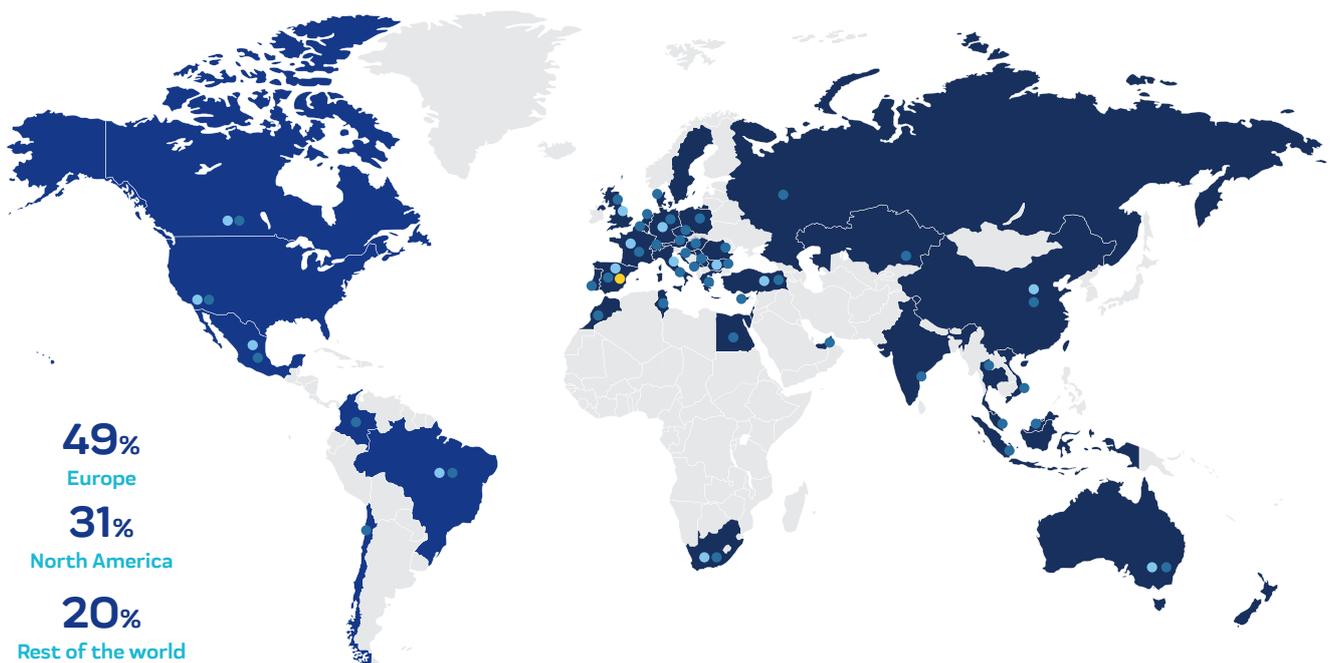
● Own sales branch  ● Production centres  ● Headquarters

# > CUTTING-EDGE INNOVATIONS

## ROBOTIC CLEANER - ALPHA iQ™

### ULTRA-EFFICIENCY COMBINED WITH INTELLIGENCE



### PERSONALISED CLEANING

Thanks to its Sensor Nav System ™, the ALPHA iQ™ robotic cleaner identifies the configuration of your pool to optimise its movements and cleaning time. Its pressure sensor provides superior wall climbing and waterline cleaning according to the depth of the pool.

### EFFECTIVE SUCTION

Its patented cyclone suction is extremely powerful and long lasting suction. Thanks to its extra-large suction capacity and very fine filtration system, ALPHA iQ™ optimally collects all types of debris.

### EASY-TO-USE

Thanks to its patented Lift System, ALPHA iQ™ is lighter when removing it from the water. Its simple access to its filter and the visibility offered by its transparent window make it easy-to-use in all circumstances.

### INTUITIVE CONTROLS

Monitor cleaning progress at any time using the intuitive interface of the iAquaLink™ application. ALPHA iQ™ is upgradeable thanks to possible optimisations and automatic remote updates.

*iAquaLink*
CONTROL

# PRESSURE CLEANER - POLARIS QUATTRO™

## DEBRIS DOESN'T STAND A CHANCE

Equiped with brushes and 4 Wheel-drive The new Polaris Quattro™ cleans the floor and the walls by removing debris, even stuck-on debris.

Multi-directional navigation delivers quick and efficient coverage of the entire pool.

Its double-filtration filter canister and the extra-large debris intake collects both large and fine debris.

The filter canister can easily be cleaned without touching the debris with a simple jet of water.

# HEAT PUMP - Z500iQ

## THE ECO-SILENCE CHOICE, CONNECTED

### FULL INVERTER TECHNOLOGY: SILENT AND ECONOMICAL

Z500iQ comes equipped with the Inverter technology. With this technology, operating speed is adjusted based on the required amount of power, which depends on ambient temperature. You will enjoy savings. By activating the "silent" mode, Z500iQ is more discreet..

### FITS EASILY INTO SMALL PLACES

The Z500iQ is discreet and can be installed next to any pool. Thanks to its smaller footprint, requiring half the space of standard heat pumps and to its vertical air flow, it can be placed in the smallest spaces.

### EMBEDDED CONNECTIVITY[1]

With your smartphone, you can remotely set and consult Z500iQ heat pump's different modes of operation.

Color to be confirmed

**iAquaLink™** CONTROL

[1]iAquaLink™ app availability during the 2020 pool season

# > CONNECTED INNOVATIONS

Smartphone connectivity has now over every sector, including swimming pools. To meet the needs of this growing market, Zodiac® is committed to developing high-tech products featuring smart, high-performance innovations. These connected devices can be monitored remotely from a Smartphone, instantly adjusting to the user's needs in just a few taps.

**Robotic cleaners**
Alpha iQ™ Range

Vortex™ 4WD Range - RV 5480 iQ

**Water treatment**
eXO® iQ Range

Hydroxinator® iQ MagnaPool®

**Equipments**
LED NL

FloProTM VS
& iQ Pump

**Heat pumps**
Z400iQ Range

Z500iQ Range

**Did you know ?**

When a product from Zodiac® range includes «iQ» word, this indicates that it is connected via iAquaLink™ smartphone app.
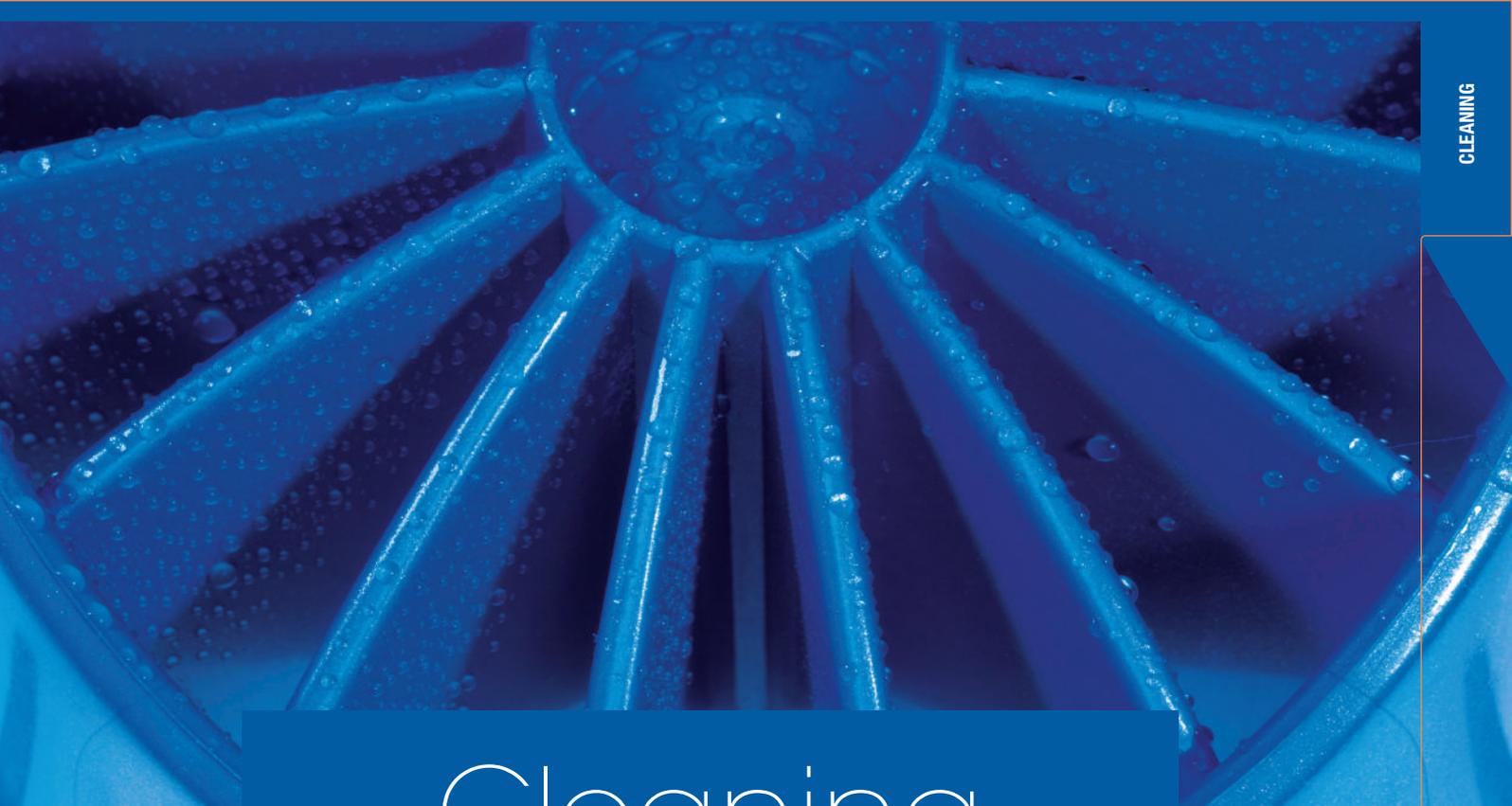
# Cleaning

# > 3 TECHNOLOGIES FOR SWIMMING POOL CLEANING

To clean a pool as well as possible, multiple parameters are considered in **the choice of cleaning equipment:** shape and lining of the pool, standard of cleaning, volume to be covered, etc.

**High technology Zodiac® cleaners** match the different features of a pool, the cleaning time and every budget.

**3 types of technologies** are currently available:
electric cleaning, hydraulic cleaning and pressure cleaning.

## > ZODIAC® ELECTRIC ROBOTIC CLEANERS: A HIGH-PERFORMANCE, STAND-ALONE SYSTEM

**Separate from the filtration system** and simply connected to the mains power, they are Plug&Play and **stand-alone equipment.**

With no action required and **programmable** (cleaning time, area to be covered, etc.), they reach every corner of the pool, climb the walls, clean the water line and collect impurities in their own filter basket.

There are different models for all types of pools.

## > ZODIAC® HYDRAULIC ROBOTIC CLEANERS: A SIMPLE AND AFFORDABLE SOLUTION

Hydraulic robotic cleaners can be easily installed in the pool filtration system. In fact, they work on the energy produced by your pump.

Vacuum cleaners capture debris by suction and accumulate it in the pump pre-filter.

**More affordable** than electric cleaners, hydraulic cleaners are connected to a pool vacuum point or a skimmer and are **particularly suitable for the smallest pools** (with a flat floor or gentle slope and above-ground pools).

## > AUTOMATIC POLARIS® CLEANERS: THE POWER OF A HIGH-PRESSURE CLEAN

These cleaners **use the swimming pool's filtration pump as a power source** for even more efficient and precise high-pressure cleaning.
Instead of being connected to the suction, pressure cleaners are connected to the pool water return, using the vacuum point converted to discharge.
In this way, the pool skimmers remain active and maintain full surface filtration capacity.

Pressure cleaners work with a booster pump and have a canister that collects debris sucked in, preventing the pump pre-filter from becoming blocked.

To optimise the efficiency of these accessories, it is essential to **ensure they are compatible with the pool lining**, filtration equipment, environment, etc.
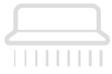
# > ELECTRIC ROBOT CLEANERS
## A stand-alone and efficient solution

The electric robots combine **the best of Zodiac® technology.**

Thanks to the embedded cyclone suction, a patented Zodiac® technology, **the cleaning performance is maintained throughout the cleaning cycle**. They even capture the finest debris without filter clogging.

Separate from the filtration system, these Plug&Play devices trap debris in their own filter basket, making them stand-alone.

### > TORNAX PRO, EFFICIENCY PURE & SIMPLE

The Tornax robotic cleaner guarantees **efficient cleaning** of your pool, completely autonomously, thanks to its smart movement and its rotating brush, which removes debris before collecting it. Tornax is the **lightest** (5.5 kg) of all the Zodiac® robotic cleaners.
It is feather-light, meaning it is quick, easy and **effortless** to operate. Tornax is designed not only to be easy to use but also easy to maintain, as the filter can be accessed from the top so it can be rinsed without touching the debris.

### > CYCLONX™ PRO, CONCENTRATED TECHNOLOGY

Robotic cleaners in the CyclonX™ PRO range provide optimum cleaning of the pool, thanks to several pre-programmed cycles, a **Deep Clean** cycle to clean the pool floor and a one-hour **Quick Clean** programme. Thanks to their large capacity filter (up to 3.7 L) and their wide suction inlets, all debris is collected. The filter can be easily cleaned using the **Push'n'Go™** function, a patented Zodiac® innovation that helps raise the filter basket handle with the push of a button.

### > VORTEX™ PRO 4WD, ULTIMATE POWER IN A 4 X 4 VERSION

Robotic cleaners from the Vortex™ PRO 4WD range are equipped with Zodiac® patented **extra-powerful and long-lasting suction**. Equipped with **4-wheel drive**, these robotic cleaners are truly all-terrain: they adapt to all kinds of surfaces, perfectly grip the walls and get over obstacles more easily. Most of Vortex™ PRO 4WD robotic cleaners also come with **Lift System** technology, so they are lighter when being removed from water (20% less effort).

### > ALPHA iQ™, ULTRA-EFFICIENCY COMBINED WITH INTELLIGENCE

With its Sensor Nav System™, the ALPHA iQ™ range identifies the configuration of your pool **to optimise movements** and cleaning time. The patented cyclone suction garantees **extremely powerful and long-lasting suction**. Thanks to its patented **Lift System**, ALPHA iQ™ is lighter when removing it from the water. Monitor cleaning progress at any time through the **intuitive interface** of the iAquaLink™ application. ALPHA iQ™ is **upgradeable** thanks to possible optimisations and automatic remote updates.
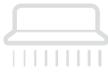
## CYCLONIC SUCTION

### Patented technology for powerful cleaning

#### > HOW DOES IT WORK?

Thanks to its unique design, Vortex cleaners feature **Cyclonic Suction** : the flow is **keeping debris in suspension inside the filter** and allows a longer lasting suction while **limiting the clogging.**

Robotic cleaners equipped with cyclonic suction can be found here:
**RV5300, RV5380, RV5600, RA6300 iQ, RA 6500 iQ and RA 6700 iQ**

## LIFT SYSTEM

### Patented innovation for easier removal from the water

#### > 20% LESS EFFORT

The robotic cleaner positions itself on the chosen wall and cleans right up to the water line. Then a powerful waterjet propels it from the water: **which means you can remove the robot from the water with just 20% of the effort**.

Robotic cleaners equipped with cyclonic suction can be found here:
**RV 5380**, **RV 5600**, **RA 6300 iQ, RA 6500 iQ, RA 6570 iQ** and **RA 6700 iQ.**

## SENSOR NAV SYSTEM

### Smart navigation system for efficient and customized cleaning

#### > PERSONALISED CLEANING OF EACH POOL

**Sensor Nav System ™ gathers different embedded features which enable the robotic cleaners to learn all about each pool and to adapt its cleaning** in the smartest way.

• Recognition and analysis of the pool dimensions and shape to provide an optimized navigation pattern and cleaning time for each pool.

• Pressure sensor inside allowing the cleaner to climb the walls, reach and steadily brush the waterline whatever the depth is.

• Focusing on common dirty areas such as bottom of the walls or flat areas of the pool

Robotic cleaners equipped with Smart Nav system™ can be found here: **RA 6300 iQ, RA 6500 iQ** and **RA 6700 iQ**

## SWIVEL
# Avoid cable tangling

### > HOW DOES IT WORK?

Automatic swivel system prevents cable tangling during cleaner operation in the pool. **The cleaner efficiency is optimized and the cable storage is easier.**

Robots equipped with Swivel can be found here: **RV 5380, RV 5600, RA 6300 iQ, RA 6500 iQ** and **RA 6700 iQ**

## 4-WHEEL DRIVE (4WD)
# Effective cleaning of all surfaces

### > GETTING OVER OBSTACLES MORE EASILY

Equipped with **4-wheel drive**, robots from the **Vortex™ PRO 4WD** and **ALPHA iQ™** ranges adapt to all situations.

### > OPTIMAL COVERAGE AND PERFECT GRIP

Thanks to their excellent grip, robots from the Vortex™ **PRO 4WD** and **ALPHA iQ™** ranges get into the tiniest corners of the pool and clean **all kinds of surface**. The robots ensure **the pool is cleaned perfectly**.

Robotic cleaners equipped with 4 Wheel-drive can be found here:
**RV5300, RV5380, RV5600, RA6300 iQ, RA 6500 iQ** and **RA 6700iQ**

## PUSH'N'GO™
# Patented innovation for easy access to the filter

### > ACCESS THE FILTER IN JUST 1 CLICK

To make the filter even easier to access, Zodiac® created Push'n'Go™, an exclusive system that combines **comfort and ease of handling**.

### > HOW DOES IT WORK?

Click the button located on the top of the robotic cleaner to raise the handle. Then pull it to remove the robotic cleaner's filter basket.

Robots equipped with Push'n'Go™ can be found here: **RC 4380, RC 4400, RC 4401** and **RC 4402**
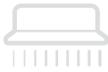
## > ELECTRIC CLEANERS
### A stand-alone and efficient solution

### COMPARATIVE TABLE OF RANGES

TECHNICAL SPECIFICATIONS

| | | RT 2100 | RT 3200 | RC 4380 | RC 4400 RC 4402 | RV 5300 |
|---|---|---|---|---|---|---|
| **Types of pools** | Surfaces | Liner, polyester hull, reinforced PVC, painted concrete, tiles (dedicated brushes) | Liner, polyester hull, reinforced PVC, painted concrete, tiles (dedicated brushes) | Liner, reinforced PVC, painted concrete. Polyester hull & tiles with dedicated brushes | Liner, reinforced PVC, painted concrete. Polyester hull & tiles with dedicated brushes | Liner, polyester hull, reinforced PVC, painted concrete, tiles |
| | Shapes | Rectangular, oval, free shape | Rectangular, oval, free shape | Rectangular, oval, free shape | Rectangular, oval, free shape | Rectangular, oval, free shape |
| | Bottom | Flat, gentle slope, composite slope | Flat, gentle slope, composite slope | Flat, gentle slope, composite slope, diamond shape | Flat, gentle slope, composite slope, diamond shape | Flat, gentle slope, composite slope, diamond shape |
| | Size | 8 x 4 m (14m cable) | 9 x 4 m (16m cable) | 10 x 5 m (15m cable) | 10 x 5 m (15m cable) | 12 x 6 m (18m cable) |
| **Performance** | Traction | Tracks | Tracks | Tracks | Tracks | 4 WD |
| | Cleaning areas | Floor | Floor / walls | Floor / walls / water line | Floor / walls / water line | Floor / walls / water line |
| | Filtering level | 100µ | 100µ | 100µ | 100µ | 100µ |
| | Filter capacity | 3L | 3L | 3,7L | 3,7L | 5L |
| | Swivel | - | - | - | - | - |
| | Sensor Nav System™ | - | - | - | - | - |
| | Remote control | - | - | - | - | - |
| | Contact + brushes | - | - | - | - | ✓ |
| **Cycles** | Number of cycles | 1 | 1 | 2 | 6 | 2 |
| | Cleaning cycles | Floor only | Floor / Walls | Floor / walls / water line Floor only | Floor / walls / water line Floor only | Floor / Walls / Waterline Floor only |
| | Manual cleaning time adjustment | - | - | - | ✓ | - |
| **Ease of use** | iAqualink™ app control | - | - | - | - | - |
| | Lift System | - | - | - | - | - |
| | 7-day timer | - | - | - | - | - |
| | Full filter indicator | - | - | - | ✓ | ✓ |
| | Transparent window | - | ✓ | ✓ | ✓ | - |
| | Type of filter | Rigid Filter canister with top access | Rigid Filter canister with top access | Rigid Filter canister with top access | Rigid Filter canister with top access | Rigid Filter canister with top access |
| | Trolley | - | - | - | ✓ | ✓ |
| **Advanced app features** | Water temperature display | - | - | - | - | - |
| | Spot cleaning mode | - | - | - | - | - |
| | Warranty | 2 years | 2 years | 2 years | 2 years | 3 years |

# CLEANING

## COMPARATIVE TABLE OF RANGES

### TECHNICAL SPECIFICATIONS

| | | RV 5380 | RV 5600 | RA 6300 iQ | RA 6500 iQ | RA 6700 iQ |
|---|---|---|---|---|---|---|
| **Types of pools** | Surfaces | Liner, polyester hull, reinforced PVC, painted concrete, tiles | Liner, polyester hull, reinforced PVC, painted concrete, tiles | Liner, polyester hull, reinforced PVC, painted concrete, tiles | Liner, polyester hull, reinforced PVC, painted concrete, tiles | Liner, polyester hull, reinforced PVC, painted concrete, tiles |
| | Shapes | Rectangular, oval, free shape | Rectangular, oval, free shape | Rectangular, oval, free shape | Rectangular, oval, free shape | Rectangular, oval, free shape |
| | | Flat, gentle slope, composite slope, diamond shape | Flat, gentle slope, composite slope, diamond shape | Flat, gentle slope, composite slope, diamond shape | Flat, gentle slope, composite slope, diamond shape | Flat, gentle slope, composite slope, diamond shape |
| | Size | 12 x 6 m (18m cable) | 20 x 10 m (25m cable) | 12 x 6 m (18m cable) | 12 x 6 m (18m cable) | 15 x 7 m (21m cable) |
| **Performance** | Traction | 4 WD | 4 WD | 4 WD | 4 WD | 4 WD |
| | Cleaning areas | Floor / walls / water line | Floor / walls / water line | Floor / walls / water line | Floor / walls / water line | Floor / walls / water line |
| | Filtering level | 100µ | 100µ | 60µ | 60µ | 60µ |
| | Filter capacity | 5L | 5L | 5L | 5L | 5L |
| | Swivel | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Sensor Nav System™ | - | - | ✓ | ✓ | ✓ |
| | Remote control | - | ✓ | - | in app | in app |
| | Contact + brushes | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Cycles** | Number of cycles | 2 | Multiple | 2 | Multiple | Multiple |
| | Cleaning cycles | Floor / Walls / Waterline Floor only | Floor / Walls / Waterline Floor only Waterline only | Quick : Floor only Smart : Floor / Walls / Waterline | Quick : Floor only Smart : Floor / Walls / Waterline Ultra : Floor / Walls / Waterline | Quick : Floor only Smart : Floor / Walls / Waterline Ultra : Floor / Walls / Waterline Waterline only |
| | Manual cleaning time adjustment | - | ✓ | - | ✓ | ✓ |
| **Ease of use** | iAqualink™ app control | - | - | ✓ | ✓ | ✓ |
| | Lift System | ✓ | ✓ | ✓ | ✓ | ✓ |
| | 7-day timer | - | ✓ | - | in app | in app |
| | Full filter indicator | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Transparent window | - | - | ✓ | ✓ | ✓ |
| | Type of filter | Rigid Filter canister with top access | Rigid Filter canister with top access | Rigid Filter canister with top access | Rigid Filter canister with top access | Rigid Filter canister with top access |
| | Trolley | ✓ | ✓ | ✓ | ✓ | ✓ |
| **Advanced app features** | Water temperature display | - | - | - | - | in app |
| | Spot cleaning mode | - | - | - | - | in app |
| | Warranty | 3 years | 3 years | 4 years* | 4 years* | 4 years* |

\* 3 years + 1 year if the cleaner is paired to iAqualink™

# > TORNAX PRO
## Efficiency, pure and simple




Cleans the pool floor (RT 2100)


Cleans floor and walls (RT 3200)


Light for effortless handling


Easy-to-clean filter

## COMPARATIVE TABLE OF RANGES

### TECHNICAL SPECIFICATIONS

| | | RT2100 | RT 3200 |
|---|---|---|---|
| **Types of pools** | Surfaces | Liner, polyester hull, reinforced PVC, painted concrete, tiles (dedicated brushes) | Liner, polyester hull, reinforced PVC, painted concrete, tiles (dedicated brushes) |
| | Shapes | Rectangular, oval, free shape | Rectangular, oval, free shape |
| | Size | 8 x 4 m (14m cable) | 9 x 4 m (16m cable) |
| **Performance** | Traction | Tracks | Tracks |
| | Cleaning areas | Floor | Floor / walls |
| | Filtering level | 100µ | 100µ |
| | Filter capacity | 3L | 3L |
| | Swivel | - | - |
| | Sensor Nav System™ | - | - |
| | Remote control | - | - |
| | Contact + brushes | - | - |
| **Cycles** | Number of cycles | 1 | 1 |
| | Cleaning cycles | Floor only | Floor / Walls |
| | Manual cleaning time adjustment | - | - |
| **Ease of use** | iAqualink app control | - | - |
| | Lift System | - | - |
| | 7-day timer | - | - |
| | Full filter indicator | - | - |
| | Transparent window | - | ✓ |
| | Type of filter | Rigid Filter canister with top access | Rigid Filter canister with top access |
| | Trolley | - | - |
| | Warranty | 2 years | 2 years |

# RT 2100 TORNAX PRO

Pool Cleaners > Electrics > RT 2100 TORNAX PRO

**2 YEAR WARRANTY**

## EFFICIENCY, PURE AND SIMPLE

+ Efficient floor cleaning
+ Lightweight for effortless handling
+ Easy clean filter

## PRODUCT REFERENCE

WR000092

## ACCESSORIES INCLUDED IN THE PACK

| Control box | Fine Filter canister 100µ | Control box base |
|---|---|---|

## FOR WHICH TYPE OF POOLS?

| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 8 x 4 m |
|---|---|
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope |
| Pool surfaces | Liner, polyester hull, reinforced PVC, painted concrete, Tiles * |

## DESCRIPTION

| Cleaning areas | Floor |
|---|---|
| Number / Length of cleaning cycles | 1 cycle - Floor : 2h30 |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | Tracks |
| Transmission | Gear transmission |
| Brushes | Yes |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 36 |

## TECHNICAL SPECIFICATIONS

| Number of motors | 2 |
|---|---|
| Control box supply | 100-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 100 W |
| Cable length | 14 m |
| Cleaner size (L x W x h) | 37 x 29 x 30 cm |
| Packaging size (L x W x h) | 56 x 37 x 38 cm |
| Cleaner weight | 5,5 kg |
| Packaging weight | 10 kg |
| Filtering surface and level | 480 cm² / 100µ |
| Filtering capacity | 3 L |
| Inlet suction size | 17 cm |

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Fine filter canister 100µ | Large debris filter canister 200µ | Trolley | Special tile brush (unit) |
|---|---|---|---|---|---|
| Reference | R0763100 | R0762900 | R0763000 | R0767600 | R0774900 |

*For optimal cleaner behavior in some tile pools, it might be necessary to use the specific tile brush accessory.

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# RT 3200 TORNAX PRO

**2 YEAR WARRANTY**

## EFFICIENCY, PURE AND SIMPLE

+ Efficient floor and walls cleaning
+ Lightweight for effortless handling
+ Easy clean filter

## PRODUCT REFERENCE

WR000093

## ACCESSORIES INCLUDED IN THE PACK

| Control box | Fine Filter canister 100µ | Control box base |
| --- | --- | --- |

## FOR WHICH TYPE OF POOLS?

| | |
| --- | --- |
| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 9 x 4 m |
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope |
| Pool surfaces | Liner, polyester hull, reinforced PVC, painted concrete, Tiles * |

## DESCRIPTION

| | |
| --- | --- |
| Cleaning areas | Floor / walls |
| Number / Length of cleaning cycles | 1 cycle<br>- Floor / walls : 3h |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | Tracks |
| Transmission | Gear transmission |
| Brushes | Yes |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 36 |

## TECHNICAL SPECIFICATIONS

| | |
| --- | --- |
| Number of motors | 2 |
| Control box supply | 100-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 100 W |
| Cable length | 16,5m |
| Cleaner size (L x W x h) | 37 x 29 x 30 cm |
| Packaging size (L x W x h) | 56 x 37 x 38 cm |
| Cleaner weight | 5,5 kg |
| Packaging weight | 11 kg |
| Filtering surface and level | 480 cm² / 100µ |
| Filtering capacity | 3 L |
| Inlet suction size | 17 cm |

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Fine filter canister 100µ | Large debris filter canister 200µ | Trolley | Special tile brush (unit) |
| --- | --- | --- | --- | --- | --- |
| Reference | R0763100 | R0762900 | R0763000 | R0767600 | R0774900 |

*For optimal cleaner behavior in some tile pools, it might be necessary to use the specific tile brush accessory.

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# ELECTRIC CLEANERS

## > CYCLONX™ PRO
### The essentials of Zodiac® technology

**PUSH'N'GO™**

**Push'n'Go™ system**
(easy access to the filter)

**Filter basket**
and large capacity (3.7 L)

**Tracks**

**Filter basket**
and large capacity (3.7 L)

**Multiple cleaning areas**
(floor, walls, water line)

**Control unit**

**Transport cart**
(supplied with the cleaner
or as an accessory)

## COMPARATIVE TABLE OF RANGES

TECHNICAL SPECIFICATIONS

| | | RC 4380 | RC 4400 | RC 4402 |
|---|---|---|---|---|
| **Types of pools** | Surfaces | Liner, reinforced PVC, painted concrete — Polyester hull & tiles with dedicated brushes | Liner, reinforced PVC, painted concrete — Polyester hull & tiles with dedicated brushes | Polyester hull and tile (slippery pools) |
| | Shapes | Rectangular, oval, free shape | Rectangular, oval, free shape | Rectangular, oval, free shape |
| | Size | 10 x 5 m (15m cable) | 12 x 6 m (18m cable) | 12 x 6 m (18m cable) |
| **Performance** | Traction | Tracks | Tracks | Tracks |
| | Cleaning areas | Floor / walls / waterline | Floor / walls / waterline | Floor / walls / waterline |
| | Filtering level | 100µ | 100µ | 100µ |
| | Filter capacity | 3,7L | 3,7L | 3,7L |
| | Swivel | - | - | - |
| | Sensor Nav System™ | - | - | - |
| | Remote control | - | - | - |
| | Contact + brushes | - | - | - |
| **Cycles** | Number of cycles | 2 | 6 | 6 |
| | Cleaning cycles | Floor / walls / water line — Floor only | Floor / walls / water line — Floor only | Floor / walls / water line — Floor only |
| | Manual cleaning time adjustment | - | ✓ | ✓ |
| **Ease of use** | iAqualink app control | - | - | - |
| | Lift System | - | - | - |
| | 7-day timer | - | - | - |
| | Full filter indicator | - | ✓ | ✓ |
| | Transparent window | ✓ | ✓ | ✓ |
| | Type of filter | Rigid Filter canister with top access | Rigid Filter canister with top access | Rigid Filter canister with top access |
| | Trolley | - | ✓ | ✓ |
| | Warranty | 2 years | 2 years | 2 years |

# RC 4380 CYCLONX™ PRO

Pool Cleaners **>** Electrics **>** RC 4380 CYCLONX™ PRO

**2** YEAR
**WARRANTY**

## CONCENTRATED TECHNOLOGY

+ Optimal cleaning for the floor/walls/water line
+ Large suction capacity
+ Filter access at the push of a button

PUSH'N'GO

## PRODUCT REFERENCE

WR000240

## ACCESSORIES INCLUDED IN THE PACK

| Control box | Fine Filter canister 100µ | Control box base |
|---|---|---|

## FOR WHICH TYPE OF POOLS?

| | |
|---|---|
| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 10 x 5 m |
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope, diamond shape |
| Pool surfaces | Liner, reinforced PVC, painted concrete , polyester hull, Tiles : dedicated brushes kit |

## DESCRIPTION

| | |
|---|---|
| Cleaning areas | Floor / walls / waterline |
| Number / Length of cleaning cycles | 2 cycles : <br> - Floor «Deep Clean» : 1h30 <br> - Floor / walls / waterline : 1h30 |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | Tracks |
| Transmission | Gear transmission |
| Brushes | Yes |
| Lift System | no |
| Transparent window | Yes |
| Full filter indicator | No |
| Remote control | No |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 20 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Number of motors | 2 |
| Control box supply | 200-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 150 W |
| Cable length / Hose length | 15 m |
| Cleaner size (L x W x h) | 41 x 42 x 28 cm |
| Packaging size (L x W x h) | 56 x 56 x 38 cm |
| Cleaner weight | 9 kg |
| Packaging weight | 17,1 kg |
| Filtering surface and level | 850 cm² / 100µ |
| Filtering capacity | 3,7 L |
| Inlet suction size / Cleaned width | 22 cm |

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Large debris filter canister 200µ | Fine filter canister 100µ | Protective cover | Trolley | Kit for polyester hull pools (2 brushes) | Kit for slippery surfaces (2 brushes) |
|---|---|---|---|---|---|---|---|
| Reference | R0632602 | R0632601 | R0632600 | R0568100 | R0639500 | R0697600 | R0718600 |

# RC 4400 CYCLONX™ PRO

Pool Cleaners **>** Electrics **>** RC 4400 CYCLONX™ PRO

**2** YEAR
WARRANTY

## CONCENTRATED TECHNOLOGY

+ Optimal cleaning for the floor/walls/water line
+ Large suction capacity
+ Filter access at the push of a button

PUSH'N'GO

## PRODUCT REFERENCE

WR000021

## ACCESSORIES INCLUDED IN THE PACK

| Trolley | Control box | Fine Filter canister 100µ |
|---|---|---|

## FOR WHICH TYPE OF POOLS?

| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m |
|---|---|
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope, diamond shape |
| Pool surfaces | Liner, reinforced PVC, painted concrete , polyester hull, Tiles : dedicated brushes kit |

## DESCRIPTION

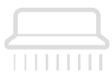| Cleaning areas | Floor / walls / waterline |
|---|---|
| Number / Length of cleaning cycles | 6 cycles :<br>- Floor «Deep Clean» : 1h, 1h30, 2h<br>- Floor / walls / waterline : 1h, 1h30, 2h |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | Tracks |
| Transmission | Gear transmission |
| Brushes | Yes |
| Lift System | no |
| Transparent window | Yes |
| Full filter indicator | Yes |
| Remote control | No |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 16 |

## TECHNICAL SPECIFICATIONS

| Number of motors | 2 |
|---|---|
| Control box supply | 200-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 150 W |
| Cable length | 18m |
| Cleaner size (L x W x h) | 41 x 42 x 28 cm |
| Packaging size (L x W x h) | 56 x 56 x 46 cm |
| Cleaner weight | 9,5 kg |
| Packaging weight | 19,1  kg |
| Filtering surface and level | 850 cm² / 100µ |
| Filtering capacity | 3,7 L |
| Inlet suction size | 22 cm |

Spare parts p.200

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Large debris filter canister 200µ | Fine filter canister 100µ | Protective cover | Kit for polyester hull pools (2 brushes) | Kit for slippery surfaces (2 brushes) |
|---|---|---|---|---|---|---|
| Reference | R0632602 | R0632601 | R0632600 | R0568100 | R0697600 | R0718600 |

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# RC 4401 CYCLONX™ PRO

Pool Cleaners **>** Electrics **>** RC 4401 CYCLONX™ PRO

**CONCENTRATED TECHNOLOGY**

**Adapted for polyester hull**
+ Optimal cleaning for the floor/walls/water line
+ Large suction capacity
+ Filter access at the push of a button

**PUSH'N'GO**

**2 YEAR WARRANTY**

Within the limits of remaining stocks

## PRODUCT REFERENCE

WR000040

## ACCESSORIES INCLUDED IN THE PACK

| Trolley | Control box | Fine Filter canister 100µ |
|---------|-------------|---------------------------|

## FOR WHICH TYPE OF POOLS?

| | |
|---|---|
| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m |
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope, diamond shape |
| Pool surfaces | Polyester hull pools |

## DESCRIPTION

| | |
|---|---|
| Cleaning areas | Floor / walls / waterline |
| Number / Length of cleaning cycles | 6 cycles :<br>- Floor «Deep Clean» : 1h, 1h30, 2h<br>- Floor / walls / waterline : 1h, 1h30, 2h |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | Tracks |
| Transmission | Gear transmission |
| Brushes | Yes |
| Lift System | no |
| Transparent window | Yes |
| Full filter indicator | Yes |
| Remote control | No |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 16 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Number of motors | 2 |
| Control box supply | 200-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 150 W |
| Cable length | 18m |
| Cleaner size (L x W x h) | 41 x 42 x 28 cm |
| Packaging size (L x W x h) | 56 x 56 x 46 cm |
| Cleaner weight | 9,5 kg |
| Packaging weight | 19,1 kg |
| Filtering surface and level | 850 cm² / 100µ |
| Filtering capacity | 3,7 L |
| Inlet suction size | 22 cm |

**SPARE PARTS** Spare parts p.200

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Large debris filter canister 200µ | Fine filter canister 100µ | Protective cover |
|---|---|---|---|---|
| Reference | R0632602 | R0632601 | R0632600 | R0568100 |

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# RC 4402 CYCLONX™ PRO

Pool Cleaners > Electrics > RC 4402 CYCLONX™ PRO

**2 YEAR WARRANTY**

## CONCENTRATED TECHNOLOGY

**Adapted for pools with slippery surfaces (polyester hull, tile)**
+ Optimal cleaning for the floor/walls/water line
+ Large suction capacity
+ Filter access at the push of a button

**PUSH'N'GO**

## PRODUCT REFERENCE

WR000239

## ACCESSORIES INCLUDED IN THE PACK

| Trolley | Control box | Fine Filter canister 100µ |
|---------|-------------|---------------------------|

## FOR WHICH TYPE OF POOLS?

| | |
|---|---|
| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m |
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope, diamond shape |
| Pool surfaces | Slippery surfaces (polyester hull, tile) |

## DESCRIPTION

| | |
|---|---|
| Cleaning areas | Floor / walls / waterline |
| Number / Length of cleaning cycles | 6 cycles : <br> - Floor «Deep Clean» : 1h, 1h30, 2h <br> - Floor / walls / waterline : 1h, 1h30, 2h |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | Tracks |
| Transmission | Gear transmission |
| Brushes | Yes |
| Lift System | no |
| Transparent window | Yes |
| Full filter indicator | Yes |
| Remote control | No |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 16 |

## TECHNICAL SPECIFICATIONS

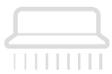| | |
|---|---|
| Number of motors | 2 |
| Control box supply | 200-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 150 W |
| Cable length / Hose length | 18m |
| Cleaner size (L x W x h) | 41 x 42 x 28 cm |
| Packaging size (L x W x h) | 56 x 56 x 46 cm |
| Cleaner weight | 9,5 kg |
| Packaging weight | 19,1 kg |
| Filtering surface and level | 850 cm² / 100µ |
| Filtering capacity | 3,7 L |
| Inlet suction size / Cleaned width | 22 cm |

**SPARE PARTS** Spare parts p.200

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Large debris filter canister 200µ | Fine filter canister 100µ | Protective cover |
|---|---|---|---|---|
| Reference | R0632602 | R0632601 | R0632600 | R0568100 |

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# > VORTEX™ 4WD RANGE
## Ultimate power

## COMMON FEATURES OF THE PRO RANGE

**3 filtration levels** available

**Handle** positioned in front of the cleaner and water discharged at the rear
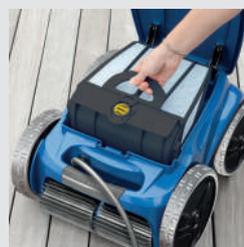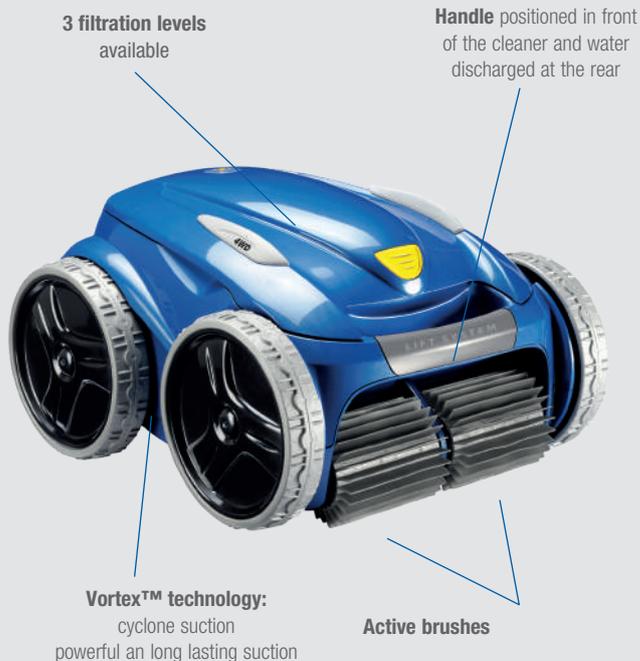


**Filter basket** with easy access and large capacity (5 L)



**Patented Lift System***



**Vortex™ technology:** cyclone suction powerful an long lasting suction

**Active brushes**
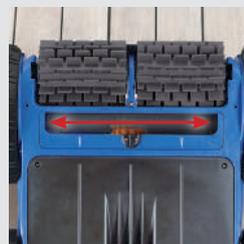


Extra-wide **suction inlet**



**Filter full indicator**

*depending on model

## COMPARATIVE TABLE OF RANGES
### TECHNICAL SPECIFICATIONS

| | | RV 5300 | RV 5380 | RV 5600 |
|---|---|---|---|---|
| **Types of pools** | Surfaces | Liner, polyester hull, reinforced PVC, painted concrete, tiles | Liner, polyester hull, reinforced PVC, painted concrete, tiles | Liner, polyester hull, reinforced PVC, painted concrete, tiles |
| | Shapes | Rectangular, oval, free shape | Rectangular, oval, free shape | Rectangular, oval, free shape |
| | Size | 12 x 6 m (18m cable) | 12 x 6 m (18m cable) | 20 x 10 m (25m cable) |
| **Performance** | Traction | 4 WD | 4 WD | |
| | Cleaning areas | Floor / walls / waterline | Floor / walls / waterline | Floor / walls / waterline |
| | Filtering level | 100µ | 100µ | 100µ |
| | Filter capacity | 5L | 5L | 5L |
| | Swivel | - | ✓ | ✓ |
| | Sensor Nav System™ | - | - | - |
| | Remote control | - | - | ✓ |
| | Contact + brushes | ✓ | ✓ | ✓ |
| **Cycles** | Number of cycles | 2 | 2 | Multiple |
| | Cleaning cycles | Floor / Walls / Waterline Floor only | Floor / Walls / Waterline Floor only | Floor / Walls / Waterline Floor only Waterline only |
| | Manual cleaning time adjustment | - | - | ✓ |
| **Ease of use** | iAqualink™ app control | - | - | - |
| | Lift System | - | ✓ | ✓ |
| | 7-day timer | - | - | ✓ |
| | Full filter indicator | ✓ | ✓ | ✓ |
| | Transparent window | - | - | - |
| | Type of filter | Rigid Filter canister with top access | Rigid Filter canister with top access | Rigid Filter canister with top access |
| | Trolley | ✓ | ✓ | ✓ |
| | Warranty | 3 years | 3 years | 3 years |
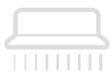
# RV 5300 VORTEX™ PRO 4WD

Pool Cleaners **>** Electrics **>** RV 5300 VORTEX™ PRO 4WD

**3 YEAR WARRANTY**

## ULTIMATE POWER IN 4X4

+ Ultra-powerful & long lasting suction
+ All-terrain cleaner
+ Extra large suction capacity

PATENTED CYCLONE SUCTION

## PRODUCT REFERENCE

WR000161

## ACCESSORIES INCLUDED IN THE PACK

| Trolley | Control box | Fine Filter canister 100µ | Contact + Brushes |
|---|---|---|---|

## FOR WHICH TYPE OF POOLS?

| | |
|---|---|
| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m |
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope, diamond shape |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| | |
|---|---|
| Cleaning areas | Floor / walls / waterline |
| Number / Length of cleaning cycles | 2 cycles :<br>- Floor only : 1h30<br>- Floor / walls / waterline : 2h30 |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | 4 wheel drive |
| Transmission | Gear transmission |
| Brushes | Yes ( Contact + Brushes) |
| Lift System | No |
| Full filter indicator | Yes |
| Remote control | No |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 16 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Number of motors | 3 |
| Control box supply | 200-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 150 W |
| Cable length | 18m |
| Cleaner size (L x W x h) | 43 x 48 x 27 cm |
| Packaging size (L x W x h) | 56 x 56 x 46 cm |
| Cleaner weight | 9,5 kg |
| Packaging weight | 21 kg |
| Filtering surface and level | 1180 cm² / 100µ |
| Filtering capacity | 5 L |
| Inlet suction size | 24,5 cm |

**SPARE PARTS** Spare parts p.204

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Fine filter canister 100µ | Large debris filter canister 200µ | Protective cover |
|---|---|---|---|---|
| Reference | R0638600 | R0636600 | R0643700 | R0568100 |

# RV 5380 VORTEX™ PRO 4WD

**3 YEAR WARRANTY**

## ULTIMATE POWER IN 4X4

+ Ultra-powerful & long lasting suction
+ All-terrain cleaner
+ Effortless removal from the water
+ Extra large suction capacity

NEW FOR **2020**  PATENTED CYCLONE SUCTION  PATENTED LIFT SYSTEM®  SWIVEL

## PRODUCT REFERENCE

WR000225

## ACCESSORIES INCLUDED IN THE PACK

| Trolley | Control box | Fine Filter canister 100µ | Contact + Brushes | Swivel |
|---------|-------------|---------------------------|-------------------|--------|

## FOR WHICH TYPE OF POOLS?

| | |
|---|---|
| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m |
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope, diamond shape |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| | |
|---|---|
| Cleaning areas | Floor / walls / waterline |
| Number / Length of cleaning cycles | 2 cycles : <br> - Floor only : 1h30 <br> - Floor / walls / waterline : 2h30 |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | 4 wheel drive |
| Transmission | Gear transmission |
| Brushes | Yes ( Contact + Brushes) |
| Lift System | Yes |
| Full filter indicator | Yes |
| Remote control | No |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 16 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Number of motors | 3 |
| Control box supply | 200-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 150 W |
| Cable length / Hose length | 18m with Swivel |
| Cleaner size (L x W x h) | 43 x 48 x 27 cm |
| Packaging size (L x W x h) | 56 x 56 x 46 cm |
| Cleaner weight | 9,5 kg |
| Packaging weight | 21  kg |
| Filtering surface and level | 1180 cm² / 100µ |
| Filtering capacity | 5 L |
| Inlet suction size / Cleaned width | 24,5 cm |

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Fine filter canister 100µ | Large debris filter canister 200µ | Protective cover |
|---|---|---|---|---|
| Reference | R0638600 | R0636600 | R0643700 | R0568100 |

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# RV 5600 VORTEX™ PRO 4WD

Pool Cleaners **>** Electrics **>** RV 5600 VORTEX™ PRO 4WD

**3** YEAR **WARRANTY**

**ULTIMATE POWER IN 4X4**

+ Ultra-powerful & long lasting suction
+ All-terrain cleaner
+ Effortless removal from the water
+ Extra large suction capacity

PATENTED CYCLONE SUCTION    PATENTED LIFT SYSTEM®    SWIVEL

## PRODUCT REFERENCE

WR000064

## ACCESSORIES INCLUDED IN THE PACK

| Trolley | Control box | Fine Filter canister 100µ | Contact + Brushes | Kinetic remote control | Swivel |
|---------|-------------|---------------------------|-------------------|------------------------|--------|

## FOR WHICH TYPE OF POOLS?

| | |
|---|---|
| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 20 x 10 m |
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope, diamond shape |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

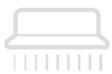| | |
|---|---|
| Cleaning areas | Floor / walls / waterline |
| Number / Length of cleaning cycles | Multiple from 0h30 to 3h30 - Floor only - Floor / walls / waterline - Waterline only |
| Integrated programming clock | 7-days |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | 4 wheel drive |
| Transmission | Gear transmission |
| Brushes | Yes ( Contact + Brushes) |
| Lift System | Yes |
| Full filter indicator | Yes |
| Remote control | Yes |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 16 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Number of motors | 3 |
| Control box supply | 200-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 150 W |
| Cable length | 25m with Swivel |
| Cleaner size (L x W x h) | 43 x 48 x 27 cm |
| Packaging size (L x W x h) | 56 x 56 x 46 cm |
| Cleaner weight | 9,5 kg |
| Packaging weight | 22,5 kg |
| Filtering surface and level | 1180 cm² / 100µ |
| Filtering capacity | 5 L |
| Inlet suction size | 24,5 cm |

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Fine filter canister 100µ | Large debris filter canister 200µ | Protective cover |
|---|---|---|---|---|
| Reference | R0638600 | R0636600 | R0643700 | R0568100 |

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## > ALPHA iQ™ PRO
### ULTRA-EFFICIENCY COMBINED WITH INTELLIGENCE

RA 6700 iQ model

PATENTED CYCLONE SUCTION

Clear window over canister

Filter's access

Active brushing

Lift System
Lighter when removing from water

Very fine filtration 60μ

Large suction capacity

4-Wheel Drive

**SensorNavSystem**™

• Smart cycle: calculates the optimal cleaning time for each pool

• Pressure sensor: provides superior wall climbing and waterline cleaning

• Water Temperature Sensor

**iAquaLink**™ CONTROL

Wi-Fi Control through iAquaLink™ App
• Remote control mode
• 7 days timer
• Lift System
• Choice, start, stop and monitor the cycles
• Smart cleaning mode
• Display of water temperature

## 4 YEARS
### WARRANTY
3 years + 1 additional year if the robot is paired with the iAqualink™ application*
*See conditions in the warranty guide

# ELECTRIC CLEANERS

## > ALPHA iQ™ PRO
### ULTRA-EFFICIENCY COMBINED WITH INTELLIGENCE



**Personalised cleaning Sensor Nav Sytem™**

**Patented Cyclone suction**

**Lift System: Easy-to-use and lighter removal from the water**

**Intuitive Wi-Fi connected control**

## COMPARATIVE TABLE OF RANGES

| | | RA 6300 iQ | RA 6500 iQ | RA 6700 iQ |
|---|---|---|---|---|
| **Types of pools** | Surfaces | Liner, polyester hull, reinforced PVC, painted concrete, tiles | Liner, polyester hull, reinforced PVC, painted concrete, tiles | Liner, polyester hull, reinforced PVC, painted concrete, tiles |
| | Shapes | Rectangular, oval, free shape | Rectangular, oval, free shape | Rectangular, oval, free shape |
| | Size | 12 x 6 m (18m cable) | 12 x 6 m (18m cable) | 15 x 7 m (21m cable) |
| **Performance** | Traction | 4 WD | 4 WD | 4 WD |
| | Cleaning areas | Floor / walls / waterline | Floor / walls / waterline | Floor / walls / waterline |
| | Filtering level | 60μ | 60μ | 60μ |
| | Filter capacity | 5L | 5L | 5L |
| | Swivel | ✓ | ✓ | ✓ |
| | Sensor Nav System™ | ✓ | ✓ | ✓ |
| | Remote control | - | in app | in app |
| | Pressure sensor | - | ✓ | ✓ |
| | Contact + brushes | ✓ | ✓ | ✓ |
| **Cycles** | Number of cycles | 2 | Multiple | Multiple |
| | Cleaning cycles | Quick - Floor only Smart - Floor / Walls / Waterline | Quick - Floor only Smart - Floor / Walls / Waterline Ultra - Floor / Walls /Waterline | Quick :  Floor only Smart : Floor / Walls / Waterline Ultra : Floor / Walls /Waterline Waterline only |
| | Manual cleaning time adjustment | - | ✓ | ✓ |
| **Ease of use** | iAqualink™ app control | ✓ | ✓ | ✓ |
| | Lift System | ✓ | ✓ | ✓ |
| | 7-day timer | - | in app | in app |
| | Full filter indicator | ✓ | ✓ | ✓ |
| | Transparent window | ✓ | ✓ | ✓ |
| | Type of filter | Rigid Filter canister with top access | Rigid Filter canister with top access | Rigid Filter canister with top access |
| | Trolley | ✓ | ✓ | ✓ |
| **Advanced app features** | Water temperature display | - | - | in app |
| | Spot cleaning mode | - | - | in app |
| | Warranty | 4 years* | 4 years* | 4 years* |

* 3 years + 1 year if the cleaner is paired to iAqualink™

# RA 6300 iQ ALPHA iQ™ PRO

Pool Cleaners > Electrics > RA 6300 iQ ALPHA iQ™ PRO

**4** YEAR
WARRANTY*

## ULTRA-EFFICIENCY COMBINED WITH INTELLIGENCE

+ Sensor Nav Sytem™: intelligent and personalised cleaning
+ Ultra-powerful & long lasting suction
+ Effortless removal from water
+ Wi-fi connected : intuitive interface and advanced functionalities in app from everywhere

Sensor Nav System™    PATENTED CYCLONE SUCTION    PATENTED LIFT SYSTEM®    SWIVEL    iAquaLink CONTROL

## PRODUCT REFERENCE

WR000199

## ACCESSORIES INCLUDED IN THE PACK

| Trolley | Control box | Ultra-Fine Filter canister 60µ | Contact + Brushes | Swivel | Free app |
|---------|-------------|-------------------------------|-------------------|--------|----------|

## FOR WHICH TYPE OF POOLS?

| | |
|---|---|
| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m |
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope, diamond shape |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| | |
|---|---|
| Cleaning areas | Floor / walls / waterline |
| Number / Length of cleaning cycles | 2 cycles<br>- Quick: floor only 1h15<br>- Smart: floor/ walls / waterline (calculated time) |
| Timer | No |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | 4 wheel drive |
| Transmission | Gear transmission |
| Pressure sensor | No |
| Brushes | Yes ( Contact + Brushes) |
| Lift System | Yes |
| Transparent window | Yes |
| Full filter indicator | Yes |
| Remote control | No |
| Water temperature measurement | No |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 16 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Number of motors | 3 |
| Control box supply | 200-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 150 W |
| Cable length / Hose length | 18m with Swivel |
| Cleaner size (L x W x h) | 43 x 48 x 27 cm |
| Packaging size (L x W x h) | 56 x 56 x 46 cm |
| Cleaner weight | 10 kg |
| Packaging weight | 21 kg |
| Filtering surface and level | 1180 cm² / 60µ |
| Filtering capacity | 5 L |
| Inlet suction size / Cleaned width | 24,5 cm |

SPARE PARTS   **Spare parts p.210**

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Fine filter canister 100µ | Large debris filter canister 200µ | Protective cover |
|---|---|---|---|---|
| Reference | R0863500 | R0863600 | R0863700 | R0568100 |

* 3 years + 1 year if the cleaner is paired to iAqualink™

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# RA 6500 iQ ALPHA iQ™ PRO

Pool Cleaners > Electrics > RA 6500 iQ ALPHA iQ™ PRO

## ULTRA-EFFICIENCY COMBINED WITH INTELLIGENCE

+ **Sensor Nav Sytem™:** intelligent and personalised cleaning
+ **Ultra-powerful & long lasting suction**
+ **Effortless removal from water**
+ **Wi-fi connected :** intuitive interface and advanced functionalities in app from everywhere

Sensor Nav System™ · PATENTED CYCLONE SUCTION · PATENTED LIFT SYSTEM® · SWIVEL · iAquaLink CONTROL

**4 YEAR WARRANTY\***

## PRODUCT REFERENCE

WR000198

## ACCESSORIES INCLUDED IN THE PACK

| Trolley | Control box | Ultra-Fine Filter canister 60µ | Contact + Brushes | Swivel | Free app |
|---|---|---|---|---|---|

## FOR WHICH TYPE OF POOLS?

| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m |
|---|---|
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope, diamond shape |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| Cleaning areas | Floor / walls / waterline |
|---|---|
| Number / Length of cleaning cycles | Multiple from 0h30 to 3h30 with preset cycles: - Quick: floor only 1h15 - Smart: floor/ walls / waterline (calculated time) - Ultra: floor / walls / waterline (2h45) |
| Timer | 7-days |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | 4 wheel drive |
| Transmission | Gear transmission |
| Pressure sensor | Yes |
| Brushes | Yes ( Contact + Brushes) |
| Lift System | Yes |
| Transparent window | Yes |
| Full filter indicator | Yes |
| Remote control | Remote control mode ( with app) |
| Water temperature measurement | No |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 16 |

## TECHNICAL SPECIFICATIONS

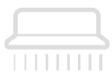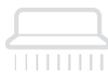| Number of motors | 3 |
|---|---|
| Control box supply | 200-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 150 W |
| Cable length / Hose length | 18m with Swivel |
| Cleaner size (L x W x h) | 43 x 48 x 27 cm |
| Packaging size (L x W x h) | 56 x 56 x 46 cm |
| Cleaner weight | 10 kg |
| Packaging weight | 21 kg |
| Filtering surface and level | 1180 cm² / 60µ |
| Filtering capacity | 5 L |
| Inlet suction size / Cleaned width | 24,5 cm |

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Fine filter canister 100µ | Large debris filter canister 200µ | Protective cover |
|---|---|---|---|---|
| Reference | R0863500 | R0863600 | R0863700 | R0568100 |

\* 3 years + 1 year if the cleaner is paired to iAqualink™

# RA 6700 iQ ALPHA iQ™ PRO

Pool Cleaners > Electrics > RA 6700 iQ ALPHA iQ™ PRO

**4** YEAR WARRANTY*

## ULTRA-EFFICIENCY COMBINED WITH INTELLIGENCE

+ Sensor Nav Sytem™:  intelligent and personalised cleaning
+ Ultra-powerful & long lasting suction
+ Effortless removal from water
+ Wi-fi connected : intuitive interface and advanced functionalities in app from everywhere

Sensor Nav System™  |  PATENTED CYCLONE SUCTION  |  PATENTED LIFT SYSTEM®  |  SWIVEL  |  iAquaLink CONTROL

## PRODUCT REFERENCE

WR000197

## ACCESSORIES INCLUDED IN THE PACK

| Trolley | Control box | Ultra-Fine Filter canister 60µ | Contact + Brushes | Swivel | Free app |
|---------|-------------|-------------------------------|-------------------|--------|----------|

## FOR WHICH TYPE OF POOLS?

| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 15 x 7 m |
|----------------|-----------------------------------------------------------------------------------|
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope, diamond shape |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| | |
|---|---|
| Cleaning areas | Floor / walls / waterline |
| Number / Length of cleaning cycles | Multiple from 0h30 to 3h30 with preset cycles: - Quick: floor only  1h15 - Smart: floor/ walls / waterline (calculated time) - Ultra: floor / walls / waterline (2h45) - Waterline only: 0h45 |
| Timer | 7-days |
| Power supply | Autonomous, connected to 230V mains supply before the transformer |
| Steering | Pre-programmed |
| Drive system | 4 wheel drive |
| Transmission | Gear transmission |
| Pressure sensor | Yes |
| Brushes | Yes ( Contact + Brushes) |
| Lift System | Yes |
| Transparent window | Yes |
| Full filter indicator | Yes |
| Remote control | Remote control mode ( with app) |
| Water temperature measurement | Yes (info in app) |
| Safety | Deck system, out of water safety, diagnostic, electronic motor protector |
| Filtration system / access | Rigid Filter canister with access over the cleaner |
| Units / pallet | 16 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Number of motors | 3 |
| Control box supply | 200-240 VAC ; 50 / 60 Hz |
| Power supply | 30 VDC |
| Operating power | 150 W |
| Cable length / Hose length | 21m with Swivel |
| Cleaner size (L x W x h) | 43 x 48 x 27 cm |
| Packaging size (L x W x h) | 56 x 56 x 46 cm |
| Cleaner weight | 10 kg |
| Packaging weight | 22,3 kg |
| Filtering surface and level | 1180 cm² / 60µ |
| Filtering capacity | 5 L |
| Inlet suction size / Cleaned width | 24,5 cm |

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | Ultra-fine filter canister 60µ | Fine filter canister 100µ | Large debris filter canister 200µ | Protective cover |
|-----------|-------------------------------|---------------------------|-----------------------------------|------------------|
| Reference | R0863500 | R0863600 | R0863700 | R0568100 |

\* 3 years + 1 year if the cleaner is paired to iAqualink™

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# DIAGNOSTIC TOOLS

## DIAG BOX

+ Simple system with display for off-line use (without a PC)
+ Possible out-of-water testing in off-line mode
+ Can be connected to a PC for full diagnostic check
+ Multiple light panel provided with colour coding for all products

### WHICH PRODUCTS?

All Vortex™ products (including Vortex™1) All Tornax™
All CyclonX™ products
Lazernaut NT, Cybernaut™ NT (2010 ONWARDS)

### TESTED ELEMENTS?

In off-line mode: box/motor block/cable/remote control

### PRODUCT REFERENCE

Product reference: R0685300

| Robot type | Elements to be tested | Type of cable to be connected | |
|---|---|---|---|
| CyclonX™ | Robot | GREY adapter | |
| | Control unit | BLUE adapter | |
| Vortex™ TornaX | Motor block | BROWN adapter | |
| | Robot | Robot floating cable | |
| | Control unit | GREEN adapter | |
| Vortex™ 1 | Robot | RED adapter | |
| Lazernaut, Cybernaut™ NT (>2010) | Robot (via robot control unit) | YELLOW adapter | |

## > HYDRAULIC ROBOT CLEANERS
### A simple and affordable solution

**COMPARATIVE TABLE OF RANGES**

| | Kontiki™ 2 | T3® | T5® Duo | MX6™ | MX9™ |
|---|---|---|---|---|---|
| Pool Dimension max. | 8 x 4 m | 9 x 5 m | 12 x 6 m | 10 x 5 m | 12 x 6 m |
| Number of pipes 1 m - Twist Lock pipe | 8 | 10 | 12 | 10 | 12 |
| Motion | Diaphragm | Diaphragm | Diaphragm | Mechanical | Mechanical |
| Suction | - | - | - | 1 turbine | 2 turbines with brushes |
| **Pool floors** | | | | | |
| Rectangular | • | • | • | • | • |
| Oval | • | • | • | • | • |
| Round | | • | • | • | • |
| Free shape | | | • | • | • |
| Floor only | • | • | | | |
| Floor and walls | | | • | • | • |
| Flat | • | • | • | • | • |
| Gentle slope | • | • | • | • | • |
| Composit slope | | | • | • | • |
| Diamond shape | | | | | • |
| Minimum power required from the filtration pump | 1/2 HP | 1/2 HP | 3/4HP | 3/4 HP* | 3/4 HP* |
| Warranty | 2 years | 2 years | 2 years | 2 years | 2 years |

\* 1 HP needed for tile pools

**STANDARD INSTALLATION**

• The suction cleaner is connected directly to the vacuum point or skimmer. No electrical connection required.

• The ideal hose length for the pool equals the greatest distance that the cleaner can cover in the pool from the connection point (skimmer) to the farthest corner of the pool, plus a 1 metre section.

• For optimal installation, perform a flow test and adjust the flow rate using an adjusting valve.

Hose length
=
distance between the connection point and the most distant part of the pool +1m
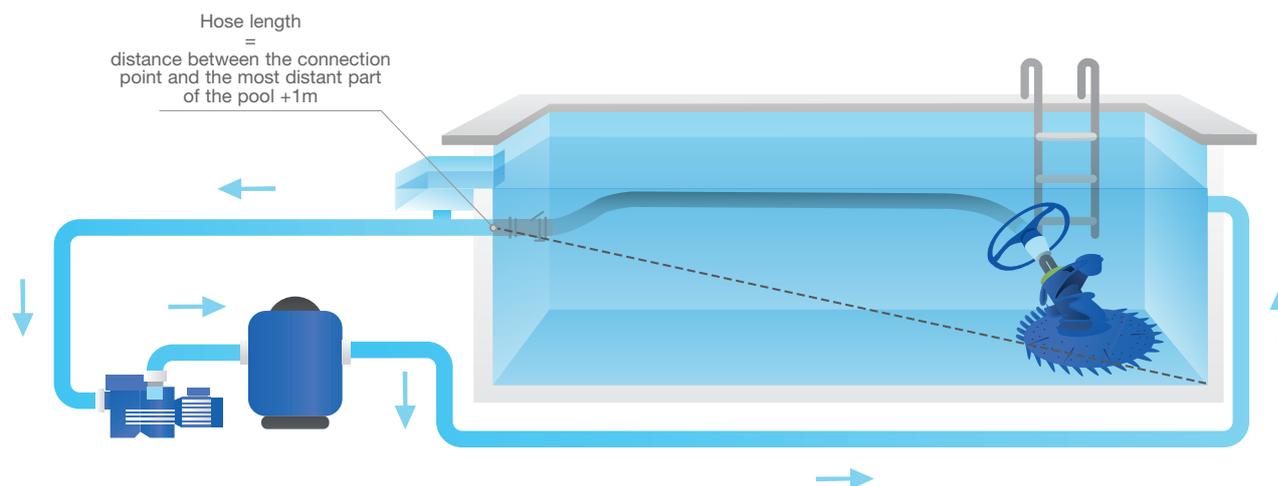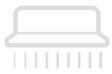
# KONTIKI™ 2

Pool Cleaners > Hydraulics > KONTIKI™ 2

+ Diaphragm: membrane technology
+ Finned disc: optimum mobility of the cleaner

**2 YEAR WARRANTY**

ABOVE GROUND POOLS

## PRODUCT REFERENCE

W70478

## ACCESSORIES INCLUDED IN THE PACK

| Adaptors (x2) | Hose deflectors (x2) |
|---|---|

## FOR WHICH TYPE OF POOLS?

| | |
|---|---|
| Types of pools | Private above-ground pools with rigid walls, maximum 8 x 4 m |
| Pool shapes | Rectangular, oval |
| All Floors | Flat, gentle slope |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| | |
|---|---|
| Cleaning areas | Floor |
| Cleaning cycles | Recomended 6h filtering in three 2h sessions |
| Power supply | Filtering group |
| Steering | Random |
| Installation | Suction line or skimmer |
| Motion | Diaphragm |
| Types of debris handled | Fine and medium |
| Units / pallet | 24 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Hose length | 8 sections of 1 m |
| Cleaner size (L x W x h) | 48 x 20 x 40 cm |
| Packaging size (L x W x h) | 101 × 31,5 × 33 cm |
| Cleaner weight | 1,3 kg |
| Packaging weight | 5,5 kg |
| Filtering capacity | Pool filtering circuit |
| Cleaned width | 40 cm |
| Displacement speed | 6 m/min |
| Minimum required filter pump power | 1/2 HP |

Spare parts p.228

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | 6 sections of 1 m | Flow gauge |
|---|---|---|
| Reference | W69100 | W70335P |

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# T3®

**2 YEAR WARRANTY**

+ DiaCyclone Diaphragm: even more powerful suction
+ Finned disc: optimum mobility of the cleaner

**ALL TYPE OF LININGS**

## PRODUCT REFERENCE

W70674

## ACCESSORIES INCLUDED IN THE PACK

| Twist Lock Hoses | Wheel deflector | Flow gauge | Flowkeeper valve (skimmer) |
|---|---|---|---|

## FOR WHICH TYPE OF POOLS?

| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 9 x 5 m |
|---|---|
| Pool shapes | Rectangular, oval |
| All Floors | Flat, gentle slope |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| | |
|---|---|
| Cleaning areas | Floor |
| Cleaning cycles | Recomended 6h filtering in three 2h sessions |
| Power supply | Filtering group |
| Steering | Random |
| Installation | Suction line or skimmer |
| Motion | Diacyclone Diaphragm |
| Types of debris handled | Fine and medium |
| Units / pallet | 27 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Hose length | 10 sections of 1 m |
| Cleaner size (L x W x h) | 41 x 36 x 28 cm |
| Packaging size (L x W x h) | 102,8 x 41,5 x 22,4 cm |
| Cleaner weight | 1,2 kg |
| Packaging weight | 6,8 kg |
| Filtering capacity | Pool filtering circuit |
| Cleaned width | 30 cm |
| Displacement speed | 6,5 m/min |
| Minimum required filter pump power | 1/2 HP |

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | 6 section of 1m Twist Lock hoses |
|---|---|
| Reference | W78055 |

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# T5®Duo

Pool Cleaners > Hydraulics > T5®Duo

+ DiaCyclone Diaphragm: even more powerful suction
+ Flexible Duo Traction Control disc in 2 parts: optimum grip

ALL TYPES OF SWIMMING POOLS

ALL TYPE OF LININGS

## PRODUCT REFERENCE

W78046

## ACCESSORIES INCLUDED IN THE PACK

| Twist Lock Hoses | Wheel deflector | Flow gauge | Flowkeeper valve (skimmer) |
|---|---|---|---|

## FOR WHICH TYPE OF POOLS?

| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m |
|---|---|
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| Cleaning areas | Floor and walls |
|---|---|
| Cleaning cycles | Recomended 6h filtering in three 2h sessions |
| Power supply | Filtering group |
| Steering | Random |
| Installation | Suction line or skimmer |
| Motion | Diacyclone Diaphragm |
| Types of debris handled | Fine and medium |
| Units / pallet | 24 |

## TECHNICAL SPECIFICATIONS

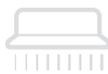| Hose length | 12 sections of 1 m |
|---|---|
| Cleaner size (L x W x h) | 44 x 43 x 22 cm |
| Packaging size (L x W x h) | 99 × 45,5 × 29,5 cm |
| Cleaner weight | 1,4 kg |
| Packaging weight | 8,4 kg |
| Filtering capacity | Pool filtering circuit |
| Cleaned width | 44 cm |
| Displacement speed | 6 m/min |
| Minimum required filter pump power | 3/4 HP |

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | 6 section of 1m Twist Lock hoses |
|---|---|
| Reference | W78055 |

# MX6™

**2 YEAR WARRANTY**

+ Pre-programmed X-Drive navigation system : methodical cleaning of all areas
+ Turbo aspiration: a powerful turbine and one peripheral propeller
+ Traction using notched tracks: for perfect stability and total movement
+ Equipped with a flow regulator valve: automatically controls excess flow through cleaner for best performance and longevity

**ALL TYPES OF SWIMMING POOLS**

## PRODUCT REFERENCE

W79102

## ACCESSORIES INCLUDED IN THE PACK

| Twist Lock Hoses | In-ground valve cuff | 45° Elbow extended | 45° Elbow | Flow Regulator Valve (cleaner) | Flowkeeper valve (skimmer) |
|---|---|---|---|---|---|

## FOR WHICH TYPE OF POOLS?

| | |
|---|---|
| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 10 x 5 m |
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| | |
|---|---|
| Cleaning areas | Floor and walls |
| Cleaning cycles | Recomended 6h filtering in three 2h sessions |
| Power supply | Filtering group |
| Steering | Random |
| Installation | Suction line or skimmer |
| Motion | Mechanical suction : turbine |
| Types of debris handled | Fine and medium |
| Units / pallet | 30 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Hose length | 10 sections of 1 m |
| Cleaner size (L x W x h) | 31 x 19 x 22 cm |
| Packaging size (L x W x h) | 102 x 23 x 37 cm |
| Cleaner weight | 2,5 kg |
| Packaging weight | 8,2 kg |
| Filtering capacity | Pool filtering circuit |
| Cleaned width | 25 cm |
| Displacement speed | 8 m/min |
| Minimum required filter pump power | 3/4 HP (1 HP forTile pools) |

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | 6 section of 1m Twist Lock hoses | Cyclonic™ Leaf Catcher |
|---|---|---|
| Reference | W78055 | W37110 |

# MX9™

Pool Cleaners > Hydraulics > MX9™

**2** YEAR WARRANTY

+ Pre-programmed X-Drive navigation system: methodical cleaning of all areas
+ Turbo aspiration: a powerful turbine and two peripheral propellers with brushes
+ Exclusive cleaning mode thanks to scrubbing brushes
+ Traction using notched tracks: for perfect stability and total movement
+ Twist Lock Hoses : easy and safe connection

ALL TYPES OF SWIMMING POOLS

## PRODUCT REFERENCE

WS000033

## ACCESSORIES INCLUDED IN THE PACK

| Cyclonic scrubbing brushes | Twist Lock Hoses | In-ground valve cuff | 45° Elbow extended | 45° Elbow | Flow Regulator Valve (cleaner) | Flowkeeper valve (skimmer) |
|---|---|---|---|---|---|---|

## FOR WHICH TYPE OF POOLS?

| | |
|---|---|
| Types of pools | Private in-ground pools and above-ground pools with rigid walls, maximum 12 x 6 m |
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| | |
|---|---|
| Cleaning areas | Floor and walls |
| Cleaning cycles | Recomended 6h filtering in three 2h sessions |
| Power supply | Filtering group |
| Steering | Random |
| Installation | Suction line or skimmer |
| Suction system | Mechanical suction : turbine |
| Types of debris handled | Fine and medium |
| Units / pallet | 30 |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Hose length | 12 sections of 1 m |
| Cleaner size (L x W x h) | 41 x 19 x 22 cm |
| Packaging size (L x W x h) | 102 x 23 x 37 cm |
| Cleaner weight | 3,2 kg |
| Packaging weight | 9,5 kg |
| Filtering capacity | Pool filtering circuit |
| Cleaned width | 36cm |
| Displacement speed | 8 m/min |
| Minimum required filter pump power | 3/4 HP (1 HP forTile pools) |

## OPTIONAL ACCESSORIES (NOT INCLUDED)

| | 6 section of 1m Twist Lock hoses | Cyclonic™ Leaf Catcher |
|---|---|---|
| Reference | W78055 | W37110 |

# Cyclonic™ Leaf Catcher

Pool Cleaners **>** Hydraulics **>** Cyclonic™ Leaf Catcher

+ Cyclone suction system: constant suction and dirt remains in suspension
+ no pressure on the pump
+ Large, transparent, easy-to-empty filter basket
+ Fits all hose types

**2** YEAR WARRANTY

## PRODUCT REFERENCE

W37110

## ACCESSORIES INCLUDED IN THE PACK

Standard hose and Twist Lock hose adaptors

## DESCRIPTION

| | |
|---|---|
| Installation | Suction line or skimmer |
| Types of debris handled | All debris |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Cleaner size (L x W x h) | 23 x 19 x 28 cm |
| Packaging size (L x W x h) | 24 x 20 x 29 cm |
| Cleaner weight | 1 kg |
| Packaging weight | 1,3 kg |
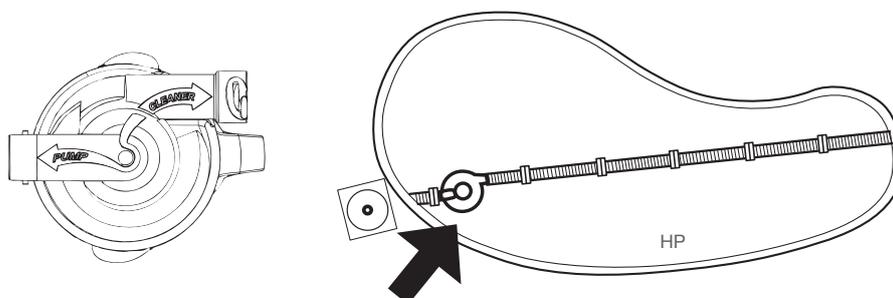
Install at the first hose connection closest to skimmer/or suction line.
Ensure correct orientation using guides (Pump/Cleaner) on Leaf Catcher lid.

# Spa Wand

Pool Cleaners > Hydraulics > Spa Wand
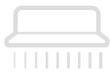
**2** YEAR WARRANTY

+ Targeted cleaning of small volumes : spa, steps…
+ Efficient and easy to use handheld brush and no connection required
+ Debris are collected in a separate stainless steel filter

ALL TYPES OF SWIMMING POOLS

ALL TYPE OF LININGS

## PRODUCT REFERENCE

W9320018

## ACCESSORIES INCLUDED IN THE PACK

| Steel filter | 2 sweeping nozzles | Wall bracket |
| --- | --- | --- |

## FOR WHICH TYPE OF POOLS?

| | |
| --- | --- |
| Types of pools | Private above ground and above-ground pools with rigid walls, spas, steps, overflow gutters, integrated filtering blocks |
| Pool shapes | Rectangular, oval, free shape |
| All Floors | Flat, gentle slope, composite slope |
| Pool surfaces | Tiles, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| | |
| --- | --- |
| Power supply | Manual brush |
| Installation | Suction line or skimmer |
| Types of debris handled | Dust, insects, gravel, leaves, … |

## TECHNICAL SPECIFICATIONS

| | |
| --- | --- |
| Cleaner size (L x W x h) | 7 x 7 x 144 cm |
| Packaging size (L x W x h) | 8 x 9 x 146 cm |
| Cleaner weight | 1,2 kg |
| Packaging weight | 1,7 kg |

SPARE PARTS **Spare parts p.236**
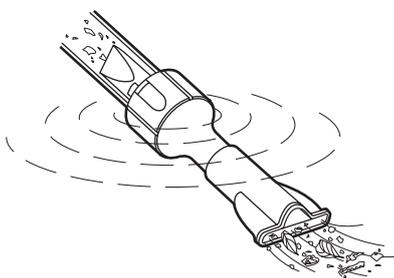
Wide sweeping nozzle: specially designed for surface floating debris or suspended debris.

Double function nozzle: specially designed for debris at the bottom and corners.

# Polaris ®

## > Polaris®

## The high pressure cleaner

The cleaner sucks in debris using a physical principle called **'Venturi effect'**, which is produced inside the machine and **converts the incoming water into a powerful suction current.**
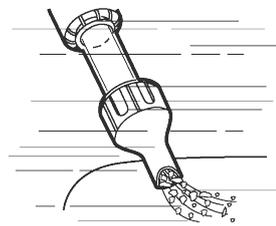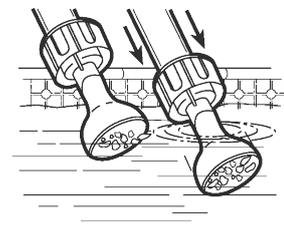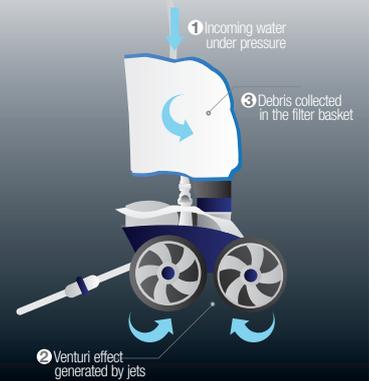
This characteristic provides maximum efficiency in the minimum time.

**1** Incoming water under pressure
**3** Debris collected in the filter basket
**2** Venturi effect generated by jets

## EQUIPMENT NEEDED

- The pipes of the vacuum point must be made of RIGID 16 bar PVC and not flexible material
- Booster, minimum 1 HP coupled to filtration

**For optimum operation, advise your customers to equip their pools with an electrical programming box and a Polaris® booster. This guarantees complete compatibility and ideal suction power.**

- Minimum operating pressure 1.8 bar

## STANDARD INSTALLATION

**1** Water is sucked by the pump through the skimmers and the floor drain.

**2** The water is sent to the filter to be cleaned.

**3** The water is returned clean to the swimming pool through the return discharges.

**4** A detour is created on this pipework to feed the booster.

**5** Polaris® pressure cleaners are connected to the vacuum point converted into return discharge.

**6** The Venturi effect generated by the jets converts the incoming water into a powerful suction current and enables the cleaner to move.

**7** The length of the pipe must be equal to the distance between the return pipe (5) and the furthest point (7).
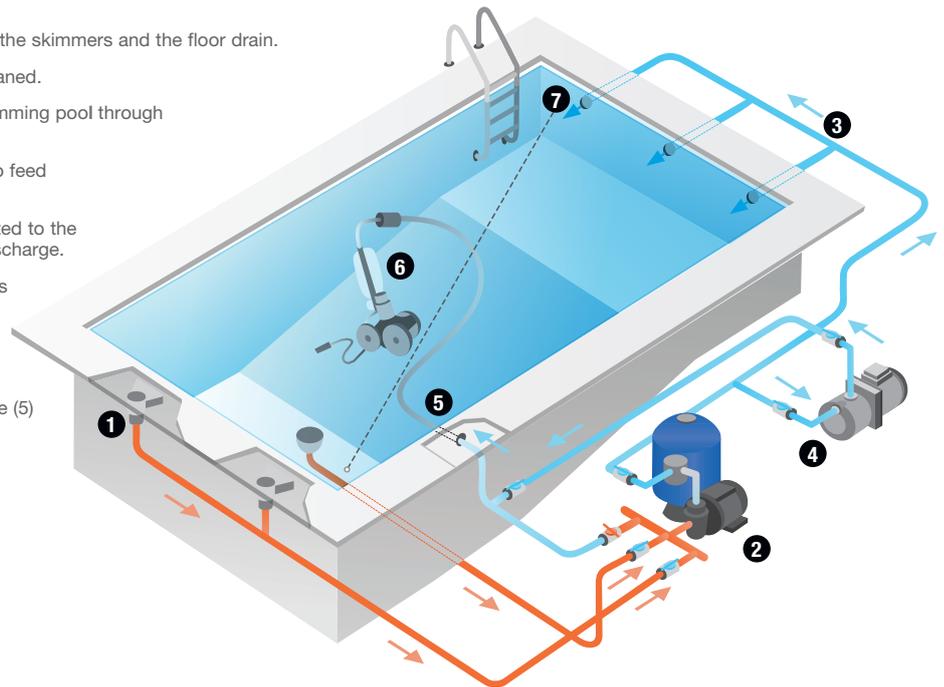
## INSTALLATION OF THE PIPE

**Main pipe** length = max depth

UFW
Inline filter
Central pivot

Floats for the main inlet pipe, spaced at 45 to 90 cm

Floats for the main section of the flexible inlet hose, spaced at 60 to 90 cm
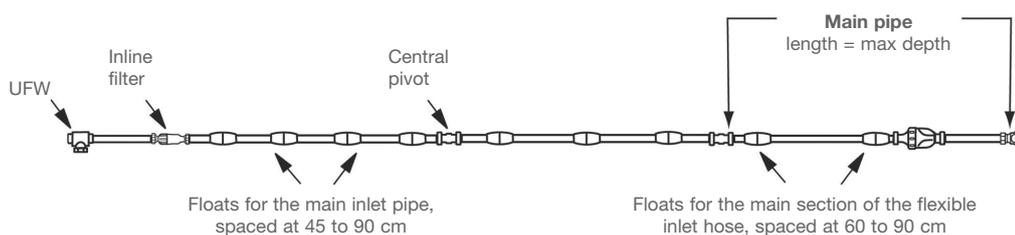
# Polaris QUATTRO™ SPORT

## > Debris doesn't stand a chance

**Large capacity and easy-clean debris canister**

Can easily be removed and cleaned without touching the debris with a simple jet of water.

**Double filtration**

Collects both large and fine debris.

**Active brushing**

Removes debris, even stuck-on debris.
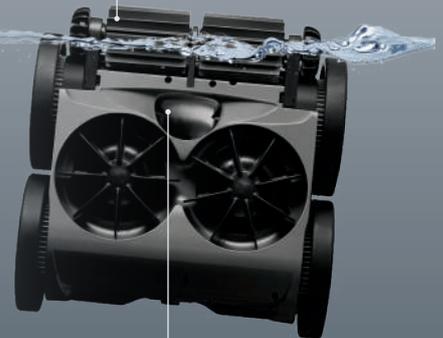
**Extra-large debris intake & superior vacuum power**

Easily sucks up all types of debris, even the largest.

**Monte aux parois**

Ses 4 roues motrices lui confèrent une grande agilité pour nettoyer le fond mais aussi les parois.

**Multi-directional navigation**

Delivers quick and efficient coverage of the entire pool.

**Powered with a booster bump**

# Polaris® QUATTRO™

Polaris® > Pressure cleaner > Polaris® QUATTRO™ Sport

+ 3 jets, ultra-powerful suction
+ Large debris intake
+ Multi-directional navigation
+ Dual-stage filtration

**2 YEAR WARRANTY**

**ALL TYPES OF SWIMMING POOLS**

## PRODUCT REFERENCE

WE000028

## ACCESSORIES INCLUDED IN THE PACK

Dual stage filter canister 3.5L

## FOR WHICH TYPE OF POOLS:

| | |
|---|---|
| Types of pool | Private in-ground pools |
| Pool shapes | All shapes |
| Bottoms | Flat bottom, gentle slope, composed slope, diving pit, diamond point |
| Surfaces | Tiles*, liner, polyester hull, reinforced PVC, painted concrete |

## DESCRIPTION

| | |
|---|---|
| System type | Pressure cleaner |
| Steering | Random and multi-directional |
| Power supply | Booster pump coupled to filtering |
| Suction | 3 jets Venturi system |
| Debris collection | Rigid dual canister / Access over the cleaner |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Required equipment* | 1 HP booster pump, 1.5 HP booster pump and greater ** |
| Operating pressure | 2,2 bars |
| Specific brush socket line | Fixed hose 16 bars |
| Speed | 16 m / min |
| Suction size | 7 cm |
| Hose length | 9,60 m |
| Weight | 6.8 kg |
| Units / pallet | 20 |

Spare pieces p.238

## ACCESSOIRES DISPONIBLES EN OPTION

| | All-purpose filter canister | Fine filter canister | PosiTrax tyre for tiled pool |
|---|---|---|---|
| Réf. Polaris | - | - | C14 |
| Réf. Zodiac | R0836300 | R0836400 | W7230256 |

* For perfect grip of your cleaner on tiles, replace the original tracks with Positrax tires sold as accessories
** For a technical room at a distance of more than 15 m. For a perfect use of your pressure cleaner, we recommend to use it with a 1.5 HP

# Polaris 280

Polaris > Pressure cleaner > Polaris® 280

+ 2 jets, ultra-powerful suction
+ Wide suction aperture
+ Automatic back-up valve, anti-jamming.

**2 YEAR WARRANTY**

**ALL TYPES OF SWIMMING POOLS**

## PRODUCT REFERENCE

W7220000

## ACCESSORIES INCLUDED IN THE PACK

| standard sand/silt bag | Back-up valve |
|---|---|

## FOR WHICH TYPE OF POOLS:

| Types of pool | Private in-ground pools |
|---|---|
| Pool shapes | All shapes |
| Bottoms | Flat bottom, gentle slope, composed slope, diving pit, diamond point |
| Surfaces | Liner |

## DESCRIPTION

| System type | Pressure cleaner |
|---|---|
| Steering | Random and automatic reverse |
| Power supply | Booster pump coupled to filtering |
| Suction | 2 jets Venturi system |
| Debris collection | Filter bag + sweep hose scrubber |

## TECHNICAL SPECIFICATIONS

| Required equipment* | 1 HP booster pump |
|---|---|
| Operating pressure | 2,2 bars |
| Specific brush socket line | Fixed hose 16 bars |
| Speed | 15 m / min |
| Suction size | 7 cm |
| Hose length | 9,60 m |
| Weight | 3,2 kg |
| Units / pallet | 36 |

SPARE PARTS **Spare pieces p.242**

## OPTIONAL ACCESSORIES ( NOT INCLUDED)

| | Disposable bags (EZ Bag) (packs of 6) | Standard silt bag | Leaf bag | Ultra fine bag |
|---|---|---|---|---|
| Ref. Polaris | K-52 | K-13 | K-15 | K-14 |
| Ref. Zodiac | W7230114 | W7230102 | W7230104 | W7230103 |

*Depending on the distance to the technical room

7389190370

# Polaris® 3900 SPORT

Polaris > Pressure cleaner > Polaris® 3900 Sport

+ 3 jets, ultra-powerful suction
+ 3 wheel drive fitted with wide tyres
+ Automatic back-up valve, anti-jamming
+ Stainless steel chain, highly reliable gear system.

**2 YEAR WARRANTY**

ALL TYPES OF SWIMMING POOLS

## PRODUCT REFERENCE

W7620000

## ACCESSORIES INCLUDED IN THE PACK

| Double capacity filter bag | Ultra-fine filter bag | Back-up valve | Tail Sweep Pro |
|---|---|---|---|

## FOR WHICH TYPE OF POOLS:

| Types of pool | Private in-ground pools |
|---|---|
| Pool shapes | All shapes |
| Bottoms | Flat bottom, gentle slope, composed slope, diving pit, diamond point |
| Surfaces | Liner |

## DESCRIPTION

| System type | Pressure cleaner |
|---|---|
| Steering | Random and automatic reverse |
| Power supply | Booster pump coupled to filtering |
| Suction | 3 jets Venturi system |
| Debris collection | Filter bag + sweep hose scrubber |

## TECHNICAL SPECIFICATIONS

| Required equipment* | 1 HP booster pump, 1.5 HP booster pump and greater ** |
|---|---|
| Operating pressure | 2,2 à 2,6 bars max |
| Specific brush socket line | Fixed hose 16 bars |
| Speed | 20 m / min |
| Suction size | 6 cm |
| Hose length | 9,60 m |
| Weight | 3,5 kg |
| Units / pallet | 16 |

**SPARE PARTS** Spare pieces p.240

## OPTIONAL ACCESSORIES ( NOT INCLUDED)

| | Disposable bags (EZ Bag) (packs of 6) | Standard, double capacity silt bag | Standard silt bag | Leaf bag | Ultra fine bag |
|---|---|---|---|---|---|
| Ref. Polaris | K-52 | 39-310 | K-23 | K-15 | K-18 |
| Ref. Zodiac | W7230114 | W7610000 | W7230111 | W7230104 | W7230109 |

*Depending on the distance to the technical room
**For a technical room at a distance of more than 15 m. For a perfect use of your pressure cleaner, we recommend to use it with a 1.5 HP booster pump and greater

7389190 6426

# Polaris® TailSweep PRO®

+ **Optimized removal of debris in the pool**
+ **Reduced water spraying around the pool**
+ **Easy to install at the end of the flexible hose of Polaris® robot cleaners**
+ **Suitable for all models of Polaris® pressure cleaners**

**2 YEAR WARRANTY**

ALL TYPES OF SWIMMING POOLS

POLARIS®

|  | 18 units Display | Case of 12 units |
|---|---|---|
| **PRODUCT REFERENCE** | | |
| Standard model | W7220031 | W7220032 |

| ACCESSORIES INCLUDED IN THE PACK | |
|---|---|
| Foam brush | Tail sweep |

| TECHNICAL SPECIFICATIONS | |
|---|---|
| Dimensions of the accessory (L x D x h) | 10 x 5 x 5 cm |
| Packaging dimensions (L x D x h) | 11 x 5 x 5 cm |
| Weight of the accessory | 21 g |
| Packaged weight | 39 g |

| GENERAL SPECIFICATIONS | |
|---|---|
| Installation | By the user, on the end of the flexible hose of the pressure cleaner |

Side inlets for water suction or air suction

Diffuser for water dispersion
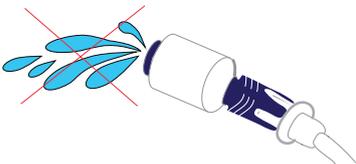
**In the water :**
The Trail Sweep Pro® side inlets are used to suck in the water which is re-injected by Venturi effect into the diffuser :
• Increased flow rate
• Optimised removal of debris

**Out of the water :**
As soon as these inlets emerge from the water, the air which is sucked in cuts the injection of water to avoid water being sprayed outside the pool.

52237060325
12

52237060592
18

# Booster Pump & Control box

+ All water treatment adapted (sea water, chlorine water, demineralized water...)
+ Distance from the pool up to 20 meters
+ Connection kit "Quick Connect" includ in the BPK pack

**ALL TYPES OF SWIMMING POOLS**

| | Booster pump without connexion kit | Booster pump with connexion kit |
|---|---|---|
| **PRODUCT REFERENCE** | | |
| Standard model | BP / W4530247 | BPK / W4530248 |

| GENERAL | |
|---|---|
| Power | 1 CV single phase |
| Type | Multicellular |
| Body and turbine | Noryl® |
| Composition | Pump + Kit Quick Connect (BPK) |
| Weight | 11 kg |
| Guarantee | 2 ans |

| TECHNICAL SPECIFICATIONS | |
|---|---|
| Supply voltage | 220-240 V |
| Consumption | 0,75 kW |
| Turbine shaft | Inox AISI 420 |
| RPM | 2800 rpm |
| Bust of AMP | 5,3 A |
| Protection index | Watertightness IP-55 |

+ Ideal to be combined with Polaris Cleaners
+ Easy to program
+ Magnetic-thermal breaker to protect the system

| Electric box |
|---|
| **PRODUCT REFERENCE** |

| Standard model | CE-2001 / W2520001 |
|---|---|

| GENERAL | |
|---|---|
| Size | L. 220 x l. 200 x H. 200 mm |
| Weight | 1 kg |
| Guarantee | 2 ans |

| TECHNICAL SPECIFICATIONS | |
|---|---|
| Electrical supply | 1 ph 230 V / 50 Hz |
| Circuit breaker | 4 to 6,3 A |
| Switch main power | Auto / stop / manual |
| Protection index | Watertightness IP-65 |
| Installation | 30 mA |

**SPARE PARTS** Spare pieces p.246

# Heating

## > SWIMMING POOL HEATING SOLUTIONS

Equipping a pool with a heating solution means freedom from the vagaries of the weather and extending its use period.
Heat pumps, electric heaters, heat exchangers - the Zodiac® product range allows everyone to enjoy water at a constant ideal temperature under all circumstances.

### > PARAMETERS FOR CHOOSING A HEATING SYSTEM

To define a system suitable for a pool, you need to know its **volume (in m³), the desired use period** and estimate the **temperature (in °C)** the water in the pool should reach.

These simple parameters will enable you to size the heating system correctly and will guarantee you **maximum comfort at a lower cost.**

The choice of heating equipment also depends on the energy source that will be used.

### COMPARATIVE TABLE OF RANGES

| | Heat pumps | Electric heaters | Heat exchangers |
|---|---|---|---|
| Solution | Stand-alone, dedicated to the pool | Stand-alone, dedicated to the pool | Coupled to the domestic heating |
| Energy used | Renewable | Electricity | Domestic heating source (gas, oil, electricity, renewable, etc.) |
| Running cost | € | €€€ | € to €€€ |
| Investment | €€ | € | € |
| Advantages | Economical Efficient | Simple installation Rapid temperature increase | Rapid temperature increase (if gas/oil boiler) Compatible with all heating systems |
| Uses | All open air or indoor pools | Spas and pools used at weekends or holiday homes | Indoor and outdoor pools close to the boiler in the house |

# > HEAT PUMPS
## The economical and ecological solution

Affordable and easy to install, heat pumps are the ideal solution for heating the pool while also saving energy.

## > HOW DOES IT WORK?

The heat pump is a **thermodynamic system.** Its operating principle is very simple:
the system takes calories from the air and transfers them directly to the water in the pool.
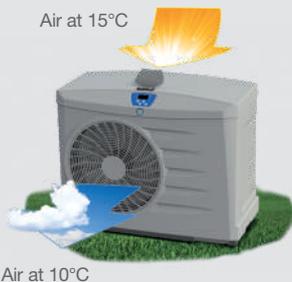
Air at 15°C

Air at 10°C

**80% of the energy comes from the air.**
**20% of the energy comes from your electricity supplier.**

Air at 10°C
Pressure reducer
Water at 26°C

Calories captured from the air by the evaporator

Calories restored by the Titanium condenser

Compressor
Water at 28°C
Air at 15°C
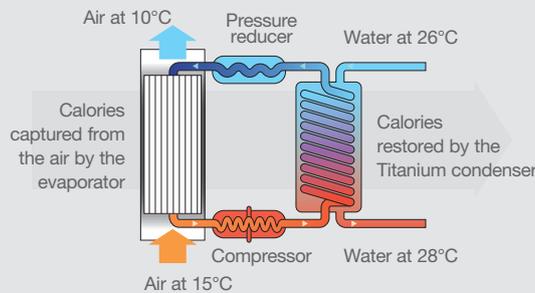
**The heat pump recovers calories from the outside air.**
**The heat pump restores calories to the water in the pool by thermodynamic exchange.**

**Find the video**
**by scanning the QR code below:**

**or by visiting our YouTube channel:**
http://youtu.be/-5UAXBFlnX8

Heat pumps can be installed easily on pools under construction and on existing pools, by a simple electrical or hydraulic connection.

## > WHAT TYPE OF DEFROSTING?

When the outside temperature is low, the evaporator will tend to ice up, which reduces its efficiency: this ice must therefore be removed.
There are 2 types of defrosting:

- **Defrosting by ventilation or economical defrosting**
  The cooling circuit is stopped for a few minutes. Only the fan operates, forcing outside air to defrost naturally.
  This type of defrosting is suitable and adequate for all open air pools (seasonal use).

- **Defrosting by cycle inversion or intensive defrosting**
  The cooling circuit is reversed: heat from the water in the pool is taken to defrost the evaporator. This allows operation at temperatures down to -12°C.
  This type of defrosting is essential for indoor or covered pools operating throughout the year.

## > A SIZING SERVICE AVAILABLE TO HELP YOU

Benefit from **the support of the Zodiac®** design office or size Zodiac® systems yourself
on the Internet using the **'BilPi' software**.
To find out more, see the 'Services' section in the introduction to this catalogue.

**SERVICES +**

**REFERENCE POINT**
Zodiac® offers service solutions to help you.
Find these services in this catalogue using this pictogram.

## > HOW IS THE PERFORMANCE OF HEAT PUMPS COMPARED?

**To compare the performance of different heat pumps, it is essential to compare power supplied and performance coefficient under the same temperature and humidity conditions.**

Two main values characterise the performance of heat pumps: their power and their performance coefficient.

- **Power, expressed in kW**, indicates the quantity of heat transferred to the water.

It varies depending on three conditions to which the heat pump is exposed during use: temperature of the outside air, humidity of the outside air and temperature of the water in the pool.

air    hygro

kW

eau

Power (kW)

10
8

7°C    15°C    25°C    Outside temperature
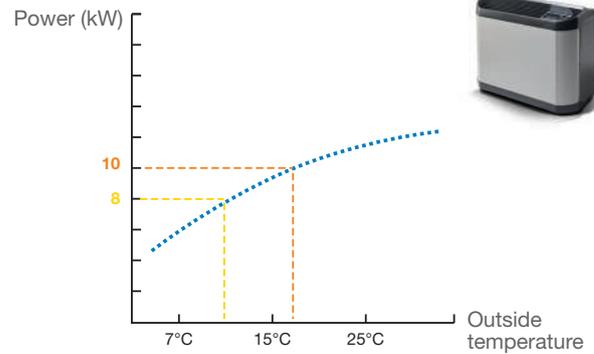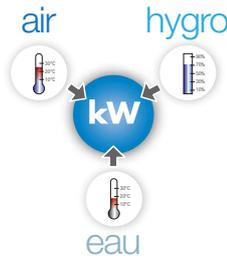
- The **coefficient of performance (COP)** is the ratio between the power supplied to the water in the pool and the power consumption of the heat pump.

As an example, a performance coefficient of 4 means that for 1 kWh consumed at the electricity meter, the heat supplies 4 times more energy to the water in the pool, or 4 kWh.

So the higher the performance coefficient, the more efficient and economical the system.

Like power, the performance coefficient depends directly on the conditions of use.

Performance coefficient

6
5
3,75

7°C    15°C    25°C

0°C  5°C  10°C  15°C  20°C  25°C  30°C    Outside temperature
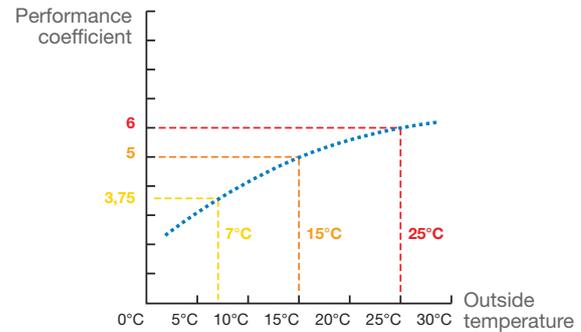
## > ZODIAC® HEAT PUMPS: NF-CERTIFIED HEAT PUMPS

NF-certification for swimming pool heat pumps means:

- Certified performance (power returned, performance coefficient, noise level) measured in an accredited laboratory by a certification body.
- An annual performance test of products and information given in the catalogue.
- Certification of the manufacturer and annual audit to maintain this certification.
- Service guarantee to customers: appropriate after-sales service organisation, spare parts available for 10 years, etc.

**A true measure of performance, quality and service commitment for its customers and the end consumer!**

**NF**
HEAT PUMPS

**REFERENCE POINT**
The NF mark is very well-known by the public: 90% of French people know it and identify it as a sign of quality.

Zodiac® is the first manufacturer to offer NF-certified swimming pool heat pumps.

# > HEAT PUMPS
## A silent installation

## > MEASURING NOISE LEVEL ACCURATELY

The latest technologies used in the design of evaporators, fans and compressors make Zodiac® heat pumps extremely quiet.

The noise level should be measured by a certified body to obtain a real and objective value. It is expressed:

- Either **as acoustic power dB(A):** this is the unmodified noise level of the emitting source.

- Or **as acoustic pressure dB(A):** this is the sound level perceived by the human ear. It depends on the installation environment and distance at which the measurement is made. It must therefore always include a measuring distance.

**Acoustic power**
68 dB(A)

**Acoustic pressure**

| 2.5 m | 5 m | 10 m |
|---|---|---|
| 52 dB(A) | 46 dB(A) | 40 dB(A) |

The further you are from the emitting source, the more the sound level falls: it is reduced by 6 dB(A) for every doubling of the distance.

**NOISE SCALE**

DANGER LEVEL — 90 dB(A)
RISK LEVEL — 80 dB(A)
— 70 dB(A)
— 60 dB(A)
— 50 dB(A)
— 40 dB(A)
— 30 dB(A)
— 20 dB(A)
— 10 dB(A)
AUDIBILITY LEVEL — 0 dB(A)
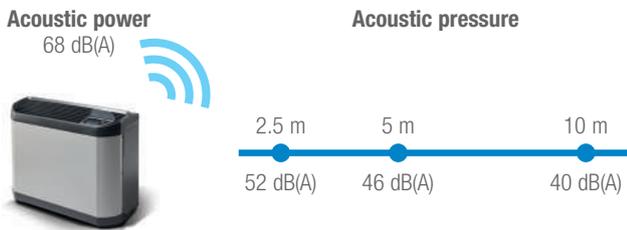
**To compare the noise level of several machines, check what type of value you have, power or pressure, and if it is pressure then at what distance was it measured!**

## > RECOMMENDATIONS FOR INSTALLING A SWIMMING POOL HEAT PUMP

A heat pump system includes 'moving' parts (compressor, fan, etc.), vibrations from which can spread and build up.

X dB(A)   +3 dB(A)   +6 dB(A)   +9 dB(A)
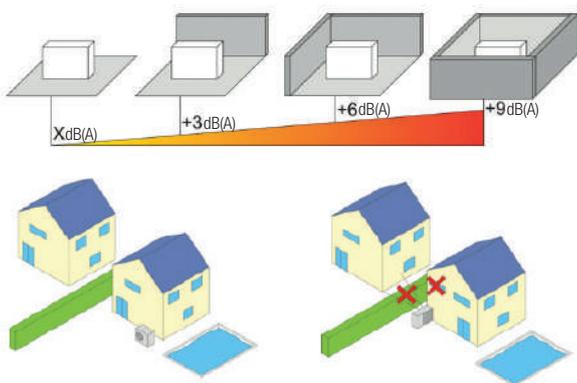
**To avoid or reduce disturbances,
a few installation rules should be followed:**

- **Favour open spaces** (avoid corners or interior courtyards), because sound waves coming from all sides of the system are reflected by the surfaces facing them.

- **Do not install the system below or facing a window.**

- **Relative to neighbouring properties:**
    - Install the system as far as possible from property boundaries.
    - The fan should not point towards neighbouring properties.

## > REDUCE TRANSMISSION OF VIBRATIONS THROUGH THE BASE

- Fit suitable anti-vibration blocks.
- Renew them if necessary to absorb vibrations, because they lose effectiveness over time.
- Install a mounting base. It should weigh at least twice as much as the heat pump. It must be independent of a building.

**Anti-vibration blocks**
(ref : WAP3064)

**Mounting base**
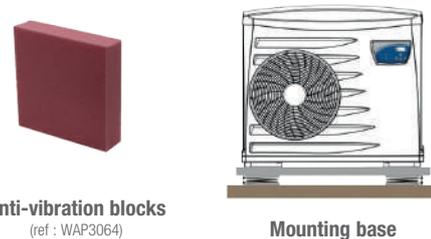
# > ACOUSTIC POWER / PRESSURE MATCHING TABLE

## FREE STANDING UNIT, HORIZONTAL PLANE, 360° FREE AREA

**How to read:** for an acoustic power of 60dB(A), the acoustic pressure at 7m of a unit installed on horizontal plane, 360° free area, is 35,1dB(A)

| Acoustic power (dB(A)) | Acoustic Pressure at n metres (dB(A)) (free standing unit, horizontal plane, 360° free area) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
| 20 | 12,0 | 6,0 | 2,5 | | | | | | | |
| 21 | 13,0 | 7,0 | 3,5 | 1,0 | | | | | | |
| 22 | 14,0 | 8,0 | 4,5 | 2,0 | 0,0 | | | | | |
| 23 | 15,0 | 9,0 | 5,5 | 3,0 | 1,0 | | | | | |
| 24 | 16,0 | 10,0 | 6,5 | 4,0 | 2,0 | 0,5 | | | | |
| 25 | 17,0 | 11,0 | 7,5 | 5,0 | 3,0 | 1,5 | 0,1 | | | |
| 26 | 18,0 | 12,0 | 8,5 | 6,0 | 4,0 | 2,5 | 1,1 | | | |
| 27 | 19,0 | 13,0 | 9,5 | 7,0 | 5,0 | 3,5 | 2,1 | 1,0 | | |
| 28 | 20,0 | 14,0 | 10,5 | 8,0 | 6,0 | 4,5 | 3,1 | 2,0 | 0,9 | 0,0 |
| 29 | 21,0 | 15,0 | 11,5 | 9,0 | 7,0 | 5,5 | 4,1 | 3,0 | 1,9 | 1,0 |
| 30 | 22,0 | 16,0 | 12,5 | 10,0 | 8,0 | 6,5 | 5,1 | 4,0 | 2,9 | 2,0 |
| 31 | 23,0 | 17,0 | 13,5 | 11,0 | 9,0 | 7,5 | 6,1 | 5,0 | 3,9 | 3,0 |
| 32 | 24,0 | 18,0 | 14,5 | 12,0 | 10,0 | 8,5 | 7,1 | 6,0 | 4,9 | 4,0 |
| 33 | 25,0 | 19,0 | 15,5 | 13,0 | 11,0 | 9,5 | 8,1 | 7,0 | 5,9 | 5,0 |
| 34 | 26,0 | 20,0 | 16,5 | 14,0 | 12,0 | 10,5 | 9,1 | 8,0 | 6,9 | 6,0 |
| 35 | 27,0 | 21,0 | 17,5 | 15,0 | 13,0 | 11,5 | 10,1 | 9,0 | 7,9 | 7,0 |
| 36 | 28,0 | 22,0 | 18,5 | 16,0 | 14,0 | 12,5 | 11,1 | 10,0 | 8,9 | 8,0 |
| 37 | 29,0 | 23,0 | 19,5 | 17,0 | 15,0 | 13,5 | 12,1 | 11,0 | 9,9 | 9,0 |
| 38 | 30,0 | 24,0 | 20,5 | 18,0 | 16,0 | 14,5 | 13,1 | 12,0 | 10,9 | 10,0 |
| 39 | 31,0 | 25,0 | 21,5 | 19,0 | 17,0 | 15,5 | 14,1 | 13,0 | 11,9 | 11,0 |
| 40 | 32,0 | 26,0 | 22,5 | 20,0 | 18,0 | 16,5 | 15,1 | 14,0 | 12,9 | 12,0 |
| 41 | 33,0 | 27,0 | 23,5 | 21,0 | 19,0 | 17,5 | 16,1 | 15,0 | 13,9 | 13,0 |
| 42 | 34,0 | 28,0 | 24,5 | 22,0 | 20,0 | 18,5 | 17,1 | 16,0 | 14,9 | 14,0 |
| 43 | 35,0 | 29,0 | 25,5 | 23,0 | 21,0 | 19,5 | 18,1 | 17,0 | 15,9 | 15,0 |
| 44 | 36,0 | 30,0 | 26,5 | 24,0 | 22,0 | 20,5 | 19,1 | 18,0 | 16,9 | 16,0 |
| 45 | 37,0 | 31,0 | 27,5 | 25,0 | 23,0 | 21,5 | 20,1 | 19,0 | 17,9 | 17,0 |
| 46 | 38,0 | 32,0 | 28,5 | 26,0 | 24,0 | 22,5 | 21,1 | 20,0 | 18,9 | 18,0 |
| 47 | 39,0 | 33,0 | 29,5 | 27,0 | 25,0 | 23,5 | 22,1 | 21,0 | 19,9 | 19,0 |
| 48 | 40,0 | 34,0 | 30,5 | 28,0 | 26,0 | 24,5 | 23,1 | 22,0 | 20,9 | 20,0 |
| 49 | 41,0 | 35,0 | 31,5 | 29,0 | 27,0 | 25,5 | 24,1 | 23,0 | 21,9 | 21,0 |
| 50 | 42,0 | 36,0 | 32,5 | 30,0 | 28,0 | 26,5 | 25,1 | 24,0 | 22,9 | 22,0 |
| 51 | 43,0 | 37,0 | 33,5 | 31,0 | 29,0 | 27,5 | 26,1 | 25,0 | 23,9 | 23,0 |
| 52 | 44,0 | 38,0 | 34,5 | 32,0 | 30,0 | 28,5 | 27,1 | 26,0 | 24,9 | 24,0 |
| 53 | 45,0 | 39,0 | 35,5 | 33,0 | 31,0 | 29,5 | 28,1 | 27,0 | 25,9 | 25,0 |
| 54 | 46,0 | 40,0 | 36,5 | 34,0 | 32,0 | 30,5 | 29,1 | 28,0 | 26,9 | 26,0 |
| 55 | 47,0 | 41,0 | 37,5 | 35,0 | 33,0 | 31,5 | 30,1 | 29,0 | 27,9 | 27,0 |
| 56 | 48,0 | 42,0 | 38,5 | 36,0 | 34,0 | 32,5 | 31,1 | 30,0 | 28,9 | 28,0 |
| 57 | 49,0 | 43,0 | 39,5 | 37,0 | 35,0 | 33,5 | 32,1 | 31,0 | 29,9 | 29,0 |
| 58 | 50,0 | 44,0 | 40,5 | 38,0 | 36,0 | 34,5 | 33,1 | 32,0 | 30,9 | 30,0 |
| 59 | 51,0 | 45,0 | 41,5 | 39,0 | 37,0 | 35,5 | 34,1 | 33,0 | 31,9 | 31,0 |
| 60 | 52,0 | 46,0 | 42,5 | 40,0 | 38,0 | 36,5 | 35,1 | 34,0 | 32,9 | 32,0 |
| 61 | 53,0 | 47,0 | 43,5 | 41,0 | 39,0 | 37,5 | 36,1 | 35,0 | 33,9 | 33,0 |
| 62 | 54,0 | 48,0 | 44,5 | 42,0 | 40,0 | 38,5 | 37,1 | 36,0 | 34,9 | 34,0 |
| 63 | 55,0 | 49,0 | 45,5 | 43,0 | 41,0 | 39,5 | 38,1 | 37,0 | 35,9 | 35,0 |
| 64 | 56,0 | 50,0 | 46,5 | 44,0 | 42,0 | 40,5 | 39,1 | 38,0 | 36,9 | 36,0 |
| 65 | 57,0 | 51,0 | 47,5 | 45,0 | 43,0 | 41,5 | 40,1 | 39,0 | 37,9 | 37,0 |
| 66 | 58,0 | 52,0 | 48,5 | 46,0 | 44,0 | 42,5 | 41,1 | 40,0 | 38,9 | 38,0 |
| 67 | 59,0 | 53,0 | 49,5 | 47,0 | 45,0 | 43,5 | 42,1 | 41,0 | 39,9 | 39,0 |
| 68 | 60,0 | 54,0 | 50,5 | 48,0 | 46,0 | 44,5 | 43,1 | 42,0 | 40,9 | 40,0 |
| 69 | 61,0 | 55,0 | 51,5 | 49,0 | 47,0 | 45,5 | 44,1 | 43,0 | 41,9 | 41,0 |
| 70 | 62,0 | 56,0 | 52,5 | 50,0 | 48,0 | 46,5 | 45,1 | 44,0 | 42,9 | 42,0 |
| 71 | 63,0 | 57,0 | 53,5 | 51,0 | 49,0 | 47,5 | 46,1 | 45,0 | 43,9 | 43,0 |
| 72 | 64,0 | 58,0 | 54,5 | 52,0 | 50,0 | 48,5 | 47,1 | 46,0 | 44,9 | 44,0 |
| 73 | 65,0 | 59,0 | 55,5 | 53,0 | 51,0 | 49,5 | 48,1 | 47,0 | 45,9 | 45,0 |
| 74 | 66,0 | 60,0 | 56,5 | 54,0 | 52,0 | 50,5 | 49,1 | 48,0 | 46,9 | 46,0 |
| 75 | 67,0 | 61,0 | 57,5 | 55,0 | 53,0 | 51,5 | 50,1 | 49,0 | 47,9 | 47,0 |
| 76 | 68,0 | 62,0 | 58,5 | 56,0 | 54,0 | 52,5 | 51,1 | 50,0 | 48,9 | 48,0 |
| 77 | 69,0 | 63,0 | 59,5 | 57,0 | 55,0 | 53,5 | 52,1 | 51,0 | 49,9 | 49,0 |
| 78 | 70,0 | 64,0 | 60,5 | 58,0 | 56,0 | 54,5 | 53,1 | 52,0 | 50,9 | 50,0 |
| 79 | 71,0 | 65,0 | 61,5 | 59,0 | 57,0 | 55,5 | 54,1 | 53,0 | 51,9 | 51,0 |
| 80 | 72,0 | 66,0 | 62,5 | 60,0 | 58,0 | 56,5 | 55,1 | 54,0 | 52,9 | 52,0 |

# > **Z500iQ**
## THE ECO-SILENCE CHOICE

### INVERTER TECHNOLOGY: SILENT AND ECONOMICAL

Z500iQ comes equipped with the Heatselect Technology. Operating speed is adjusted based on the required power and selected mode :

- Boost: maximum power for fast heat-up

- Smart: automatic power adjustment depending on temperature

- Ecosilence: further energy savings and lowest noise level

### FITS EASILY INTO SMALL PLACES

The Z500iQ is discreet and can be installed next to any pool. Thanks to its smaller footprint, requiring half the space of standard heat pumps and to its vertical air flow, it can be placed in the smallest spaces.

### EMBEDDED CONNECTIVITY

With your smartphone, you can remotely set and consult Z500iQ heat pump's different modes of operation. Z500iQ is upgradeable thanks to possible optimisations and automatic remote updates.

### Intuitive Navigation

New display positionned on the top front, to maximize comfort of use.

User-friendly navigation with one-touch access to main functions.

### Mode gauge

Luminous gauge helps to visualize the status and heating mode from a far (heating / cooling / error).

### Wi-Fi Control through iAquaLink™

- iAqualink App[1] to control the unit remotely
- Temperature setting ( heating / cooling)
- Mode selection ( cooling mode activation, heat select : Boost / Smart / Ecosilence )
- On /Off switch
- Contextual help
- Remote firmware upgrades

Colour to be confirmed

**iAquaLink** CONTROL

[1] iAquaLink™ app availability during the 2020 pool season

Heat pumps offer a solution that is both **ecological** and **easy to install**, all with **highly competitive running costs**.

**As thermodynamic devices**, they transfer the calories (heat) present in the air to the pool water, for reduced energy consumption.

Ideal for **in-ground pools**, the Zodiac® range is available in several models to suit all types of pool.

# From heat pumps for private pools to heat pumps for large public pools.

## COMPARATIVE TABLE OF THE RANGE

| | Z200 / Z200 Defrost | Z300 | Z400 iQ | Z500iQ |
|---|---|---|---|---|
| | | | | Color to be comfirmed |
| Application | Residential | Residential | Residential | Residential |
| Type of pool | Open-air | Open-air or indoor | Open-air or indoor | Open-air or indoor |
| Maximum volume of the pool* | Up to 70 m³ | Up to 110 m³ | Up to 120 m³ | Up to 110 m³ |
| Advantages | Pool heating made simple | High performance and quiet - certified | Elegant and discrete | The eco-silent choice |
| Energy efficiency | + | ++ | ++ | +++ |
| Acoustics | + | ++ | ++ | +++ |
| Compact installation | ++ | + | ++ | +++ |
| Minimum operating T° | +5 °C (standard) -5 °C (defrost) | +5 °C | - 12°C | - 12°C |
| Reversible operation to cool the pool | | | • | • |
| Heating priority | • | • | • | • |
| Can be installed in a control room** | | • | | • |
| Remote control option available | • | • | (Mobile application) | (Mobile application) |

\* Volumes given for information only, subject to specific characteristics of each pool, based on heat study.
\*\* With appropriate kit.
\*\*\* NF PAC for MD4 and MD5 models

# HEAT PUMPS

## > AN ECOLOGICAL SOLUTION

From the energy in the air and using its compressor, **the heat pump supplies 4 to 5 times more power than it consumes.**

**ÉCO RESPECTUEUX**

**DID YOU KNOW?**
80% of the energy used to heat the pool comes from the outside air!

## From heat pumps for private pools to heat pumps for large public pools.

| COMPARATIVE TABLE OF THE RANGE | Z600 Silent | Z700 Duo | Power Force | Z900 |
|---|---|---|---|---|
| Application | Residential to small public pool | Residential | Small to medium public pool | Medium to large public pool |
| Type of pool | Open-air or indoor | Indoor | Open-air or indoor | Open-air or indoor |
| Maximum volume of the pool* | Up to 150 m³ | Up to 75 m³ | Contact us | Contact us |
| Advantages | Made in Germany | The 2-in-1 heating solution for indoor pools | Economical and silent power | Energy efficiency and silence for public pools |
| Energy efficiency | +++ | +++ | ++ | ++ |
| Acoustics | +++ | ++ | + | ++ |
| Compact size | + | + | + | ++ |
| Minimum operating T° | - 8 °C | - 8 °C | - 12°C | - 12°C |
| Reversible operation to cool the pool | • | | • | • |
| Heating priority | • | | • | |
| Can be installed in a control room** | | | | |
| Remote control option available | • | • | • | • |

\* Volumes given for information only, subject to specific characteristics of each pool, based on heat study.
\*\* With appropriate kit.

# Z200

+ The most compact
+ Guaranteed heating thanks to heating priority
+ Suits most pools

**3 YEAR WARRANTY**

**5 YEAR CONDENSER WARRANTY ANTI-CORROSION**

SERVICES +

Ti 22 TITANE INSIDE

ECO-FRIENDLY

|  | **Z200 M2** | **Z200 M3** | **Z200 M4** | **Z200 M5** |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | WH000307 | WH000308 | WH000309 | WH000310 |

## ACCESSORIES INCLUDED IN THE PACK

| Winter cover | PVC fittings 1/2 unions Ø 40 & Ø 50 | Anti-vibrations pads |
|---|---|---|

## EQUIPMENT

- Horizontal blowing
- Polypropylene body
- Digital display
- Heating priority mode (filtration pump control)
- Automatic defrosting (forced ventilation)
- Anti-freeze thermostat (minimum operating temperature: +5°C)
- HP & LP safety pressure switch

- Water flow switch
- Titanium water exchanger condenser
- Rotary vane compressor
- Capillary expansion valve
- Refrigerant fluid: R32

| PERFORMANCE: AIR 28°C / WATER 28°C / HUMID. 80% | | | | |
|---|---|---|---|---|
| **Operating power (kW)** | **6,7** | **9,3** | **11,5** | **14,8** |
| Consumed power (kW) | 1,2 | 1,8 | 2,3 | 3,2 |
| COP | 5,5 | 5 | 5,1 | 4,6 |

| PERFORMANCE: AIR 15°C / WATER 26°C / HUMID. 70% | | | | |
|---|---|---|---|---|
| Operating power (kW) | 4,8 | 7 | 8,1 | 10,1 |
| Consumed power (kW) | 1 | 1,6 | 2 | 2,5 |
| COP | 4,8 | 4,4 | 4 | |

| TECHNICAL SPECIFICATIONS | | | | |
|---|---|---|---|---|
| Recommended pool volume* (m³) | < 30 | < 45 | < 60 | < 70 |
| Average water flow (m³/h) | 3 | 4 | 5 | |
| Hydraulic connection | PVC 1/2union, Ø 40 or 50, glued | | | |
| Electric power supply | 230 V / 1 / 50 Hz | | | |
| Nominal operating power (A) | 4,5 | 6,3 | 7,9 | 11,2 |
| Maximum operating power (A) | 5,2 | 7,6 | 10,2 | 13,4 |
| Recommended power cable size ** | 3 x 2.5 | | | |
| Refrigerant fluid quantity (kg) | 0,68 | 0,85 | 0,9 | 1,1 |
| Acoustic power (dB(A)) | 66 | 67 | 69 | 72 |
| Acoustic pressure at 10m (dB(A)) | 38 | 39 | 41 | 44 |

*Estimated average values for a private pool with isothermal cover, from 15 May to 15 September. For year-round / indoor pool operation, check out the Bilpi sizing tool on your pro page.
**Cable not provided. Recommended section for a maximum length of 20 meters.

## DIMENSIONS (MM) AND WEIGHT

|  | Z200 M2 | Z200 M3 | Z200 M4 | Z200 M5 |
|---|---|---|---|---|
| Weight (kg) | 40 | 45 | 50 | 53 |

666 mm

840 mm

385 mm

400 mm

110 mm

## INSTALLATION

• Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).
• On a stable, solid and level surface.

• Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.

VB

VS

VE

0,5m
0,5m
0,8m
3m

**Spare parts p.248**

## OPTIONAL ACCESSORIES

|  |  |  |  |  |
|---|---|---|---|---|
|  | Winter cover | Cleaning kit HP | Remote control, Z200 | Wall mounting kit, Z200 |
|  | Tailored, micro-perforated cover | Specifically formulated for evaporator cleaning. Kit includes an 5L can and a spray bottle | Transfers information and commands of the embedded interface. 20m cable included. | Includes 2 brackets and anti-vibration blocks |
| reference | R07094 | WMA03491 | WH000200 | R07338 |

# Z200 defrost

Heating > Heat Pumps > Z200 defrost

+ The most compact
+ Operating down to -5°C outdoor temperature
+ Suits most pools

**3** YEAR WARRANTY

**5** YEAR CONDENSER WARRANTY ANTI-CORROSION

SERVICES +

Ti·22 TITANE INSIDE

ECO-FRIENDLY

|  | Z200 MD2 | Z200 MD3 | Z200 MD4 | Z200 MD5 |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | WH000407 | WH000408 | WH000409 | WH000410 |

### ACCESSORIES INCLUDED IN THE PACK

| Winter cover | PVC fittings 1/2 unions Ø 40 & Ø 50 | Anti-vibrations pads |
|---|---|---|

### EQUIPMENT

- Horizontal blowing
- Polypropylene body
- Digital display
- Heating priority mode (filtration pump control)
- Automatic defrosting (cycle inversion or forced ventilation)
- Anti-freeze thermostat (minimum operating temperature: -5°C )

- HP & LP safety pressure switch
- Water flow switch
- Titanium water exchanger condenser
- Rotary vane compressor
- Capillary expansion valve
- Refrigerant fluid: R32

| PERFORMANCE: AIR 28°C / WATER 28°C / HUMID. 80% | | | | |
|---|---|---|---|---|
| Operating power (kW) | 6,7 | 9,3 | 11,5 | 14,8 |
| Consumed power (kW) | 1,2 | 1,8 | 2,3 | 3,2 |
| COP | 5,5 | 5 | 5,1 | 4,6 |
| PERFORMANCE: AIR 15°C / WATER 26°C / HUMID. 70% | | | | |
| Operating power (kW) | 4,8 | 7 | 8,1 | 10,1 |
| Consumed power (kW) | 1 | 1,6 | 2 | 2,5 |
| COP | 4,8 | 4,4 | 4 | |

| TECHNICAL SPECIFICATIONS | | | | |
|---|---|---|---|---|
| Recommended pool volume* (m³) | < 30 | < 45 | < 60 | < 70 |
| Average water flow (m³/h) | 3 | 4 | 5 | |
| Hydraulic connection | PVC 1/2union, Ø 40 or 50, glued | | | |
| Electric power supply | 230 V / 1 / 50 Hz | | | |
| Nominal operating power (A) | 4,5 | 6,3 | 7,9 | 11,2 |
| Maximum operating power (A) | 5,2 | 7,6 | 10,2 | 13,4 |
| Recommended power cable size ** | 3 x 2.5 | | | |
| Refrigerant fluid quantity (kg) | 0,68 | 0,85 | 0,9 | 1,1 |
| Acoustic power (dB(A)) | 66 | 67 | 69 | 72 |
| Acoustic pressure at 10m (dB(A)) | 38 | 39 | 41 | 44 |

*Estimated average values for a private pool with isothermal cover, from 15 May to 15 September. For year-round / indoor pool operation, check out the Bilpi sizing tool on your pro page.
**Cable not provided. Recommended section for a maximum length of 20 meters.
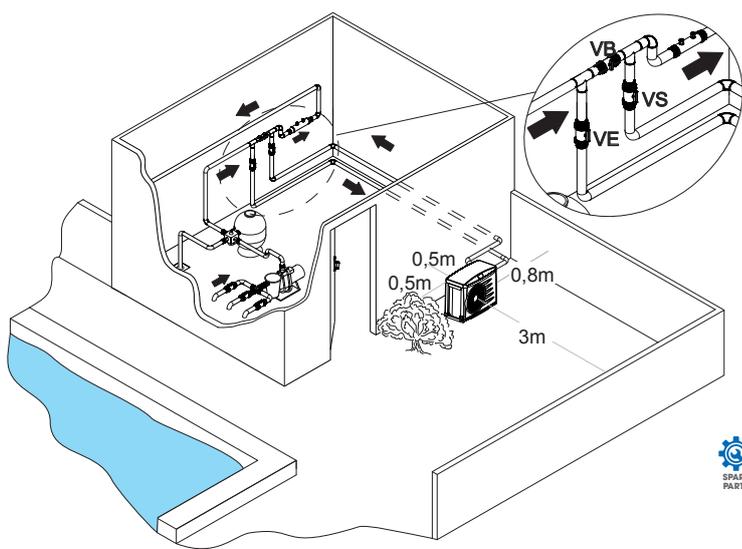
## DIMENSIONS (MM) AND WEIGHT

|  | Z200 MD2 | Z200 MD3 | Z200 MD4 | Z200 MD5 |
|---|---|---|---|---|
| Weight (kg) | 40 | 45 | 50 | 53 |



666 mm
840 mm
385 mm
400 mm
110 mm

## INSTALLATION

• Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).
• On a stable, solid and level surface.

• Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.



VB
VS
VE
0,5m
0,5m
0,8m
3m

**Spare parts p.248**

## OPTIONAL ACCESSORIES

|  | Winter cover | Cleaning kit HP | Remote control, Z200 | Wall mounting kit, Z200 |
|---|---|---|---|---|
|  | Tailored, micro-perforated cover | Specifically formulated for evaporator cleaning. Kit includes an 5L can and a spray bottle | Transfers information and commands of the embedded interface. 20m cable included. | Includes 2 brackets and anti-vibration blocks |
| reference | R07094 | WMA03491 | WH000200 | R07338 |

# Z300

Heating > Heat Pumps > Z300

+ Certified performances
+ Guaranteed heating thanks to heating priority
+ Can also be installed in a technical room

**3 YEAR WARRANTY**

**5 YEAR CONDENSER WARRANTY ANTI-CORROSION**

NF HEAT PUMPS | SERVICES + | Ti 22 TITANE INSIDE | ECO-FRIENDLY | OPTIONAL KIT TECHNICAL ROOM | MADE IN EUROPE

Within the limits of remaining stocks

| | Z300 M4 | Z300 M5 | Z300 T5 | Z300 M7 |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | WH000014 | WH000015 | WH000016 | WH000019 |

**ACCESSORIES INCLUDED IN THE PACK**

| Winter cover | PVC fittings 1/2 unions Ø 50 | Anti-vibrations pads |
|---|---|---|

**EQUIPMENT**

- Horizontal blowing
- Polypropylene body
- Digital display
- Heating priority mode (filtration pump control)
- Automatic defrosting (forced ventilation)
- Anti-freeze thermostat (minimum operating temperature: +5°C)
- HP & LP safety pressure switch
- Water flow switch
- Titanium water exchanger condenser
- Rotary vane compressor
- Electronic expansion valve
- Refrigerant fluid: R410A

**PERFORMANCE: AIR 28°C / WATER 28°C / HUMID. 80%**

| | Z300 M4 | Z300 M5 | Z300 T5 | Z300 M7 |
|---|---|---|---|---|
| Operating power (kW) | 9 | 13 | 13,1 | 16,1 |
| Consumed power (kW) | 1,6 | 2,4 | 2,3 | 2,9 |
| COP | 5,6 | 5,5 | 5,6 | |

**PERFORMANCE: AIR 15°C / WATER 26°C / HUMID. 70% NF**

| | Z300 M4 | Z300 M5 | Z300 T5 | Z300 M7 |
|---|---|---|---|---|
| Operating power (kW) | 7,6 | 10,4 | 10,5 | 13,7 |
| Consumed power (kW) | 1,70 | 2,20 | | 2,90 |
| COP | 4,5 | 4,7 | | |

**TECHNICAL SPECIFICATIONS**

| | Z300 M4 | Z300 M5 | Z300 T5 | Z300 M7 |
|---|---|---|---|---|
| Recommended pool volume* (m³) | < 50 | < 75 | | < 90 |
| Average water flow (m³/h) | 4 | 5 | | 6 |
| Hydraulic connection | PVC 1/2union, Ø 50, glued | | | |
| Electric power supply | 230V / 1 / 50Hz | | 400V / 3 / 50Hz | 230V / 1 / 50Hz |
| Nominal operating power (A) | 7,9 | 10,3 | 4,3 | 13 |
| Maximum operating power (A) | 10 | 14,5 | 5,3 | 16,4 |
| Recommended power cable size ** | 3 x 2.5 | | 5 x 2.5 | 3 x 4 |
| Refrigerant fluid quantity (kg) | 0,92 | 1,55 | | 1,4 |
| Acoustic power (dB(A)) | 67 | 68 | 70 | 67 |
| Acoustic pressure at 10m (dB(A)) | 39 | 40 | 42 | 39 |

*Estimated average values for a private pool with isothermal cover, from 15 May to 15 September. For year-round / indoor pool operation, check out the Bilpi sizing tool on your pro page.
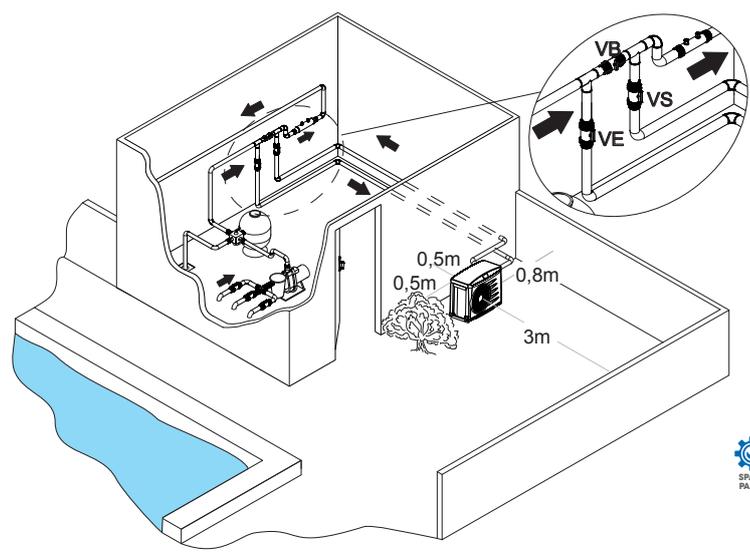**Cable not provided. Recommended section for a maximum length of 20 meters.

## DIMENSIONS (MM) AND WEIGHT

|  | Z300 M4 | Z300 M5 | Z300 T5 | Z300 M7 |
|---|---|---|---|---|
| Poids (kg) | 52 | 63 | 63 | 68 |



## INSTALLATION

• Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).
• On a stable, solid and level surface.

• Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.

## OPTIONAL ACCESSORIES

|  | Winter cover | Cleaning kit HP | Remote control, Z300 | Technical Room Kit | Condensate tray, Z300 | Wall mounting kit, Z300 |
|---|---|---|---|---|---|---|
|  | Tailored, micro-per-forated cover | Specifically formu-lated for evaporator cleaning. Kit includes an 5L can and a spray bottle | Transfers informa-tion and commands of the embedded interface. 20m cable included. | Includes duct, grade, frame and attachment hardwa-re for installation in technical room. | Collects condensate beneath the heat pump. Fixed with wall mounting brackets. | Includes 2 brackets. To be combined with a condensate tray. |
| reference | R07095 | WMA03491 | WTC04004 | W20KITPFPREMLT | R07242 | R07339 |

# Z400iQ

+ Unique design
+ Quiet & discrete
+ Embedded connectivity

**3** YEAR WARRANTY

**5** YEAR CONDENSER WARRANTY ANTI-CORROSION

NF HEAT PUMPS — SERVICES+ — Ti²² TITANE INSIDE — ECO-FRIENDLY — REVERSIBLE — MADE IN EUROPE — iAquaLink CONTROL

| | Z400iQ MD4 | Z400iQ MD5 | Z400iQ MD7 | Z400iQ TD7 | Z400iQ MD8 | Z400iQ TD8 | Z400iQ MD9 | Z400iQ TD9 |
|---|---|---|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | | | | |
| Aluminium Grey (RAL 7006) | WH000348 | WH000350 | WH000291 | WH000293 | WH000295 | WH000297 | WH000299 | WH000301 |
| Beige Grey (RAL 9007) | WH000349 | WH000351 | WH000292 | WH000294 | WH000296 | WH000298 | WH000300 | WH000302 |
| **NF PAC CERTIFICATION** | NF | NF | | | | | | |

## ACCESSORIES INCLUDED IN THE PACK

| Winter cover | PVC fittings 1/2 unions Ø 50 | Adjustable, anti-vibrations feet | Free app |
|---|---|---|---|

## EQUIPMENT

- Vertical air outlet
- Plastic parts in polypropylene, lateral panels in epoxy painted galvanized steel. Front panel in galvanized, pre-painted steel
- Digital display
- Heating priority mode (filtration pump control)
- 2-speed fan with Silence mode (automatic or manual)
- Automatic cooling mode
- Automatic defrosting (cycle inversion or forced ventilation)

- Anti-freeze thermostat (minimum operating temperature: -12°C)
- HP & LP safety pressure switch
- Water flow switch
- Titanium water exchanger condenser
- Rotary vane compressor
- Electronic expansion valve
- Refrigerant fluid: R410A
- Embedded Wi-Fi connectivity with dedicated app

## PERFORMANCE: AIR 28°C / WATER 28°C / HUMID. 80%

| | Z400iQ MD4 | Z400iQ MD5 | Z400iQ MD7 | Z400iQ TD7 | Z400iQ MD8 | Z400iQ TD8 | Z400iQ MD9 | Z400iQ TD9 |
|---|---|---|---|---|---|---|---|---|
| Operating power (kW) | 8,57 | 12,10 | 15,62 | | 18,65 | | 22,05 | |
| Consumed power (kW) | 1,76 | 2,47 | 3,20 | | 3,82 | | 4,51 | |
| COP | 4,89 | 4,90 | 4,89 | | | | 4,90 | |

## PERFORMANCE: AIR 15°C / WATER 26°C / HUMID. 70%

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Operating power (kW) | 6,80 | 9,60 | 12,40 | | 14,80 | | 17,50 | |
| Consumed power (kW) | 1,62 | 2,28 | 2,95 | | 3,52 | | 4,16 | |
| COP | 4,20 | 4,21 | 4,20 | | | | 4,21 | |

## PERFORMANCE : AIR 7°C / WATER 26°C / HUMID. 70%

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Operating power (kW) | 4,70 | 7,36 | 9,26 | | 11,22 | | 13,76 | |
| Consumed power (kW) | 1,38 | 2,16 | 2,72 | | 3,30 | | 4,05 | |
| COP | 3,41 | | | | 3,40 | | | |

## TECHNICAL SPECIFICATIONS

| | Z400iQ MD4 | Z400iQ MD5 | Z400iQ MD7 | Z400iQ TD7 | Z400iQ MD8 | Z400iQ TD8 | Z400iQ MD9 | Z400iQ TD9 |
|---|---|---|---|---|---|---|---|---|
| Recommended pool volume* (m³) | < 50 | < 75 | < 80 | | < 110 | | < 120 | |
| Average water flow (m³/h) | 4 | 5 | 6 | | 7 | | 8 | |
| Hydraulic connection | PVC 1/2union, Ø 50, glued | | | | | | | |
| Electric power supply | 230V / 1 / 50Hz | | | 400V / 3 / 50Hz | 230V / 1 / 50Hz | 400V / 3 / 50Hz | 230V / 1 / 50Hz | 400V / 3 / 50Hz |
| Nominal operating power (A) | 6,9 | 10,2 | 13,4 | 6,7 | 17 | 6,8 | 19,4 | 8,2 |
| Maximum operating power (A) | 10 | 15 | 19 | 8 | 28 | 10 | 32 | 12 |
| Recommended power cable size ** | 3 x 2.5 | | | 5 x 2.5 | 3 x 6 | 5 x 2.5 | 3 x 6 | 5 x 2.5 |
| Refrigerant fluid quantity (kg) | 1,2 | 1,3 | 1,45 | | 1,8 | | | |
| Acoustic Power (dB(A)) in Boost / Silent mode | 64 / 61 | 65 / 63 | 66 / 63 | 68 / 66 | 64 / 61 | 65 / 62 | 64 / 62 | 66 / 63 |
| Acoustic pressure at 10m (dB(A)) in Boost / Silent mode | 36 / 33 | 37 / 35 | 38 / 35 | 40 / 38 | 36 / 33 | 37 / 34 | 36 / 34 | 38 / 35 |

*Estimated average values for a private pool with isothermal cover, from 15 May to 15 September. For year-round / indoor pool operation, check out the Bilpi sizing tool on your pro page.
**Cable not provided. Recommended section for a maximum length of 20 meters.

## DIMENSIONS (MM) AND WEIGHT

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Weight (kg) | 70 | 71 | 90 | 94 | 105 | 105 | 110 | 110 |
| A | 1030 | | | | 1145 | | | |
| D | 880 | | | | 1027 | | | |
| B | 450 | | | | 480 | | | |
| C | 479 | | | | 509 | | | |



## INSTALLATION

- Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).
- On a stable, solid and level surface.
- Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.

**SPARE PARTS**



## OPTIONAL ACCESSORIES

| | Winter cover | | | Cleaning kit HP |
|---|---|---|---|---|
| | Tailored, micro-perforated cover | | | Specifically formulated for evaporator cleaning. Kit includes an 5L can and a spray bottle |
| reference | R0839800 | R0839900 | R0840000 | WMA03491 |

# Z400iQ Stainless

+ Unique design
+ Quiet & discrete
+ Embedded connectivity

**3** YEAR WARRANTY

**5** YEAR CONDENSER WARRANTY ANTI-CORROSION

NF HEAT PUMPS | SERVICES + | Ti 22 TITANE INSIDE | ECO-FRIENDLY | REVERSIBLE | MADE IN EUROPE | iAquaLink CONTROL

| | Z400iQ MD4 S | Z400iQ MD5 S | Z400iQ MD7 S | Z400iQ TD7 S | Z400iQ MD8 S | Z400iQ TD8 S | Z400iQ MD9 S | Z400iQ TD9 S |
|---|---|---|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | | | | |
| Stainless Steel 316L | WH000355 | WH000356 | WH000357 | WH000358 | WH000359 | WH000360 | WH000361 | WH000362 |
| **NF PAC CERTIFICATION** | NF | NF | | | | | | |

## ACCESSORIES INCLUDED IN THE PACK

| Winter cover | PVC fittings 1/2 unions Ø 50 | Adjustable, anti-vibrations feet | Free app |
|---|---|---|---|

## EQUIPMENT

- Vertical air outlet
- Plastic parts in polypropylene, lateral panels in e poxy painted galvanized steel and 316L Stainless Steel front panel
- Digital display
- Heating priority mode (filtration pump control)
- 2-speed fan with Silence mode (automatic or manual)
- Automatic cooling mode
- Automatic defrosting (cycle inversion or forced ventilation)

- Anti-freeze thermostat (minimum operating temperature: -12°C)
- HP & LP safety pressure switch
- Water flow switch
- Titanium water exchanger condenser
- Rotary vane compressor
- Electronic expansion valve
- Refrigerant fluid: R410A
- Embedded Wi-Fi connectivity with dedicated app

### PERFORMANCE: AIR 28°C / WATER 28°C / HUMID. 80%

| | Z400iQ MD4 S | Z400iQ MD5 S | Z400iQ MD7 S | Z400iQ TD7 S | Z400iQ MD8 S | Z400iQ TD8 S | Z400iQ MD9 S | Z400iQ TD9 S |
|---|---|---|---|---|---|---|---|---|
| **Operating power (kW)** | **8,57** | **12,10** | **15,62** | | **18,65** | | **22,05** | |
| Consumed power (kW) | 1,76 | 2,47 | 3,20 | | 3,82 | | 4,51 | |
| COP | 4,89 | 4,90 | 4,89 | | | | 4,90 | |

### PERFORMANCE: AIR 15°C / WATER 26°C / HUMID. 70%

| | Z400iQ MD4 S | Z400iQ MD5 S | Z400iQ MD7 S | Z400iQ TD7 S | Z400iQ MD8 S | Z400iQ TD8 S | Z400iQ MD9 S | Z400iQ TD9 S |
|---|---|---|---|---|---|---|---|---|
| Operating power (kW) | 6,80 | 9,60 | 12,40 | | 14,80 | | 17,50 | |
| Consumed power (kW) | 1,62 | 2,28 | 2,95 | | 3,52 | | 4,16 | |
| COP | 4,20 | 4,21 | 4,20 | | | | 4,21 | |

### PERFORMANCE : AIR 7°C / WATER 26°C / HUMID. 70%

| | Z400iQ MD4 S | Z400iQ MD5 S | Z400iQ MD7 S | Z400iQ TD7 S | Z400iQ MD8 S | Z400iQ TD8 S | Z400iQ MD9 S | Z400iQ TD9 S |
|---|---|---|---|---|---|---|---|---|
| **Operating power (kW)** | **4,70** | **7,36** | **9,26** | | **11,22** | | **13,76** | |
| Consumed power (kW) | 1,38 | 2,16 | 2,72 | | 3,30 | | 4,05 | |
| COP | 3,41 | | 3,40 | | | | | |

## TECHNICAL SPECIFICATIONS

| | Z400iQ MD4 S | Z400iQ MD5 S | Z400iQ MD7 S | Z400iQ TD7 S | Z400iQ MD8 S | Z400iQ TD8 S | Z400iQ MD9 S | Z400iQ TD9 S |
|---|---|---|---|---|---|---|---|---|
| Recommended pool volume* (m³) | < 50 | < 75 | < 80 | | < 110 | | < 120 | |
| Average water flow (m³/h) | 4 | 5 | 6 | | 7 | | 8 | |
| Hydraulic connection | PVC 1/2union, Ø 50, glued | | | | | | | |
| Electric power supply | 230V / 1 / 50Hz | | | 400V / 3 / 50Hz | 230V / 1 / 50Hz | 400V / 3 / 50Hz | 230V / 1 / 50Hz | 400V / 3 / 50Hz |
| Nominal operating power (A) | 6,9 | 10,2 | 13,4 | 6,7 | 17 | 6,8 | 19,4 | 8,2 |
| Maximum operating power (A) | 10 | 15 | 19 | 8 | 28 | 10 | 32 | 12 |
| Recommended power cable size ** | 3 x 2.5 | | | 5 x 2.5 | 3 x 6 | 5 x 2.5 | 3 x 6 | 5 x 2.5 |
| Refrigerant fluid quantity (kg) | 1,2 | 1,3 | 1,45 | | 1,8 | | | |
| Acoustic Power (dB(A)) in Boost / Silent mode | 64 / 61 | 65 / 63 | 66 / 63 | 68 / 66 | 64 / 61 | 65 / 62 | 64 / 62 | 66 / 63 |
| Acoustic pressure at 10m (dB(A)) in Boost / Silent mode | 36 / 33 | 37 / 35 | 38 / 35 | 40 / 38 | 36 / 33 | 37 / 34 | 36 / 34 | 38 / 35 |

*Estimated average values for a private pool with isothermal cover, from 15 May to 15 September. For year-round / indoor pool operation, check out the Bilpi sizing tool on your pro page.
**Cable not provided. Recommended section for a maximum length of 20 meters.

## DIMENSIONS (MM) AND WEIGHT

| Weight (kg) | 70 | 71 | 90 | 94 | 105 | 105 | 110 | 110 |
|---|---|---|---|---|---|---|---|---|
| A | 1030 | | | | 1145 | | | |
| D | 880 | | | 1027 | | | | |
| B | 450 | | | | 480 | | | |
| C | 479 | | | | 509 | | | |



## INSTALLATION

- Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).
- On a stable, solid and level surface.
- Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.

**SPARE PARTS** Spare parts p.254



## OPTIONAL ACCESSORIES

| | Winter cover | | | Cleaning kit HP |
|---|---|---|---|---|
| | Tailored, micro-perforated cover | | | Specifically formulated for evaporator cleaning. Kit includes an 5L can and a spray bottle |
| reference | R0839800 | R0839900 | R0840000 | WMA03491 |

**HEATING**

# ZS500

+ Intelligent heating, perfect temperature
+ Inverter technology: quiet and economical
+ Fits easily into small spaces

**NF** HEAT PUMPS | **SERVICES +** | **Ti²² TITANE INSIDE** | **ECO-FRIENDLY** | **REVERSIBLE** | **MADE IN EUROPE** | **TECHNICAL ROOM** (OPTIONAL KIT)

**3 YEAR WARRANTY**

**5 YEAR CONDENSER WARRANTY ANTI-CORROSION**

within the limit of remaining stocks

|  | ZS500 MD4 | ZS500 MD5 | ZS500 TD5 | ZS500 MD8 | ZS500 TD8 |
|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | |
| Standard model | WH000001 | WH000002 | WH000003 | WH000004 | WH000005 |

## ACCESSORIES INCLUDED IN THE PACK

| Winter cover | PVC fittings 1/2 unions Ø 50 | Adjustable, anti-vibrations feet |
|---|---|---|

## EQUIPMENT

- Vertical blowing
- Polypropylene body
- Digital display
- Heating priority mode (filtration pump control)
- Heatselect Technology : 3 operating modes
- Boost: max power for fast heat-up
- Smart: automatic power adjustment depending on temperature
- Ecosilence: reduced power, further energy savings and lowest noise level
- Automatic cooling mode

- Automatic defrosting (cycle inversion or forced ventilation)
- Anti-freeze thermostat (minimum operating temperature: -12°C)
- HP & LP safety pressure switch
- Water flow switch
- Titanium water exchanger condenser
- Inverter compressor: continuous power adaptation
- Electronic expansion valve
- Refrigerant fluid: R410A

### PERFORMANCE: AIR 28°C / WATER 28°C / HUMID. 80%

| | ZS500 MD4 | ZS500 MD5 | ZS500 TD5 | ZS500 MD8 | ZS500 TD8 |
|---|---|---|---|---|---|
| Operating power (kW @ max-min speed) | 12 - 7.4 | 15.3 - 7.8 | 15.3 - 7 | 20 - 10.5 | 20 - 10.4 |
| Average Consumed power (kW) | 1,2 | 1,6 | | 2,6 | |
| Average COP | 7,6 | 7 | | 6 | |

### PERFORMANCE: AIR 15°C / WATER 26°C / HUMID. 70%

| | ZS500 MD4 | ZS500 MD5 | ZS500 TD5 | ZS500 MD8 | ZS500 TD8 |
|---|---|---|---|---|---|
| Operating power (kW @ max-min speed) | 9.1 - 5.5 | 11.6 - 5.8 | 11.6 - 5.8 | 15 - 7.8 | 15 - 7.7 |
| Average Consumed power (kW) | 1,2 | 1,6 | | 2,4 | |
| Average COP | 5,7 | 5,4 | | 4,8 | |

## TECHNICAL SPECIFICATIONS

| | ZS500 MD4 | ZS500 MD5 | ZS500 TD5 | ZS500 MD8 | ZS500 TD8 |
|---|---|---|---|---|---|
| Recommended pool volume* (m³) | < 65 | < 80 | | < 110 | |
| Average water flow (m³/h) | 4 | 5 | | 6 | |
| Hydraulic connection | PVC 1/2union, Ø 40 or Ø 50, glued | | | | |
| Electric power supply | 230 V / 1 / 50 Hz | | 400V / 3 / 50Hz | 230 V / 1 / 50 Hz | 400 V / 3 / 50 Hz |
| Nominal operating power (A) | 7,5 | 10 | 4,4 | 15 | 6 |
| Maximum operating power (A) | 10 | 13,9 | 6 | 22 | 8 |
| Recommended power cable size ** | 3 x 2.5 | | 5 x 2.5 | 3 x 6 | 5 x 2.5 |
| Refrigerant fluid quantity (Kg) | 1,3 | 1,5 | | 2,4 | 2,6 |
| Acoustic power max-min (dB(A)) | 62 - 54 | 66 - 57 | 66 - 56 | 67 - 53 | 67 - 57 |
| Acoustic pressure at 10m max-min (dB(A)) | 34 - 26 | 38 - 29 | 38 - 28 | 39 - 25 | 39 - 29 |

*Estimated average values for a private pool with isothermal cover, from 15 May to 15 September. For year-round / indoor pool operation, check out the Bilpi sizing tool on your pro page.
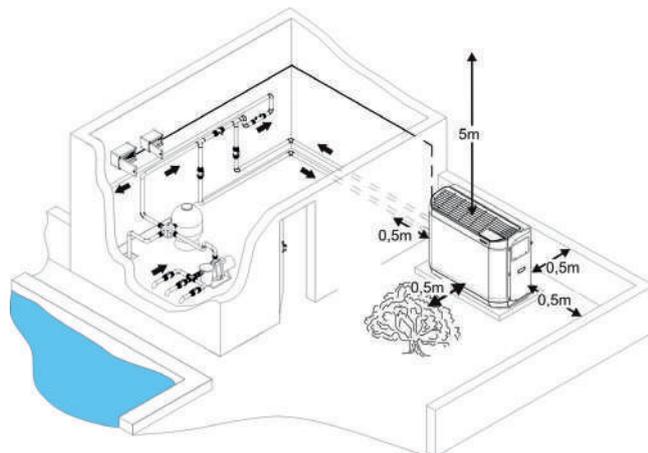**Cable not provided. Recommended section for a maximum length of 20 meters.
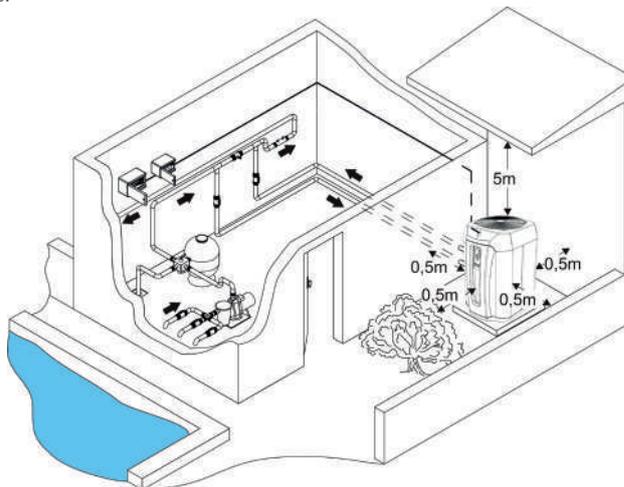
## DIMENSIONS (MM) AND WEIGHT

| | ZS500 MD4 | ZS500 MD5 | ZS500 TD5 | ZS500 MD8 | ZS500 TD8 |
|---|---|---|---|---|---|
| Weight (kg) | 54 | 60 | 60 | 70 | 70 |



## INSTALLATION

- Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).
- On a stable, solid and level surface.

- Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.

## OPTIONAL ACCESSORIES

| | | | | | |
|---|---|---|---|---|---|
| | Winter cover | Cleaning kit HP | Remote control, ZS500 | Technical Room Kit | Condensate tray, ZS500 |
| | Tailored, micro-perforated cover | Specifically formulated for evaporator cleaning. Kit includes an 5L can and a spray bottle | Transfers information and commands of the embedded interface. 20m cable included. | Includes duct, grade, frame and attachment hardware for installation in technical room. | Collects condensate beneath the heat pump. Fixed with wall mounting brackets. |
| reference | R07096 | WMA03491 | WH000201 | WH000202 | R07240 |

# Z500iQ

Heating > Heat Pumps > Z500iQ

**3** YEAR WARRANTY

**5** YEAR CONDENSER WARRANTY ANTI-CORROSION

+ Full inverter technology: silent and economical
+ Fits easily into small spaces
+ Embedded connectivity***

Ti²² TITANE INSIDE | ECO-FRIENDLY | REVERSIBLE | MADE IN EUROPE | iAquaLink CONTROL | OPTIONAL KIT TECHNICAL ROOM

Color to be comfirmed

|  | **Z500iQ MD4** | **Z500iQ MD5** | **Z500iQ TD5** | **Z500iQ MD8** | **Z500iQ TD8** |
|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | |
| Standard model | WH000365 | WH000366 | WH000367 | WH000368 | WH000369 |

## ACCESSORIES INCLUDED IN THE PACK

| Winter cover | PVC fittings 1/2 unions Ø 50 | Adjustable, anti-vibrations feet | Free app*** |
|---|---|---|---|

## EQUIPMENT

- Vertical blowing
- Polypropylene body
- Digital display
- Heating priority mode (filtration pump control)
- Heatselect Technology: 3 operating modes
- Boost: max power for fast heat-up
- Smart: automatic power adjustment depending on temperature
- Ecosilence: reduced power, further energy savings and lowest noise level
- Automatic cooling mode

- Automatic defrosting (cycle inversion or forced ventilation)
- Anti-freeze thermostat (minimum operating temperature: -12°C)
- HP & LP safety pressure switch
- Water flow switch
- Titanium water exchanger condenser
- Inverter compressor: continuous power adaptation
- Electronic expansion valve
- Refrigerant fluid: R410A
- Embedded Wi-Fi + Bluetooth connectivity

### PERFORMANCE: AIR 28°C / WATER 28°C / HUMID. 80%

| Operating power (kW @ max-min speed) | 12 - 7.4 | 15.3 - 7.8 | 15.3 - 7 | 20 - 10.5 | 20 - 10.4 |
|---|---|---|---|---|---|
| Average Consumed power (kW) | 1,2 | 1,6 | | 2,6 | |
| Average COP | 7,6 | 7 | | 6 | |

### PERFORMANCE: AIR 15°C / WATER 26°C / HUMID. 70%

| Operating power (kW @ max-min speed) | 9.1 - 5.5 | 11.6 - 5.8 | | 15 - 7.8 | 15 - 7.7 |
|---|---|---|---|---|---|
| Average Consumed power (kW) | 1,2 | 1,6 | | 2,4 | |
| Average COP | 5,7 | 5,4 | | 4,8 | |

### TECHNICAL SPECIFICATIONS

| Recommended pool volume* (m³) | < 65 | < 80 | | < 110 | |
|---|---|---|---|---|---|
| Average water flow (m³/h) | 4 | 5 | | 6 | |
| Hydraulic connection | PVC 1/2union, Ø 40 or Ø 50, glued | | | | |
| Electric power supply | 230 V / 1 / 50 Hz | | 400V / 3 / 50Hz | 230 V / 1 / 50 Hz | 400 V / 3 / 50 Hz |
| Nominal operating power (A) | 7,5 | 10 | 4,4 | 15 | 6 |
| Maximum operating power (A) | 10 | 13,9 | 6 | 22 | 8 |
| Recommended power cable size ** | 3 x 2.5 | | 5 x 2.5 | 3 x 6 | 5 x 2.5 |
| Refrigerant fluid quantity (kg) | 1,3 | 1,5 | | 2,4 | 2,6 |
| Acoustic power max-min (dB(A)) | 62 - 54 | 66 - 57 | 66 - 56 | 67 - 53 | 67 - 57 |
| Acoustic pressure at 10m max-min (dB(A)) | 34 - 26 | 38 - 29 | 38 - 28 | 39 - 25 | 39 - 29 |

*Estimated average values for a private pool with isothermal cover, from 15 May to 15 September. For year-round / indoor pool operation, check out the Bilpi sizing tool on your pro page.
**Cable not provided. Recommended section for a maximum length of 20 meters. ***iAquaLink™ app availability during the 2020 pool season
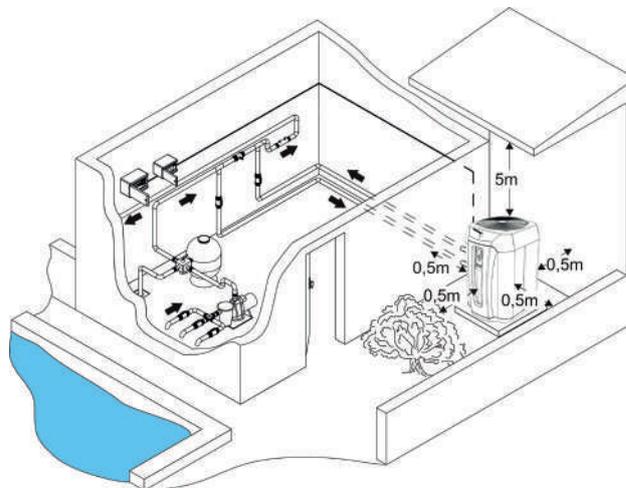
## DIMENSIONS (MM) AND WEIGHT

|  | Z500iQ MD4 | Z500iQ MD5 | Z500iQ TD5 | Z500iQ MD8 | Z500iQ TD8 |
|---|---|---|---|---|---|
| Weight (kg) | 54 | 60 | 60 | 70 | 70 |
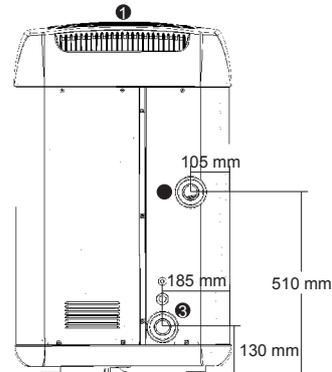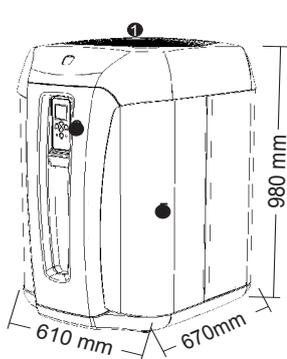
## INSTALLATION

• Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).
• On a stable, solid and level surface.

• Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.



SPARE PARTS **Spare parts p.258**

## OPTIONAL ACCESSORIES

|  | Winter cover | Cleaning kit HP | Technical Room Kit | Condensate tray, Z500iQ |
|---|---|---|---|---|
|  | Tailored, micro-perforated cover | Specifically formulated for evaporator cleaning. Kit includes an 5L can and a spray bottle | Includes duct, grade, frame and attachment hardware for installation in technical room. | Collects condensate beneath the heat pump. Fixed with wall mounting brackets. |
| reference | R07096 | WMA03491 | WH000202 | R07240 |

# Z600 Silent

+ **Always the quietest**
+ **Industrial design, reflecting its strength**
+ **Made to order in Germany**

**2 YEAR WARRANTY**

**5 YEAR CONDENSER WARRANTY ANTI-CORROSION**

SERVICES +  |  TITANE INSIDE Ti·22  |  ECO-FRIENDLY  |  REVERSIBLE  |  MADE IN GERMANY

|  | Z600 Silent MD5 | Z600 Silent MD7 | Z600 Silent TD7 | Z600 Silent TD9 | Z600 Silent TD12 |
|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | |
| Standard model | WH000377 | WH000378 | WH000379 | WH000380 | WH000381 |

## EQUIPMENT

- Horizontal blowing
- Aluminum body, reinforced acoustic protection
- Digital display
- Heating priority mode (filtration pump control)
- Automatic cooling mode
- Automatic defrosting (cycle inversion or forced ventilation)
- Anti-freeze thermostat (minimum operating temperature: -8°C )

- HP & LP safety pressure switch
- Water flow switch
- Titanium water exchanger condenser
- Rotary vane compressor
- Thermostatic expansion valve
- Refrigerant fluid: R410A

| PERFORMANCE:  AIR AT 24°C / WATER AT 27°C / HUMIDITY 80% | | | | | |
|---|---|---|---|---|---|
| Operating power (kW) | 12,4 | 16,2 | | 25,7 | 34,7 |
| Consumed power (kW) | 1,83 | 2,38 | 2,35 | 3,93 | 5,18 |
| COP | 6,7 | 6,8 | | 6,5 | 6,6 |
| PERFORMANCE:  AIR AT 16°C / WATER AT 25°C / HUMIDITY 80% | | | | | |
| Operating power (kW) | 10,2 | 13,8 | | 20,6 | 27,9 |
| Consumed power (kW) | 1,8 | 2,51 | 2,4 | 3,7 | 5 |
| COP | 5,6 | 5,5 | 5,8 | 5,5 | 5,6 |

| TECHNICAL SPECIFICATIONS | | | | | |
|---|---|---|---|---|---|
| Recommended pool volume* (m³) | < 60 | < 80 | | < 120 | < 160 |
| Average water flow (m³/h) | 8 | 9 | | 15 | 17 |
| Hydraulic connection | 3 piece union fitting, PVC, Ø50, glued | | | | |
| Electric power supply | 230 V / 1 / 50Hz | 230 V / 1 / 50 Hz | 400 V / 3 / 50Hz | | |
| Nominal operating power (A) | 9,2 | 12,7 | 5,2 | 8,3 | 10,8 |
| Recommended power cable size ** | 3 x 2.5 | 3 x 4 | 5 x 2.5 | | 5 x 4 |
| Electrical protection | 1P+N 16A | | 3P+N 16A | | |
| Refrigerant fluid quantity (kg) | 0,8 | 1,65 | | 1,8 | 2,8 |
| Acoustic power (dB(A)) | 58 | | 60 | | |
| Acoustic pressure at 10m (dB(A)) | 30 | | 32 | | |

*Estimated average values for a private pool with isothermal cover, from 15 May to 15 September. For year-round / indoor pool operation, check out the Bilpi sizing tool on your pro page.
**Cable not provided. Recommended section for a maximum length of 20 meters.
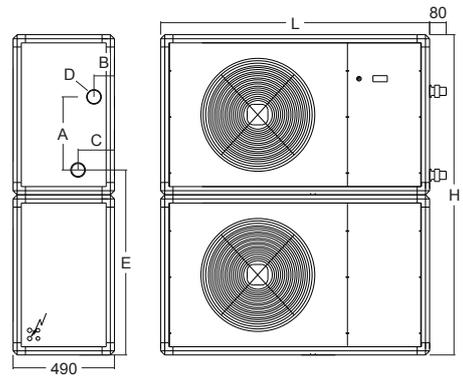
## DIMENSIONS (MM) AND WEIGHT

| | Z600 Silent MD5 | Z600 Silent MD7 | Z600 Silent TD7 | Z600 Silent TD9 | Z600 Silent TD12 |
|---|---|---|---|---|---|
| Weight (kg) | 95 | 106 | 106 | 180 | 212 |
| L | 1300 | 1450 | 1450 | 1450 | 1450 |
| H | 780 | 970 | 1940 | 970 | 1560 |
| A | 384 | 384 | 384 | 384 | 384 |
| B | 97,5 | 97,5 | 97,5 | 97,5 | 97,5 |
| C | 177,5 | 177,5 | 177,5 | 177,5 | 177,5 |
| D | 50 | 50 | 50 | 50 | 50 |
| E | 138 | 138 | 138 | 897 | 1088 |

Z600 Silent MD5 MD7 and TD7



Z600 Silent TD9 and TD12



## INSTALLATION

- Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).

- On a stable, solid and level surface.

- Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.



## OPTIONAL ACCESSORIES

| | | |
|---|---|---|
| | Cleaning kit HP | Remote control, Z600 |
| | Specifically formulated for evaporator cleaning. Kit includes an 5L can and a spray bottle | Transfers information and commands of the embedded interface. (Cable not provided). |
| reference | WMA03491 | R0871200 |

# Z700 Duo

+ A single device to heat both your pool and pool room
+ Substantial energy savings
+ Compact installation

**2** YEAR WARRANTY

**5** YEAR CONDENSER WARRANTY ANTI-CORROSION

SERVICES +

Ti 22 TITANE INSIDE

ECO-FRIENDLY

MADE IN FRANCE

|  | **Z700 Duo MD5** | **Z700 Duo TD5** | **Z700 Duo MD8** | **Z700 Duo TD8** |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | WH000266 | WH000267 | WH000268 | WH000269 |

| ACCESSORIES INCLUDED IN THE PACK | | | |
|---|---|---|---|
| Hydraulic kit | Anti-vibrating pads (x5) | PVC fittings and joints (x2) | Copper fittings and joints (x2) |

| AIR HEATING PERFORMANCE 15°C / HOT WATER COIL 42°C/49°C | | |
|---|---|---|
| **Operating power (kW)** | **9,7** | **12** |
| Consumed power (kW) | 3,5 | 4,2 |
| COP | 2,8 | 2,9 |

| WATER HEATING PERFORMANCE: AIR 15°C / WATER 26°C / HUMID. 70% | | |
|---|---|---|
| **Operating power (kW)** | **12,5** | **15,2** |
| Consumed power (kW) | 2,6 | 3,1 |
| COP | 4,8 | 4,9 |

| TECHNICAL SPECIFICATIONS | | | | |
|---|---|---|---|---|
| Recommended pool volume* ($m^3$) | < 60 | | < 75 | |
| Average water flow ($m^3$/h) | 5,5 | | 6,5 | |
| Electric power supply | 230V / 1 / 50 Hz | 400V / 3 / 50 Hz | 230V / 1 / 50 Hz | 400V / 3 / 50 Hz |
| Recommended power cable size ** | 3 x 10 | 5 x 4 | 3 x 16 | 5 x 6 |
| Maximum operating power with electric heating option (A) | 48 | 18 | 57 | 20,5 |
| Refrigerant fluid quantity (kg) | 4,64 | | 4,75 | |
| Acoustic power (dB(A)) | 67 | | 65 | |
| Acoustic pressure at 10m (dB(A)) | 39 | | 37 | |
| Maximum recommended room volume ($m^3$) | 250 | | 300 | |

*Estimated average values for a private indoor pool at 28°C, with isothermal cover in a temperate area. For different conditions, check out the Bilpi sizing tool on your pro page.
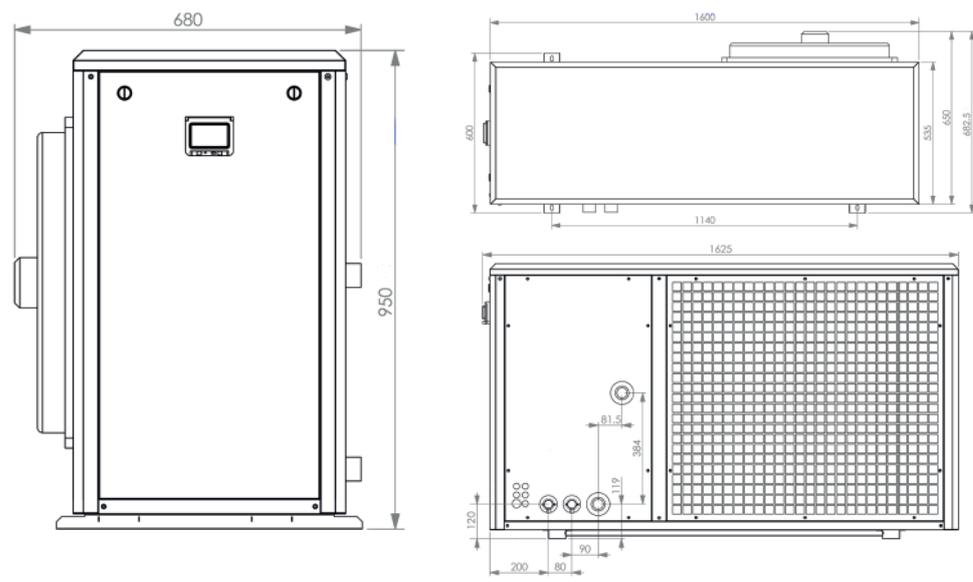**Cable not provided. Recommended section for a maximum length of 20 meters.

## EQUIPMENT

- Dual Purpose heat pump, water heating / air heating, combined with Zodiac dehumidifiers featuring hot water coil
- Horizontal blowing
- Electro plated steel, polyester powder coated body
- Digital display
- Automatic de frosting (cycle inversion)
- Anti-freeze thermostat (minimum operating temperature: -8°C)
- HP & LP safety pressure switch

- Pool water heating circuit: Water flow switch, titanium water exchanger condenser
- Hot water coil feeding: circulating pump, stainless steel water exchanger condenser, 6kW extra electrical heating
- Scroll compressor
- Thermostatic expansion valves
- Refrigerant fluid: R410A

## DIMENSIONS (MM) AND WEIGHT

|  | Z700 Duo MD5 | Z700 Duo TD5 | Z700 Duo MD8 | Z700 Duo TD8 |
|---|---|---|---|---|
| Weight (kg) | 192 | 192 | 205 | 205 |



## INSTALLATION

- Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).
- On a stable, solid and level surface.
- Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.



Hot dry air

Dehumidifier with hot water battery

Hydraulic kit

Air heating circuit

Pool water heating circuit

**Z700 Duo**

## AOPTIONAL ACCESSORIES

|  | Cleaning kit HP | Remote contol, Z700 | Condensate tray, Z700 |
|---|---|---|---|
|  | Specifically formulated for evaporator cleaning. Kit includes an 5L can and a spray bottle | Transfers information and commands of the embedded interface. (Cable not provided). | Collects condensate beneath the heat pump. Fixed with wall mounting brackets. |
| reference | WMA03491 | R07855 | R07856 |

# Power Force

+ Certified performances
+ Variable speed fan, quiet and energy-saving
+ Year-round operation down to -12°C

**NF** HEAT PUMPS · AFNOR CERTIFICATION

**SERVICES +**

**Ti²² TITANE INSIDE**

**ECO-FRIENDLY**

**REVERSIBLE**

**MADE IN EUROPE**

**2 YEAR WARRANTY**

**5 YEAR CONDENSER WARRANTY ANTI-CORROSION**

| | Power Force TD25 | Power Force TD35 |
|---|---|---|
| **PRODUCT REFERENCE** | | |
| Standard model | W20PFORCE25TD | W20PFORCE35TD |

| ACCESSORIES INCLUDED IN THE PACK | |
|---|---|
| PVC fittings unions 63 | Anti-vibrating pads |

### EQUIPMENT

- Horizontal blowing
- Galvanized steel, epoxy painted body
- Digital display
- Heating priority mode (filtration pump control)
- Variable speed fan, automatic speed adjustment
- Automatic cooling mode
- Automatic defrosting (cycle inversion or forced ventilation)
- Anti-freeze thermostat (minimum operating temperature: -12°C )
- HP & LP safety pressure switch
- Water flow switch
- Titanium water exchanger condenser
- Scroll compressor
- Electronic expansion valve
- Refrigerant fluid: R410A

### PERFORMANCE: AIR 28°C / WATER 28°C / HUMID. 80%

| | | |
|---|---|---|
| **Operating power (kW)** | 33 | 45,5 |
| Consumed power (kW) | 6,1 | 8,6 |
| COP | 5,4 | 5,3 |

### PERFORMANCE: AIR 15°C / WATER 26°C / HUMID. 70% NF

| | | |
|---|---|---|
| Operating power (kW) | 28,7 | 37 |
| Consumed power (kW) | 5,6 | 7,6 |
| COP | 5,1 | 4,9 |

### TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Recommended pool volume* (m³) | Contact us | |
| Average water flow (m³/h) | 10 | |
| Hydraulic connection | 3 piece union fitting, PVC, Ø63, glued | |
| Electric power supply | 400V / 3 / 50Hz | |
| Nominal operating power (A) | 10,6 | 12,9 |
| Maximum operating power (A) | 14,2 | 18,1 |
| Recommended power cable size ** | 5 x 4 | |
| Refrigerant fluid quantity (kg) | 6,4 | 6,3 |
| Acoustic power (dB(A)) | 70 | 71 |
| Acoustic pressure at 10m (dB(A)) | 42 | 42 |

**Cable not provided. Recommended section for a maximum length of 20 meters.

## DIMENSIONS (MM) AND WEIGHT

|  | Power Force TD25 | Power Force TD35 |
|---|---|---|
| Weight (kg) | 205 | 205 |
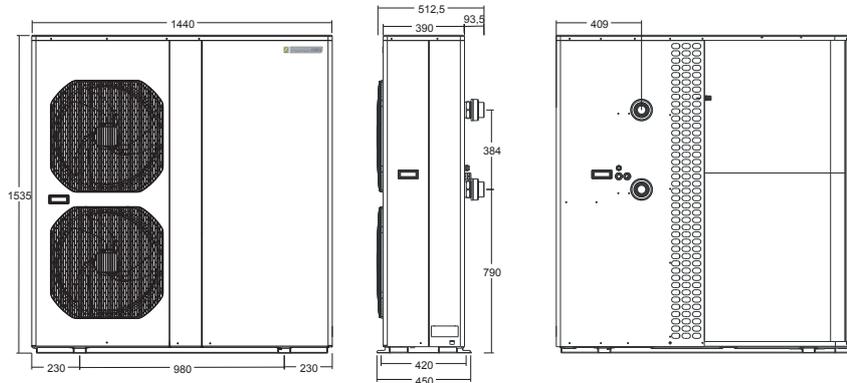


## INSTALLATION

• Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).
• On a stable, solid and level surface.

• Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.
• Use an insulated copper or PER coupling between the heat pump and the dehumidifier.

## OPTIONAL ACCESSORIES

|  | Cleaning kit HP | Remote control, PowerForce | Condensate tray, PowerForce |
|---|---|---|---|
|  | Specifically formulated for evaporator cleaning. Kit includes an 5L can and a spray bottle | Transfers information and commands of the embedded interface. (Cable not provided). | Collects condensate beneath the heat pump. Fixed with wall mounting brackets. |
| reference | WMA03491 | WTC04004 | R07241 |

# Z900

+ Vertical heat-pump for large pools
+ Year-round operation down to -12°C

**SERVICES +**
**Ti·22 TITANE INSIDE**
**ECO-FRIENDLY**
**MADE IN EUROPE**

**2 YEAR WARRANTY**

**5 YEAR CONDENSER WARRANTY ANTI-CORROSION**

|  | **Z900 TD20** | **Z900 TD30** | **Z900 TD50** |
|---|---|---|---|
| **PRODUCT REFERENCE** | | | |
| Standard model | WH000270 | WH000271 | WH000272 |

### ACCESSORIES INCLUDED IN THE PACK

| PVC fittings | Anti-vibrating feets |
|---|---|

### EQUIPMENT

- Vertical blowing
- Steel, epoxy painted body
- Digital display
- Automatic cooling mode
- Automatic defrosting (cycle inversion or forced ventilation)
- Anti-freeze thermostat (minimum operating temperature: -12°C )
- HP & LP safety pressure switch
- Water flow switch
- Titanium water exchanger condenser
- Scroll compressor
- Electronic expansion valve
- Refrigerant fluid: R410A

| **PERFORMANCE: AIR 28°C / WATER 28°C / HUMID. 80%** | | | |
|---|---|---|---|
| **Operating power (kW)** | **51** | **78** | **113,8** |
| Consumed power (kW) | 9,9 | 15,3 | 22,8 |
| COP | 5,1 | | 5 |

| **PERFORMANCE: AIR 15°C / WATER 26°C / HUMID. 70%** | | | |
|---|---|---|---|
| Operating power (kW) | 46,2 | 69,7 | 97 |
| Consumed power (kW) | 10,2 | 15 | 22,9 |
| COP | 4,4 | 4,6 | 4,2 |

| **TECHNICAL SPECIFICATIONS** | | | |
|---|---|---|---|
| Recommended pool volume* (m³) | Contact us | | |
| Average water flow (m³/h) | 15 | 20 | 25 |
| Hydraulic connection | 3 piece union fitting, PVC, Ø63, glued | | 3 piece union fitting, PVC, Ø90, glued |
| Electric power supply | 400V / 3 / 50 Hz | | |
| Nominal operating power (A) | 19,2 | 35 | 43,5 |
| Maximum operating power (A) | 38 | 57 | 69 |
| Recommended power cable size ** | 5 x 10 | 5 x 16 | |
| Refrigerant fluid quantity (kg) | 13,5 | 18,5 | 28,5 |
| Acoustic pressure (dB(A)) | 75 | 77 | 81 |
| Acoustic pressure at 10m (dB(A)) | 47 | 49 | 53 |

**Cable not provided. Recommended section for a maximum length of 20 meters.

## DIMENSIONS (MM) AND WEIGHT

| | Z900 TD20 | Z900 TD30 | Z900 TD50 |
|---|---|---|---|
| Weight (kg) | 430 | 520 | 837 |
| A | 73 | | 97 |
| B | 1450 | | 1730 |
| C | 324 | | 588 |
| D | 179 | | 204 |
| E | 233,5 | | 211 |
| F | 480 | | 755 |
| G | 1965 | | 2091 |
| H | 951 | | 1183 |
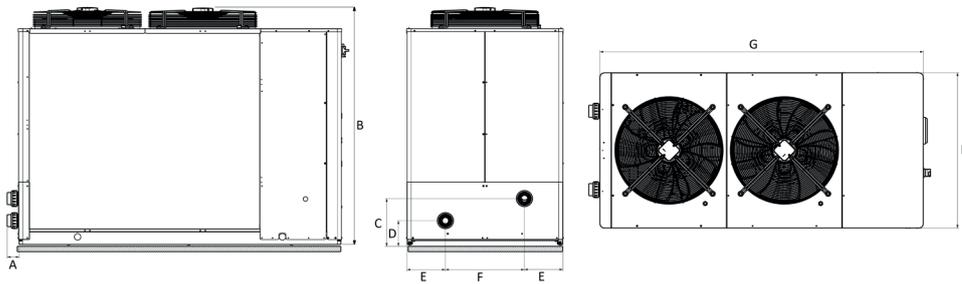
## INSTALLATION

- Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).

- On a stable, solid and level surface.
- Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.
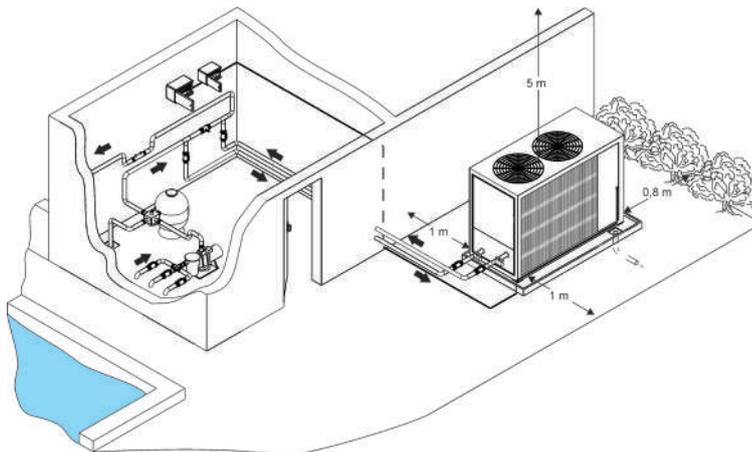


**Spare parts p.262**

## OPTIONAL ACCESSORIES

| | | |
|---|---|---|
| | Cleaning kit HP | Remote control, Z900 |
| | Specifically formulated for evaporator cleaning. Kit includes an 5L can and a spray bottle | Transfers information and commands of the embedded interface. (Cable not provided). |
| reference | WMA03491 | R0770900 |

## > ELECTRIC HEATERS
### The simplest solution for a fast rise in temperature

Easy to install and to use, Zodiac® electric heaters heat your pool rapidly and keep the water at the desired temperature, for a very competitive purchase ex VAT Price. Compact, stand-alone units, they are fitted to the filtration system. Start filtration to raise the temperature (in 2 to 5 days).

### > CHOOSING AN ELECTRIC HEATER

Several parameters should be considered when choosing a suitable electric heater.
Depending on the size of the pool to be heated and the desired use (temperature and period), the power of the system should be adapted, from 3 kW to 120 kW.

In a small technical room, install the system in 'L' configuration. In-line installation limits pressure drops.

To control the desired temperature, there are two types of thermostat: mechanical and digital. Using a complete digital regulator, it is also possible to control timer settings.

The advantage is that it can use just one heating element when the outside temperature is relatively high (summer).

**Ti 22**
**TITANE INSIDE**

**REFERENCE POINT**
All Zodiac® electric heater models are equipped with titanium heating elements, making them very robust.

| COMPARATIVE TABLE OF RANGES | RE/L | RED LINE | RE/U | RE/I |
|---|---|---|---|---|
| Pool size | From 20 to 80 m³ | From 20 to 80 m³ | From 80 to 160 m³ | > 150 m³ |
| Power rating | From 3 to 12 kW | From 3 to 12 kW | From 12 to 24 kW | From 30 to 120 kW |
| Assembly type | L | In line | In line | In line |
| Modular type | - | - | • | • |
| Thermostat type | Mechanical | Digital | Digital | Digital |

# RE/L

Heating > Electric heater > RE/L

+ L-shape, space-saving
+ 1 or 3 phase wiring (on-site configuration)
+ Mechanical thermostat

**2 YEAR WARRANTY**

EASY INSTALLATION | SERVICES + | Ti²² TITANE INSIDE | MADE IN FRANCE

| | **RE/L 3** | **RE/L 6** | **RE/L 9** | **RE/L 12** |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | W40LE03 | W40LE06 | W40LE09 | W40LE12 |

## EQUIPMENT

- Control box
- Rotating mechanical 16-40°C thermostat
- Positive safety high temperature limiters
- Watertightness of electrical resistances with an EPDM collar
- Hypalon moulded electric connections
- Flow switch
- Power contactor
- Single or 3 phase wiring (on-site configuration)
- RE/L 3, 6 and 9: simplified single-phase 230V -50/60Hz / three-phase 400V-50/60Hz power (three-phase 230V on request)
- RE/L 12: 400V-50/60Hz only

## TECHNICAL SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| Maximum vol. (m³)* | 20 | 40 | 60 | 80 |
| Operating power (kW)** | 3 | 6 | 9 | 12 |
| Maximum operating power Tri 400 V (A)*** | 5 | 9 | 13 | 18 |
| Power cable size for tri 400 V (mm2)**** | 5 x 2,5 | 5 x 2,5 | 5 x 4 | 5 x 4 |
| Maximum operating power Mono 230 V (A)*** | 14 | 27 | 40 | |
| Power cable size for Mono 230 V (mm²)**** | 3 x 4 | 3 x 6 | 3 x 10 | |
| Min. flow (m³/h) | 5 | | | |
| Max. flow (m³/h) | 22 | | | |
| Hydraulic connection | PVC Ø 50 ou Ø 63 | | | |

* Private open-air pool, temperate climate with an isothermal cover from May 15th to September 15th. ** Manufacturing tolerance of + or -5%. *** Tolerance operating voltage +6 -10%. Grid power supply. **** For a maximum length of 20 metres.

### DIMENSIONS (MM) AND WEIGHT

| | RE/L 3 | RE/L 6 | RE/L 9 | RE/L 12 |
|---|---|---|---|---|
| Weight (kg) | 4 | 4 | 5 | 5 |



### INSTALLATION

- Shipped with wall-mount bracket.
- In-line PVC hydraulic connection, Ø50 or 63.
- Supports any flow direction: just turn the device to match the water flow direction.



Filter
Water treatment
RE/L
Pump

DISCHARGE | SUCTION
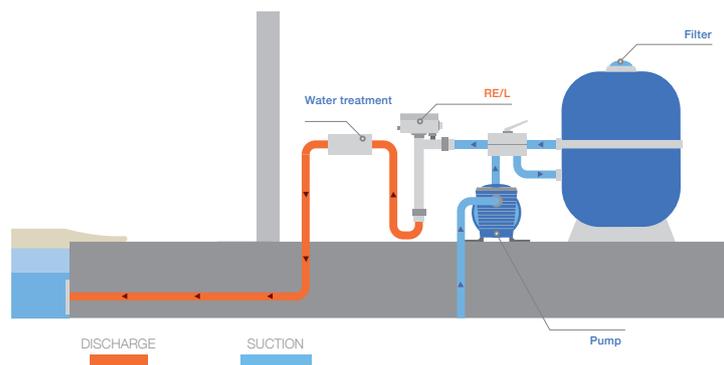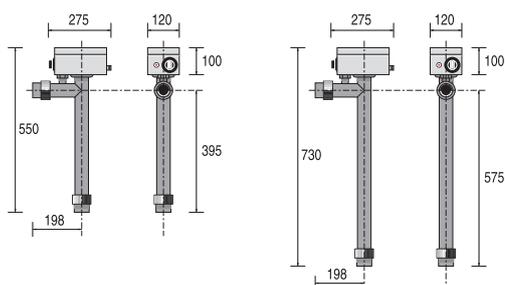
**Spare parts p.281**

# RED LINE

Heating > Electric heater > RED LINE

**2 YEAR WARRANTY**

+ In-line, low pressure drop layout
+ 1 or 3 phase wiring (on-site configuration)
+ Full digital regulation

EASY INSTALLATION  SERVICES+  Ti²² TITANE INSIDE  MADE IN FRANCE

| | REDLINE 3 | REDLINE 6 | REDLINE 9 | REDLINE 12 |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | W40RDE3 | W40RDE6 | W40RDE9 | W40RDE12 |

## EQUIPMENT

- Control box with precision thermostat ± 0.5°C
- Digital display and timer
- Positive safety high temperature limiter
- Watertightness of electrical resistances with an EPDM collar
- Hypalon electric connections
- Flow switch

- Power contactors
- On/Off switch + Indicators
- REDLINE 3, 6 and 9: simplified single-phase 230V-50/60Hz / three phase 400V-50/60Hz power (three-phase 230V on request)
- REDLINE 12: three-phase 400V-50/60Hz only

## TECHNICAL SPECIFICATIONS

| | REDLINE 3 | REDLINE 6 | REDLINE 9 | REDLINE 12 |
|---|---|---|---|---|
| Maximum vol. (m³)* | 20 | 40 | 60 | 80 |
| Operating power (kW)** | 3 | 6 | 9 | 12 |
| Maximum operating power Tri 400 V (A)*** | 5 | 9 | 13 | 18 |
| Power cable size for tri 400 V (mm²)**** | 5 x 2,5 | 5 x 2,5 | 5 x 4 | 5 x 4 |
| Maximum operating power Mono 230 V (A)*** | 14 | 27 | 40 | |
| Power cable size for Mono 230 V (mm²)**** | 3 x 4 | 3 x 6 | 3 x 10 | |
| Min. flow (m³/h) | 5 | | | |
| Max. flow (m³/h) | 30 | | 30 | |
| Hydraulic connection | PVC Ø 50 ou Ø 63 | 1/2 PVC Ø 63 + reduction Ø 50 | | |

\* Private open-air pool, temperate climate with an isothermal cover from May 15th to September 15th. \*\* Manufacturing tolerance of + or -5%. \*\*\* Tolerance operating voltage +6 -10%. Grid power supply. \*\*\*\* For a maximum length of 20 metres.

## DIMENSIONS (MM) AND WEIGHT

| Weight (kg) | 4 |
|---|---|

80 mm
222 mm
100 mm

452 (3 & 6 kw)
552 (9 & 12 kw) w kw
538 (3 & 6 kw)
638 (9 & 12 kw) w kw
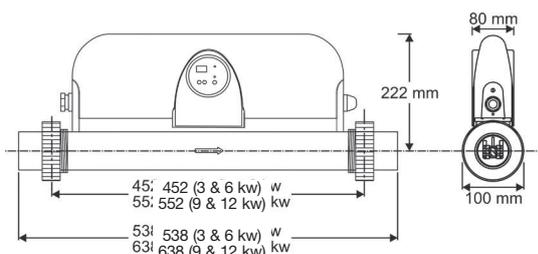
Spare parts p.280

## INSTALLATION

- In-line connection with two PVC unions, Ø63, and reducers, Ø63-50.
- Supports any flow direction: just turn the device to match the water flow direction.

Filter
Redline
Water treatment
Pump

DISCHARGE  SUCTION

# RE/U

Heating **>** Electric heater **>** RE/U

+ Full digital regulation
+ 2-stage power management
+ Maximum robustness

EASY INSTALLATION  SERVICES +  Ti²² TITANE INSIDE  MADE IN FRANCE

**2 YEAR WARRANTY**

| | RE/U 12M | RE/U 15M | RE/U 15T | RE/U 18T | RE/U 21T | RE/U 24T |
|---|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | | |
| Standard model | W40TIT12M | W40TIT15M | W40TIT15 | W40TIT18 | W40TIT21 | W40TIT24 |

## EQUIPMENT

- Control box with precision thermostat ± 0.5°C
- Digital display and timer
- Positive safety high temperature limiter
- Pin water tightness using EPDM collars
- HYPALON electric connections
- Flow switch

- Power contactors
- Luminous control switches + indicators
- Pin water tightness using EPDM collars
- Single-phase 230V-50/60Hz or three-phase 400 V depending on model

## TECHNICAL SPECIFICATIONS

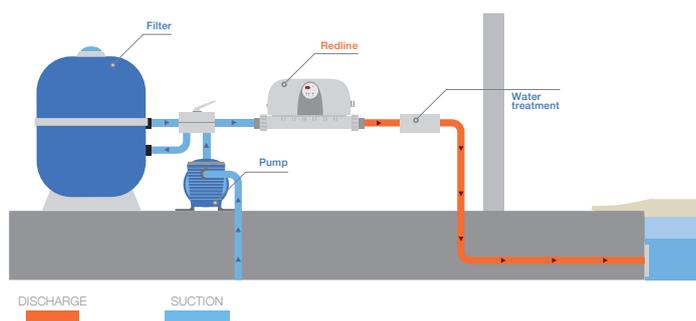| | | | | | | |
|---|---|---|---|---|---|---|
| Maximum vol. (m³)* | 80 | 100 | 100 | 120 | 140 | 160 |
| Operating power (kW)** | 6 + 6 | 6 + 9 | 6 + 9 | 9 + 9 | 9 + 12 | 12 + 12 |
| Absorbed intensity (A)*** | 53 | 66 | 22 | 26 | 31 | 35 |
| Section câble d'alimentation (mm²)**** | 3 x 16 | 3 x 16 | 5 x 6 | 5 x 6 | 5 x 10 | 5 x 10 |
| Min. flow (m³/h) | 5 | | | | | |
| Max. flow (m³/h) | 22 | | | | | |
| Hydraulic connection | PVC Ø 50 ou Ø 63 | | | | | |

\* Private open-air pool, temperate climate with an isothermal cover from May 15th to September 15th. ** Manufacturing tolerance of + or -5%. *** Tolerance operating voltage +6 -10%. Grid power supply. **** For a maximum length of 20 metres.

## DIMENSIONS (MM) AND WEIGHT

| Weight (kg) | 12 |
|---|---|

600
800
143
385
640

## INSTALLATION

- In-line PVC hydraulic connection, Ø63 (exterior) or Ø50 (interior).

- Supports any flow direction: just turn the flow switch and reverse the control and safety sensors.



Filter
RE/U
Water treatment
Pump
DISCHARGE   SUCTION

**Spare parts p.282**

# RE/I

+ Full digital regulation
+ 2-stage power management
+ Maximum robustness

**EASY INSTALLATION**

**SERVICES +**

**Ti 22 TITANE INSIDE**

**MADE IN FRANCE**

**2 YEAR WARRANTY**
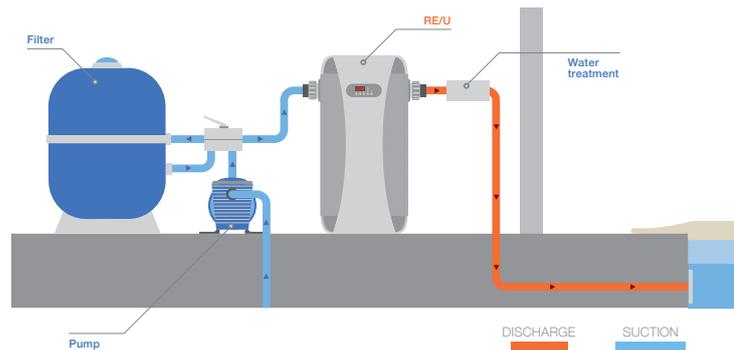
| | Mid Power | | | | High Power | | | |
|---|---|---|---|---|---|---|---|---|
| | RE/I 30T | RE/I 36T | RE/I 42T | RE/I 48T | RE/I 60T | RE/I 84T | RE/I 96T | RE/I 120T |
| **PRODUCT REFERENCE** | | | | | | | | |
| Standard model | W40TIT30 | W40TIT36 | W40TIT42 | W40TIT48 | W40TIT60 | W40TIT84 | W40TIT96 | W40TIT120 |

## EQUIPMENT

- Control box with precision thermostat ±0.5°C
- Digital display and timer
- Positive safety high temperature limiters
- Watertightness of electrical resistances with an EPDM collar
- HYPALON electric connection
- Flow switch
- Power contactors
- Luminous control switches
- U format allowing an easy assembly and water retention
- Factory installed power modulation (2 manual stages)
- Three-phase wiring 400V-50/60Hz only

## TECHNICAL SPECIFICATIONS

| | RE/I 30T | RE/I 36T | RE/I 42T | RE/I 48T | RE/I 60T | RE/I 84T | RE/I 96T | RE/I 120T |
|---|---|---|---|---|---|---|---|---|
| Maximum vol. (m³)* | Contact us | | | | | | | |
| Voltage | 400V/3N/50Hz | | | | | | | |
| Operating power (kW)** | 12 + 18 | 12 + 24 | 18 + 24 | 24 + 24 | 24 + 36 | 36 + 48 | 48 + 48 | 60 + 60 |
| Absorbed intensity (A) *** | 44 | 52 | 61 | 70 | 87 | 122 | 139 | 174 |
| Water flow (m³/h) | 20 à 30 | | | | 30 à 50 | | | |
| Hydraulic connection | PVC half-unions, ø 63, glued | | | | 2 flanges, DN 80, with glued PVC fitting, Ø 90 | | | |

\* Carry out a complete thermal assessment before going further. ** Tolerance operating voltage +6 -10%. Grid power supply. *** Manufacturing tolerance of + or -5%.

## DIMENSIONS (MM) AND WEIGHT

| | RE/I 30T | RE/I 36T | RE/I 42T | RE/I 48T | RE/I 60T | RE/I 84T | RE/I 96T | RE/I 120T |
|---|---|---|---|---|---|---|---|---|
| Weight (kg) | 30 | 30 | 33 | 33 | 49 | 51 | 53 | 58 |



RE/I medium power (RE/I 30 to 48)      RE/I high power (RE/I 60 to 120)
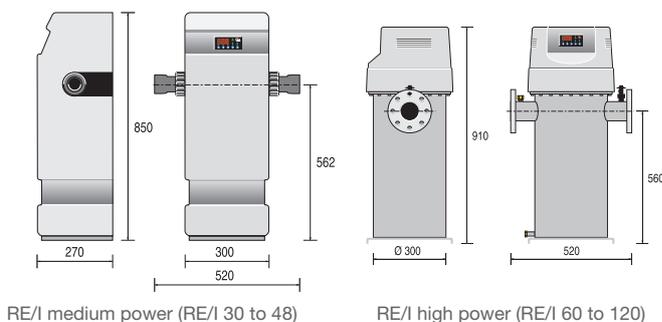
## INSTALLATION

- In-line hydraulic connection with two PVC unions, Ø63 (RE/I 30 à 48), or two flanges, DN80 (RE/I 60 à 120).
- Supports any flow direction: just turn the flow switch and reverse the control and safety sensors.
- Plan on installing a by-pass if the filter pump flow is greater than 50 m3
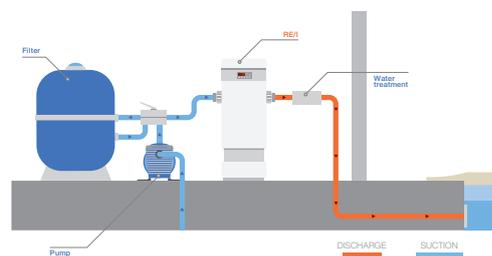


**SPARE PARTS** Spare parts p.282

# > HEAT EXCHANGERS
## Heating the pool using the domestic heating

Installed close to the boiler, Zodiac® heat exchangers use the heating circuit in the house to heat the water in the swimming pool.
**Very financially advantageous**, they are also very efficient and provide a **rapid temperature rise** (1 to 2 days).

**Heat Line Plus**

**Uranus pre-assembled titanium plates**

**Ti 22 TITANE INSIDE**

**REFERENCE POINT**
All Zodiac® heat exchangers are fitted with titanium pipes and plates making them very robust.

## > CHOOSING A HEAT EXCHANGER

Several parameters are considered when choosing a heat exchanger. Depending on the size of the pool to be heated, the desired use (temperature and period) and temperature of the primary heating circuit, the appropriate heat exchanger should be selected.

Zodiac® heat exchangers are **compatible with all domestic heating systems.**
With more than 17 models, they are suitable for all installations.

| COMPARATIVE TABLE OF RANGES | HEAT LINE | | | URANUS+ | |
|---|---|---|---|---|---|
| | Unequipped | Plus, without circulating pump | Plus, with circulating pump | Unequipped | Plus |
| Application | All heating types | | | All heating types | |
| Power with primary at 90°C | From 20 to 70 kW | | | From 35 to 240 kW | |
| Power with primary at 45°C | From 4 to 14 kW | | | From 13 to 57 kW | |
| Assembly type | In line without bypass | | | L with bypass | |
| Heat exchanger type | Titanium multi-tube | | | Titanium plates | |
| Power pack | | • | • | | • |
| Flow switch | | • | • | | • |
| Regulation | | • | • | | • |
| Circulating pump | | | • | | • |

# Heat Line - Unequipped, Plus without circulating pump & with circulating pump

**2 YEAR WARRANTY**

+ Compatible with all types of home heating systems
  (Heat Pump, Boiler, Geothermal, Solar)
+ Versatile installation concept
+ Digital regulation

**EASY INSTALLATION**

**SERVICES +**

**Ti²² TITANE INSIDE**

**MADE IN FRANCE**

Unequipped

Plus with regulation and circulating pump

Plus with regulation and without circulating pump

| | HEATLINE 20 | HEATLINE 40 | HEATLINE 70 |
|---|---|---|---|
| **PRODUCT REFERENCE** | | | |
| Unequipped | W49NT20 | W49NT40 | W49NT70 |
| Plus, without circulating pump | W49KT20W | W49KT40W | W49KT70W |
| Plus, with circulating pump | W49KT20 | W49KT40 | W49KT70 |

## EQUIPMENT

- Injected noryl Polyamide casing
- TITANIUM tubes
- Check valve
- Low consumption circulating pump, A class [1]
- Reversible interface (allowing right or left pool water inlet)
- Flow switch [2]
- Pre-wired electric box with 230 V plug [2]
- Digital regulation [2]
- Reversible installation layout

(1) On «Plus» models with circulating pump (2) On «Plus» models with and without circulating pump

| **TECHNICAL SPECIFICATIONS** | | | |
|---|---|---|---|
| Maximum vol. (m³)* | 50 | 120 | 200 |
| Power with primary at 90°C (kW) | 20 | 40 | 70 |
| Power with primary at 60°C (kW) | 8,5 | 17 | 30 |
| Power with primary at 45°C (kW) | 4 | 8 | 14 |
| Max. pressure (pool circuit) | 2 bar | | |
| Max. permitted temperature | 90 °C | | |

| **CONNECTIONS** | | | |
|---|---|---|---|
| PRIMARY Heating (Unequipped model) | Ø26/34 F / Ø26/34 M | Ø26/34 F - Ø26/34 M | Ø26/34 F / Ø26/34 M |
| SECONDARY Pool | PVC Ø63 ou 50 | | |

| **FLOW (m³/h)** | | | |
|---|---|---|---|
| PRIMARY Heating | 0,9 | 1,7 | 3 |
| SECONDARY Pool | 10 | 15 | 20 |

| **LOAD LOSS (MMCE)** | | | |
|---|---|---|---|
| PRIMARY Heating | 150 | 200 | 300 |
| SECONDARY Pool | 500 | 800 | 1000 |

* Private open-air pool, temperate climate with an isothermal cover and primary at 90°C from May 15th to September 15th

## DIMENSIONS (MM) AND WEIGHT

|  | HEATLINE 20 | HEATLINE 40 | HEATLINE 70 |
|---|---|---|---|
| Unequipped | 3 kg | 3 kg | 4 kg |
| Plus, without circulating pump | 4 kg | 4 kg | 5 kg |
| Plus, with circulating pump | 6,5 kg | 7 kg | 12 kg |



Heat Line Unequipped

Heat Line Plus with circulating pump

Heat Line Plus without circulating pump
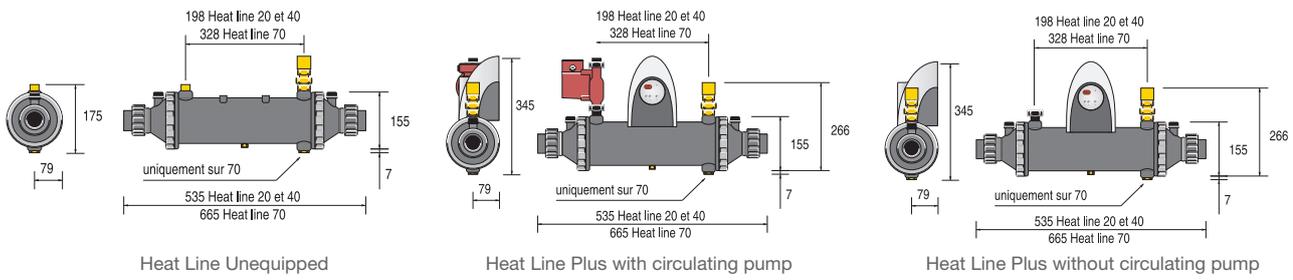
## INSTALLATION

- In the technical facility nearby the boiler at the filtering system output (without a by-pass).
  Horizontal in-line position on the pipe. Primary supply from above.
- Single-phase electric power supply 230V
- Primary and secondary circuits' flow may be reversed by turning the exchanger.
- Special cases: exchanger powered using solar panels.
- The exchanger must be chosen according to pool heating requirements, exchanger specifications with primary at 45 °C or 60 °C (see specifications table) and power returned by the solar panels. In all cases, the exchanger must be supplied from a solar tank installed between the panels and the exchanger.
- Heat Line exchangers are not compatible with direct connection to solar panels.
- Caution: maximum primary source temperature = 90 °C Maximum pressure = 2 bar Exchanger installed with existing wall-mounted boiler or with boiler whose regulator is in the boiler's interior.



**SPARE PARTS** Spare parts p.284
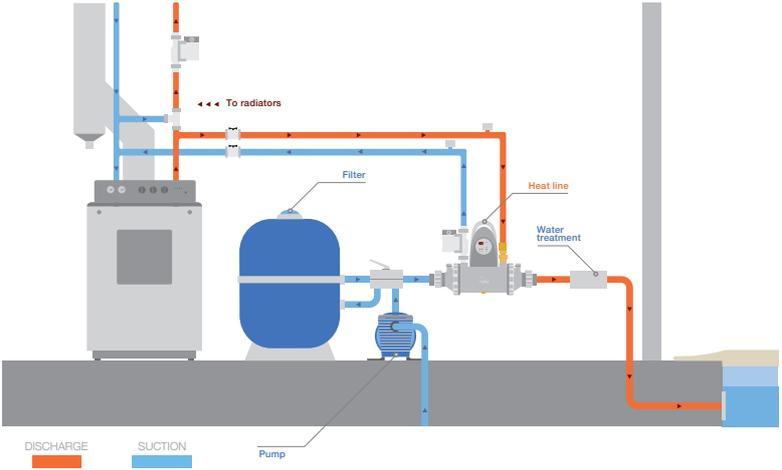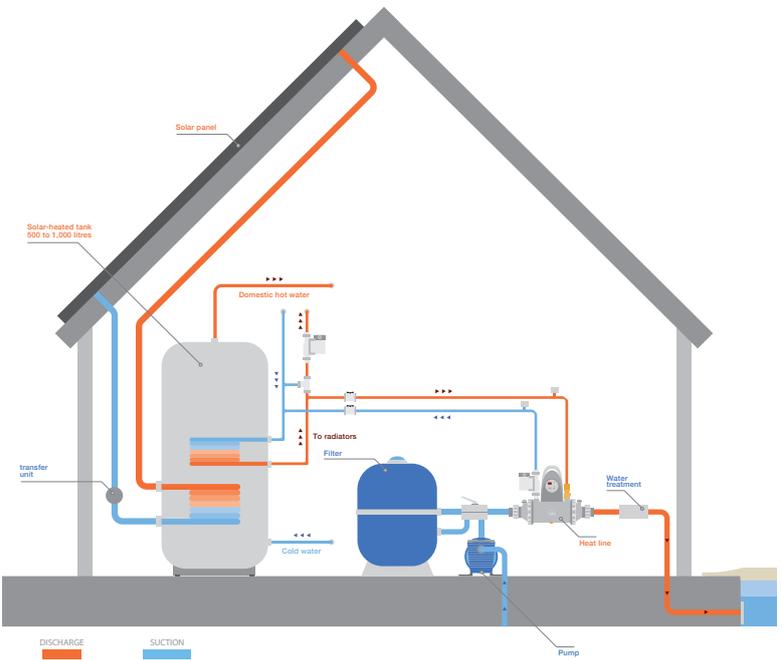
**HEATING**

# Uranus + Unequipped and Plus

Heating > Plate heat exchanger > Unequipped and Plus

**2 YEAR WARRANTY**

+ Compatible with all types of home heating systems
  (Heat Pump, Boiler, Geothermal, Solar)
+ High heat exchange
+ Digital regulation

EASY INSTALLATION

SERVICES +

Ti·22 TITANE INSIDE

MADE IN FRANCE

URANUS PLUS

URANUS Unequipped

|  | URANUS 35 | URANUS 70 | URANUS 120 | URANUS 240 |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Unequipped | WJ000001 | WJ000003 | WJ000005 | WJ000007 |
| Plus | WJ000002 | WJ000004 | WJ000006 | WJ000008 |

## EQUIPMENT

- Appliance completely assembled and wired
- High performance plate exchanger TITANIUM plates
- PRIMARY with adjustable accelerator 2 1/4 turn valves, 1 valve - male thread. Ø 26/34 with Ø 20/22 soldering cartridges
- SECONDARY - PVC Ø 50

- Digital display thermostat
- Flow switch
- Mono 230 V wiring from a mains outlet
- Purge or emptying cap

## TECHNICAL SPECIFICATIONS

|  | | | | |
|---|---|---|---|---|
| Power with primary at 90°C (kW) | 55 | 80 | 120 | 240 |
| Power with primary at 60°C (kW) | 27 | 38 | 63 | 123 |
| Power with primary at 45°C (kW) | 15 | 21 | 34 | 68 |
| Max. pressure (pool circuit) | 3 bar / 2 bar | | | |
| Max. permitted temperature | 90 °C / 40°C | | | |

## CONNECTIONS

|  | | | | |
|---|---|---|---|---|
| PRIMARY Heating (Unequipped model) | Ø20/22 | Ø20/22 | Ø20/22 | Ø26/28 |
| SECONDARY Pool | PVC Ø50 | PVC Ø50 | PVC Ø50 | PVC Ø50 |

## FLOW (m³/h)

|  | | | | |
|---|---|---|---|---|
| PRIMARY Heating | 1,6 | 2,1 | 2,8 | 6,3 |
| SECONDARY Pool | 2 | 2,9 | 4,3 | 8,7 |

## LOAD LOSS (MMCE)

|  | | | | |
|---|---|---|---|---|
| PRIMARY Heating | 1500 | 1200 | 1000 | 2000 |
| SECONDARY Pool | 2400 | 2300 | 2500 | 3800 |

## WEIGHT

| | URANUS 35 | URANUS 70 | URANUS 120 | URANUS 240 |
|---|---|---|---|---|
| Unequipped | 14 kg | 15 kg | 17 kg | 31 kg |
| Plus | 29 kg | 30 kg | 31 kg | 50 kg |

## DIMENSIONS (MM) UNEQUIPPED MODEL

| | URANUS 35-70-120 | URANUS 240 |
|---|---|---|
| Lht | 255 | 407 |
| L2 | 140 | 200 |
| L3 | 50 | 60 |
| Hht | 380 | 500 |
| H1 | 339 | 429 |
| H2 | 41 | 75 |
| H3 | 298 | 357 |
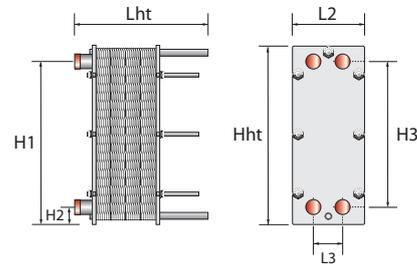
## DIMENSIONS (MM) PLUS MODEL

| | URANUS 35-70-120 | URANUS 240 |
|---|---|---|
| A | 758 | 840 |
| B | 334 | 347 |
| C | 415 | 480 |
| D | 116 | 137 |
| E | 414 | 494 |
| F | 250 | 250 |
| G | 200 | 450 |
| H | 127 | 148 |
| I | 50 | 60 |
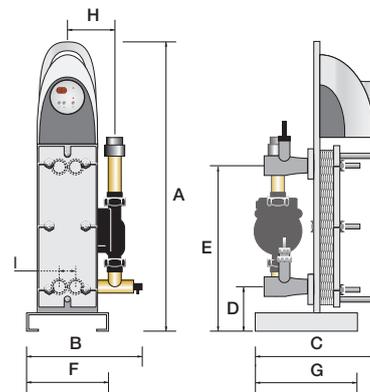
## INSTALLATION

- In the technical facility nearby the boiler at the filtering system output (plan a by-pass).
- Single-phase electric power supply 230V
- In special cases: exchanger supplied from a geothermal or heat pump.
- The exchanger must be sized taking into account the heating needs of the pool, the specifications of the exchangers with primary at 45°C or 60°C (see specifications table) and the power of the geothermal. For correct operation of the geothermal we recommend installing a buffer tank as shown in the diagram below.
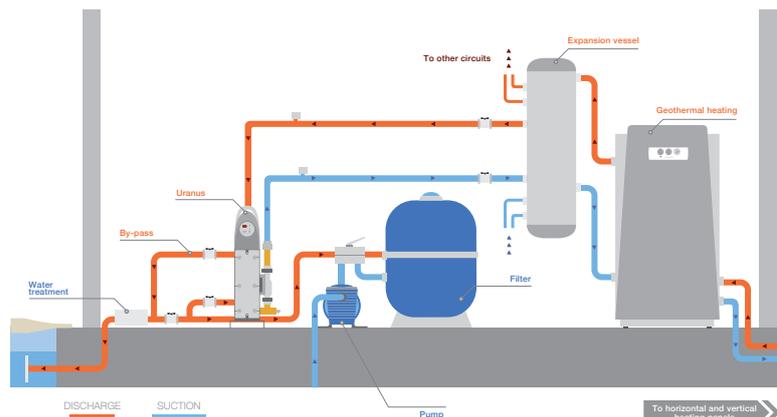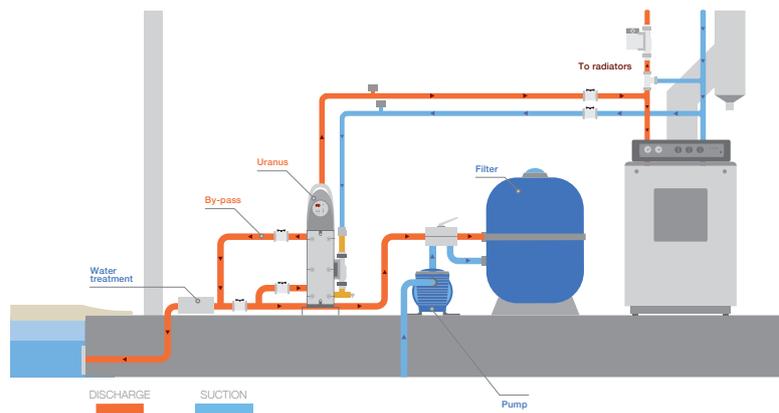
**Spare parts p.286**

# Dehumidification

# > THE RIGHT DEHUMIDIFIER FOR EVERY POOL

A room or veranda sheltering a pool is a place where **the relative humidity in the air is high.** Water vapour trapped inside condenses on the cold walls, forming water droplets and condensation, while the air is progressively saturated with humidity. There are many consequences of these phenomena: **appearance of mould, peeling, rusting, etc.** To ensure the comfort of bathers and long life of an indoor pool, **it is essential to install a dehumidifier.**

## > SWIMMING POOLS IN CONSERVATORIES

Given the large area of glazed surfaces in a conservatory, it is strongly recommended to install a dehumidifier system with a system of ducts fitted around the room.

## > COVERED POOLS

- **For use from March to November:** a simple dehumidifier, free-standing or fitted, combined with a cover can ensure a comfortable atmosphere.
  The ambient air can be heated as necessary, but it is generally the sun's rays that increase the air temperature.

- **For use throughout the year:** only a gas or oil boiler, accompanied by a dehumidifier unit with a hot water coil installed in a room close to the shelter, can keep bathers comfortable throughout the year.

## > SPAS

In a room housing a private pool, there is very often a spa, either integrated or independent of the pool. In this case, the quantity of water evaporated by the spa must be added to that evaporated by the pool and fit the appropriate equipment .

## > PROFESSIONAL SWIMMING POOLS

The greater use and higher water temperature of this type of pool causes a much greater level of evaporation. Calculating evaporation here requires complete understanding of the parameters and equipment to conduct a thermal audit.

**Important:** it is essential to ensure replacement of fresh air at a minimum of 22 $m^3$/hr per person.

## 3 CRITERIA TO BE MET FOR OPTIMUM COMFORT:

1. **Water temperature:** from 26°C to 30°C, or higher for medical or professional uses.

2. **Air temperature:** from 26°C to 30°C, often set to the same value as the water temperature.

3. **Relative humidity:** between 60% and 70%. Below 60%, it feels too cool when getting out of the water. Above 70%, it feels too muggy and condensation forms in the room.

# > 3 TYPES OF DEHUMIDIFYING SYSTEMS

Zodiac® offers a wide range of solutions, split into three categories: **free-discharge, through-the-wall and ducted units.**
All these systems operate on the principle of the heat pump: drawing in warm, moist air and blowing out warmer, dry air.

Free-discharge systems

Through-the-wall systems

Ducted systems

Ducted systems with air renewal

## > FREE-DISCHARGE UNITS

These monoblock DT or Sirocco systems are **designed for small volumes and require no ducting.** The units can be placed **in the room housing the pool**, more than 2 metres from the pool.

This free-discharge solution is the **simplest and most economical** for maintaining the relative humidity at a comfortable 65% level in the room. However, it is not effective in dealing with condensation on the windows.

**DT 850 E**

**SIROCCO Free-discharge**

**Through-the-wall DF**

**Through-the-wall SIROCCO**

## > THROUGH-THE-WALL

These Sirocco or DF monoblock systems are installed **in an adjacent plant room through the walls.** Only an inlet grille and an outlet grille are visible in the pool room.

This simple solution allows the **dehumidifier to be installed outside the pool hall (plant room adjacent to the pool)** but does not deal effectively with condensation on the windows.

## > DUCTED MODELS

A ducted system (DF or unit) is the only solution for **dealing effectively with condensation on the windows,** because it is possible to fit outlet grilles along the glazed walls.

Only these grilles are visible in the pool room while the equipment itself can be installed **in the nearby plant room.**

**Ducted DF**

**Ducted CAE**

**Ducted OMEGA**

## > DUCTED MODELS WITH AIR RENEWAL

These ducted units, marketed under the SET brand, **also manage air renewal in the pool** (and any surrounding spaces) and heating in the pool room with no need for additional equipment. Introducing fresh air from outside, with or without static energy **means you save energy**. This solution is designed for all pools with large glazed areas and for professional swimming pools.

**This solution is designed for all pools with large glazed areas** and for professional swimming pools.

We offer an entire series of complementary accessories to enable you to build your complete installation:
- ventilation accessories
- inlet and outlet grilles
- ducts and diffusers

## > DEHUMIDIFIERS
### A silent installation

### > EXPRESSING THE NOISE LEVEL WITH PRECISION

Sound level is expressed:

- Either **as acoustic power dB(A):** this is the unmodified noise level of the emitting source.

- Or **as acoustic pressure dB(A):** this is the sound level perceived by the human ear.
    It depends on the installation environment and distance at which the measurement is made.
    It must therefore always include a measuring distance.

The further you are from the emitting source, the more the sound level falls: it is reduced by 6 dB(A) for every doubling of the distance.

**Acoustic power**
66 dB(A)

**Acoustic pressure**

| 2.5 m | 5 m | 10 m |
|---|---|---|
| 50 dB(A) | 44 dB(A) | 38 dB(A) |
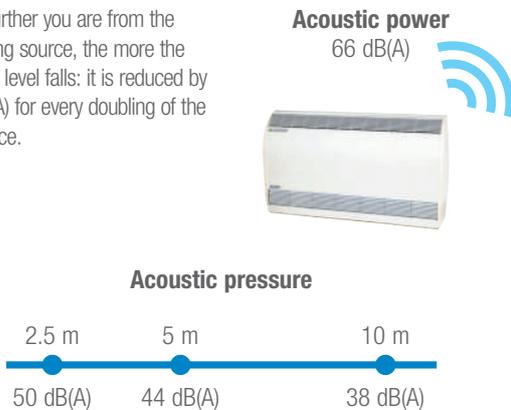
**To compare the noise level of several machines, check what type of value you have, power or pressure, and if it is pressure then at what distance was it measured!**

**NOISE SCALE**

SEUIL DE DANGER — 90 dB(A)
SEUIL DE RISQUE — 80 dB(A)
— 70 dB(A)
— 60 dB(A)
— 50 dB(A)
— 40 dB(A)
— 30 dB(A)
— 20 dB(A)
— 10 dB(A)
SEUIL D'AUDIBILITÉ — 0 dB(A)
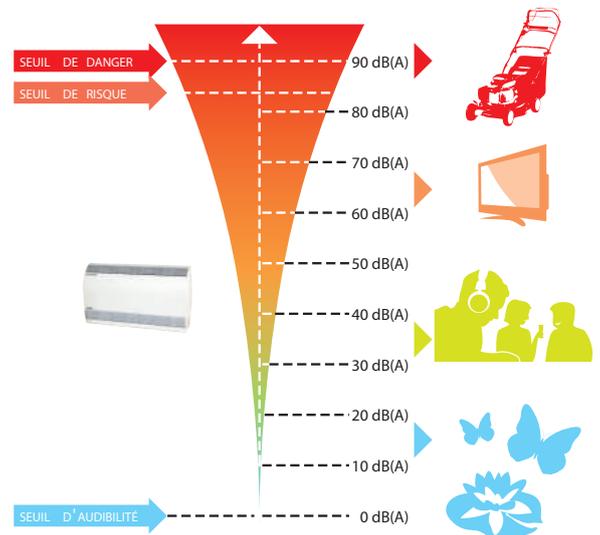
### > REDUCE NOISE TRANSMISSION THROUGH THE DUCTS

Special attention will be given to the aeraulic networks:

- **Size the ducts appropriately for the air flow**, limit turbulent sections, provide straight lines between each turbulent section.
- **Reduce the transmission of vibrations through the ducts:**
    - Install sleeves where they pass through walls,
    - Use anti-vibration collars to support ducts,
    - Use flexible couplings between the equipment and the duct network.
- **Size the inlet and outlet grilles** appropriately for the air flow rates passing through them.
  Provide expansion chambers between the grille and the duct.
- **Fit a sound trap**, if necessary, in the outlet ducts, particularly to avoid the noise propagating.

**Example of duct installation**

## > DEHUMIDIFIERS
### A silent installation


**Support frame**


**Anti-vibration blocks**

### > RECOMMENDATIONS FOR INSTALLING A DEHUMIDIFIER

A dehumidifier system includes 'moving' parts (compressor, fan, etc.), vibrations from which can spread and build up.
A ducted unit installed in a plant room will provide the best possible noise solution.

**However, to avoid or reduce disturbances, a few installation rules should be observed:**

- **Install the dehumidifier on suitable anti-vibration blocks.** Renew them if necessary, because they lose effectiveness over time.

- **Install the system** either on a mounting base independent from the building and weighing twice as much as the dehumidifier, or on a very rigid support frame.

## > HELPING YOU SELECT AND WORK OUT THE REQUIRED DIMENSIONS OF YOUR EQUIPMENT

### > OUR DESIGN OFFICE IS THERE FOR YOU EVERY DAY:

- **A team of technicians will advise you** in selecting products, working out the necessary dimensions, and installing them.

- To help develop your business, **we carry out almost 40,000 surveys each year!**

- **You benefit from unique expertise on dehumidification** for indoor pools, and for all your "Added Value" projects (equipment, accessories, ducted systems, etc.).

- The design office will help you to keep track of **"turnkey" projects** (quotes, plans, advice).



**SERVICES +**

**REFERENCE POINT**
Zodiac® offers service solutions to help you. Find these services in this catalogue using this pictogram.
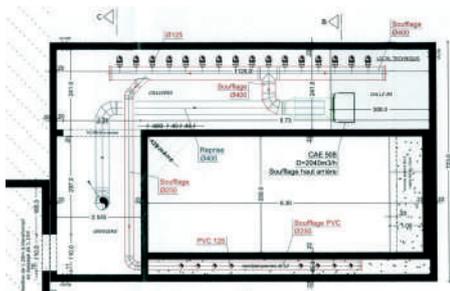


### Create your plans in AUTOCAD !

Autocad is well-known to architects and others working in construction, and is used to create clear, accurate and versatile plans. Increase your chances of success significantly by using our teams' expertise in this field!

## > HYGRO CONTROL
### Simple dehumidification

Hygro Control is a hygro-thermostat designed exclusively by Zodiac® **for easy and intuitive control of the dehumidification equipment.**

**REFERENCE POINT**
Find Zodiac® dehumidification products equipped with the Hygro Control function by locating this pictogram in the catalogue.

### > HOW DOES IT WORK?

Hygro Control is an accurate and easy to use digital control unit for **setting the desired relative humidity.** Relative humidity characterises the moisture in the air, specifically the quantity of water present as gas in the air in the room or conservatory housing the pool.

If the dehumidifier is fitted with the 'heating' option, Hygro Control can also set the room air temperature.

The unit is supplied with every dehumidifier*. Mounted on the wall, it is connected to the dehumidifier.

* Except the DT 850 E model.

**Air temperature setting**     **Relative humidity setting**     **Dehumidifier**
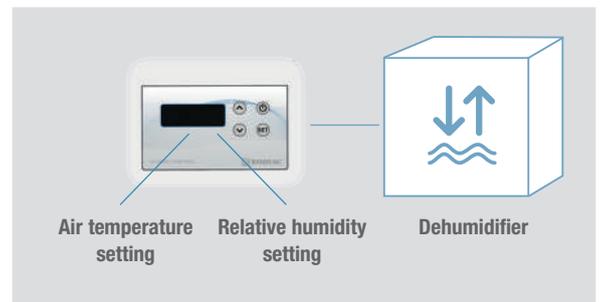
**STANDARD INSTALLATION**
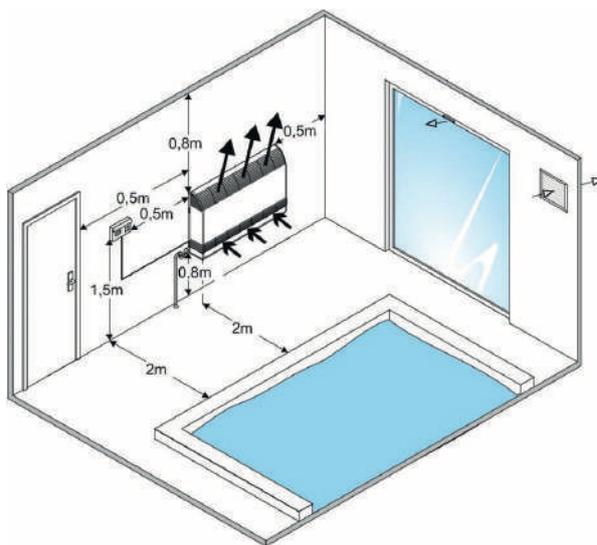
Example of an installation with a SIROCCO Free-discharge console

- Hygro Control should be installed at least 50cm from the outlet
- Do not put it above the system (SIROCCO) or above an outlet grille (CAE, DF, OMEGA)
- It should be at least 1.5m from the floor

Equipping a pool with a good roof and a suitable ventilation system for the room increases the efficiency of the dehumidification system.

# DT 850 E Free-discharge

+ Ideal for small pools
+ All-in-one, free-standing design: easy to install
+ Regulation with digital display

**2 ANS GARANTIE**

INSTALLATION FACILE

SERVICES +

TOUS TYPES DE SPAS

## DT 850 E

### PRODUCT REFERENCE

| Standard model | W28DT850E410 |
|---|---|

### EQUIPMENT

- Indoor, single block dehumidifier, to be installed in the area to be treated
- Sealed type thermodynamic circuit
- Very silent centhree phasefuge turbine
- Hermetic compressor with built-in protection
- Thermostatic defrosting using forced ventilation
- Electronic regulation using a built-in hygrometer
- Thermoformed anti-rust casing
- Washable air filter
- 2 ventilation speeds

### TECHNICAL SPECIFICATIONS

| Capacity (l/h) | 2,2 |
|---|---|
| Absorbed power* (W) | 915 |
| Operating power* (W) | 2500 |
| Acoustic pressure at 5m (dB(A)) | 22 |
| Air flow (m³/h) | 500 |
| Electric power supply | 230 V / 1 / 50 Hz |
| Absorbed intensity (A) | 4,15 |
| Refrigerant fluid | R410A |
| Refrigerant fluid quantity (kg) | 0,71 |

*in the following nominal conditions: air 30°C, humidity 70%.
For the best operation of the dehumidifier we recommend changing the filter every year.

### DIMENSIONS (MM) AND WEIGHT

| | DT 850 E |
|---|---|
| Weight (kg) | 37 |

### OPTIONAL ACCESSORIES

| | Filter  DT 850 / DT 850 E |
|---|---|
| reference | W28FIDT5 |

750 mm
660 mm
345 mm

SPARE PARTS **Spare parts p.293**
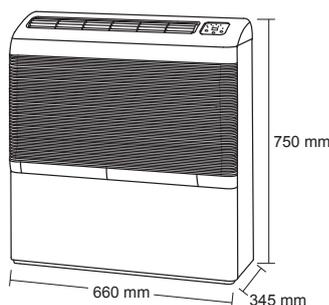
DEHUMIDIFICATION

# Sirocco Free-discharge

Dehumidification > Sirocco - Free-discharge

+ All-in-one design, wall mounted in the pool hall
+ Available in 3 capacities (2,3 to 4,6 l/h)
+ Air heating options (electric heating or hot water coil)

**2 ANS GARANTIE**

INSTALLATION FACILE

HYGRO CONTROL

SERVICES +
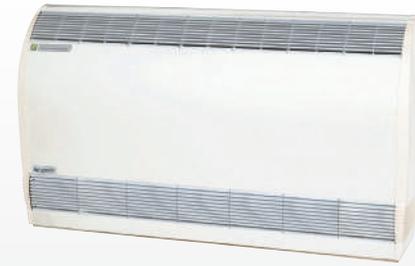
| | SIROCCO 55M Free-discharge | SIROCCO 80M Free-discharge | SIROCCO 110M Free-discharge | SIROCCO 110T Free-discharge |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | W28SI55A | W28SI80A | W28SI110A | W28SI110AT |
| Model with electric heating option | W28SI55AE | W28SI80AE | W28SI110AE | W28SI110AET |
| | 2kW | 3kW | 4,5 kW | 4,5 kW |
| Model with hot water coil option | W28SI55AB | W28SI80AB | W28SI110AB | W28SI110ABT |
| | 6kW | 9kW | 12kW | 12kW |

## ACCESSORIES INCLUDED IN THE PACK

Hygro control box

## TECHNICAL SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| Capacity (l/h)* | 2,3 | 3,3 | 4,6 | |
| Absorbed power* (W) | 990 | 1100 | 1340 | |
| Operating power* (W) | 2080 | 2310 | 2810 | |
| Acoustic pressure at 5m (dB(A))** | 45,7 | 44,7 | 44,2 | |
| Air flow (m³/h) | 600 | 800 | 1000 | |
| Electric power supply | 230 V / 1 / 50 Hz | | | 400 V / 3N / 50 Hz |
| Nominal operating intensity (A)*** | 4,45 | 5,05 | 6,35 | 2,8 |
| Max. absorbed intensity (A)*** | 5,9 | 8 | 9,8 | 3,8 |
| Refrigerant fluid | R407C | | | |
| Refrigerant fluid quantity (kg) | 0,47 | 0,74 | 0,87 | |
| Evacuation of condensate | Flexible tube Ø12/18 | | | |

\* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.
\*\* Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.
\*\*\* Excluding the power consumption of electric heating options.

## HOT WATER COIL SPECIFICATIONS

| | SIROCCO 55M Free-discharge | SIROCCO 80M Free-discharge | SIROCCO 110M Free-discharge | SIROCCO 110T Free-discharge |
|---|---|---|---|---|
| Power (kW) with primary at 90/70°C | 6 | 9 | 12 | 12 |
| Power (kW) with primary at 45/40°C | 2,1 | 2,6 | 3,3 | 3,3 |
| Water flow (m³/h) with primary at 90/70°C | 0,25 | 0,42 | 0,53 | 0,53 |
| Load loss (mmCE) with primary 90/70°C | 410 | 370 | 650 | 650 |
| Connection (mm) | 15 / 21 male thread | | | |

## INSTALLATION

- The heating of the area can be included as an option, either using a hot water coil or by electric heating.
- Dehumidifier unit to be installed in the pool hall at more than 2 metres from the pool.

**Spare parts p.293**

Installation of an appliance with the hot water coil option
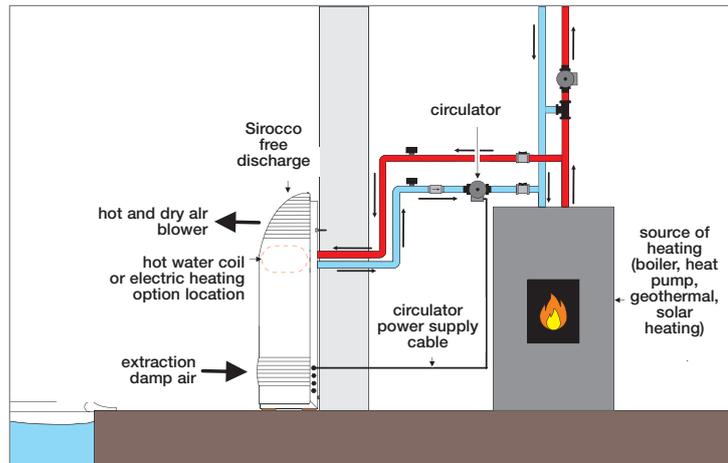


## DIMENSIONS (MM) AND WEIGHT

| | SIROCCO 55M Free-discharge | SIROCCO 80M Free-discharge | SIROCCO 110M Free-discharge | SIROCCO 110T Free-discharge |
|---|---|---|---|---|
| A | 1030 | 1220 | 1410 | 1410 |
| Number of grates | 2 x 5 | 2 x 6 | 2 x 7 | 2 x 7 |
| Weight (kg) (basic model) | 65 | 75 | 85 | |
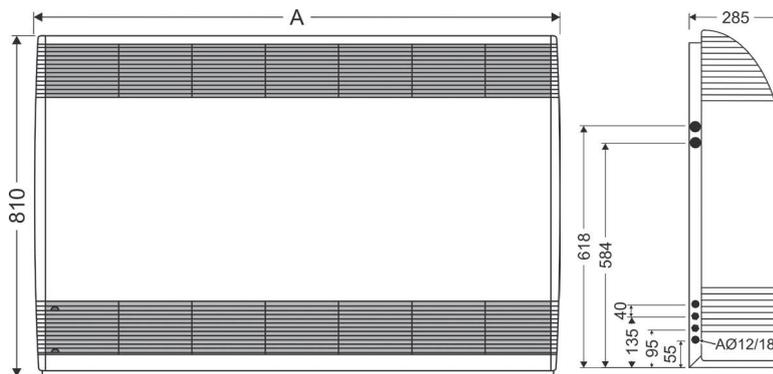


### OPTIONAL ACCESSORIES

| | Filter Sirocco 55M/55T Free-discharge | Filter Sirocco 80M/80T Free-discharge | Filter Sirocco 110M/110T Free-discharge |
|---|---|---|---|
| reference | WSD01913 | WSD01914 | WSD01915 |

For the best operation of the dehumidifier we recommend changing the filter every year.

# Sirocco Through-the-wall

Dehumidification > Sirocco - Through-the-wall

**2 ANS GARANTIE**

+ Easy intallation, hidden in an adjacent technical room
+ Available in 3 capacities (2,3 to 4,6l/h)
+ Air heating options (electric heating or hot water coil)

SERVICES + | HYGRO CONTROL | INSTALLATION FACILE

|  | SIROCCO 55M Through-the-wall | SIROCCO 80M Through-the-wall | SIROCCO 110M Through-the-wall | SIROCCO 110T Through-the-wall |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | W28SI55E | W28SI80E | W28SI110E | W28SI110ET |
| Model with electric heating option | W28SI55EE | W28SI80EE | W28SI110EE | W28SI110EET |
|  | 2 kW | 3 kW | 4,5 kW | 4,5 kW |
| Model with hot water coil option | W28SI55EB | W28SI80EB | W28SI110EB | W28SI110EBT |
|  | 6 kW | 9 kW | 12 kW | 12 kW |

## ACCESSORIES INCLUDED IN THE PACK

Hygro control box

## TECHNICAL SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| Capacity (l/h) | 2,3 | 3,3 | 4,6 | |
| Absorbed power* (W) | 990 | 1100 | 1340 | |
| Operating power* (W) | 2080 | 2310 | 2810 | |
| Acoustic pressure at 5m (dB(A))** | 45,7 | 44,7 | 44,2 | |
| Air flow (m³/h) | 600 | 800 | 1000 | |
| Electric power supply | 230 V / 1 / 50 Hz | | | 400 V / 3N / 50 Hz |
| Nominal operating intensity (A)*** | 4,45 | 5,05 | 6,35 | 2,8 |
| Max. absorbed intensity (A)*** | 5,9 | 8 | 9,8 | 3,8 |
| Refrigerant fluid | R407C | | | |
| Refrigerant fluid quantity (kg) | 0,47 | 0,74 | 0,87 | |
| Evacuation of condensate | Flexible tube Ø12/18 | | | |

* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.
** Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.
*** Excluding the power consumption of electric heating options.

## HOT WATER COIL SPECIFICATIONS

|  | SIROCCO 55M Through-the-wall | SIROCCO 80M Through-the-wall | SIROCCO 110M Through-the-wall | SIROCCO 110T Through-the-wall |
|---|---|---|---|---|
| Power (kW) with primary at 90/70°C | 6 | 9 | 12 | 12 |
| Power (kW) with primary at 45/40°C | 2,1 | 2,6 | 3,3 | 3,3 |
| Water flow (m³/h) with primary at 90/70°C | 0,25 | 0,42 | 0,53 | 0,53 |
| Load loss (mmCE) with primary 90/70°C | 410 | 370 | 650 | 650 |
| Connection (mm) | 15 / 21 male thread | | | |

## INSTALLATION

- The Through-the-wall Sirocco is installed in the technical room adjacent to the pool hall.
- Only the extraction and the blower grates are visible from the pool hall.
- Heating in the technical room can be incorporated optionally: either by hot water coil, or via electrical resistance.
- Minimum Free-discharge operating temperature : +10°C.

**Spare parts p.293**

Installation of an appliance with the hot water coil option.
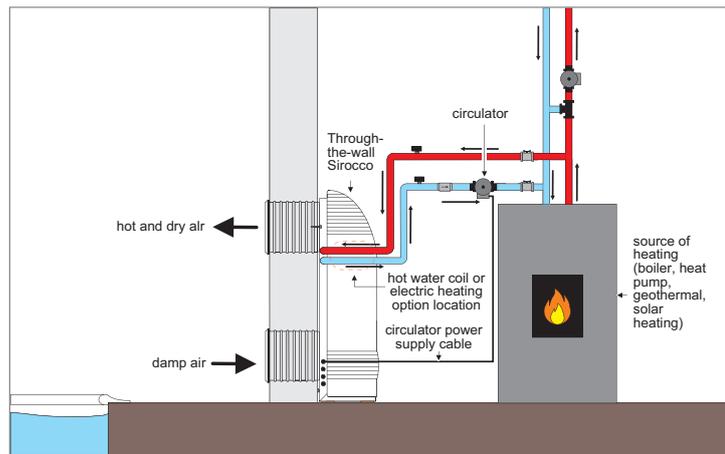
## DIMENSIONS (MM) AND WEIGHT

|  | SIROCCO 55M Through-the-wall | SIROCCO 80M Through-the-wall | SIROCCO 110M Through-the-wall | SIROCCO 110T Through-the-wall |
|---|---|---|---|---|
| A | 1030 | 1220 | 1410 | |
| B | 620 | 810 | 1000 | |
| C : Anchor points | 653 | 843 | 1033 | |
| Space: Tolerance +2/-0 mm | 618 x 165 | 808 x 165 | 998 x 165 | |
| Number of grates | 2 x 3 | 2 x 4 | 2 x 5 | |
| Weight (kg) (basic model) | 65 | 85 | 75 | 75 |
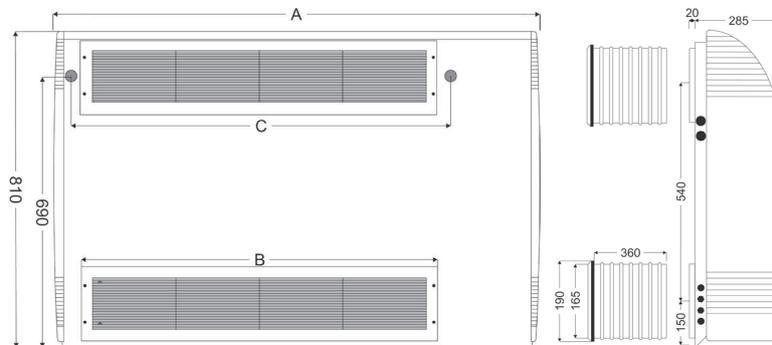


### OPTIONAL ACCESSORIES

|  | Filter Sirocco 55M/55T Through-the-wall | Filter Sirocco 80M/80T Through-the-wall | Filter Sirocco 110M/110T Through-the-wall |
|---|---|---|---|
| reference | WSD01911 | WSD01912 | WSD01913 |

For the best operation of the dehumidifier we recommend changing the filter every year.

**DEHUMIDIFICATION**

# DF Through-the-wall
## Through-the-wall horizontal system

Dehumidification > DF Through-the-wall

**2 ANS**
GARANTIE

+ Hidden installation without ducts, for simplified project design
+ Available in 3 capacities (3.5 to 8 l/h)
+ Air heating options (electric heating or hot water coil)

INSTALLATION FACILE
HYGRO CONTROL
SERVICES +

|  | DF 403M Through-the-wall | DF 405M Through-the-wall | DF 405T Through-the-wall | DF 408M Through-the-wall | DF 408T Through-the-wall |
|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | |
| Standard model | W28DF403ME | W28DF405ME | W28DF405TE | W28DF408ME | W28DF408TE |
| Model with electric heating option | W28DF403MEE | W28DF405MEE | W28DF405TEE | W28DF408MEE | W28DF408TEE |
|  | 4,5 kW | 4,5 kW | 4,5 kW | 4,5 kW | 9 kW |
| Model with hot water coil option | W28DF403MEB | W28DF405MEB | W28DF405TEB | W28DF408MEB | W28DF408TEB |
|  | 12kW | 12kW | 12kW | 14 kW | 14 kW |

## ACCESSORIES INCLUDED IN THE PACK

Hygro control box

## TECHNICAL SPECIFICATIONS

| Capacity (l/h) | 3,5 | 5 | 8 | | |
|---|---|---|---|---|---|
| Absorbed power* (W) | 1500 | 1860 | 2600 | | |
| Operating power* (W) | 3600 | 4465 | 6240 | | |
| Air flow (m³/h) | 1300 | | 1700 | | |
| Electric power supply | 230 V / 1 / 50 Hz | | 400 V / 3N / 50 Hz | 230 V / 1 / 50 Hz | 400 V / 3N / 50 Hz |
| Max. absorbed intensity (A)** | 13,2 | 16,1 | 7,3 | 24,8 | 9,5 |
| Refrigerant fluid | R407C | | | | |
| Refrigerant fluid quantity (kg) | 1,18 | 1,21 | 1,52 | | |

For all DF orders a deposit of 30% will be requested with the order.
* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.
** Excluding the power consumption of electric heating options.

## OPTIONAL ACCESSORIES

|  | Double deflector supply grade | Register + double deflector grade | Chassis support DF | Remote control electrical unit |
|---|---|---|---|---|
| reference | WTT02365 | WTT02369 | WTO04000 | W28DEPORT |

## HOT WATER COIL SPECIFICATIONS

| | DF 403M Through-the-wall | DF 405M Through-the-wall | DF 405T Through-the-wall | DF 408M Through-the-wall | DF 408T Through-the-wall |
|---|---|---|---|---|---|
| Power (kW) with primary 50-40 °C/90-70°C | 4,6/14,6 | | | 5,5/17,6 | |
| Water flow (m³/h) with primary at 90/70°C | 0,65 | | | 0,78 | |
| Load loss (mmCE) with primary 90/70°C | 55 | | | 78 | |
| Connection (mm) | 20 / 27 male thread | | | | |

## INSTALLATION

- Installation in a technical room nearby the pool hall.
- Blower and intake grates mounted on the part to be mortared included with the appliance.
- Possibility of double deflector grates to direct the hot dry air towards the windows.
- Hot water coil assembled inside the appliance (option).
- Extra electric heating using incorporated electric heating elements (option).
- Filter on the intake.
- Reversible installation: right-hand (standard) or left-hand (optional) access to the technical door.

**Spare parts p.294**

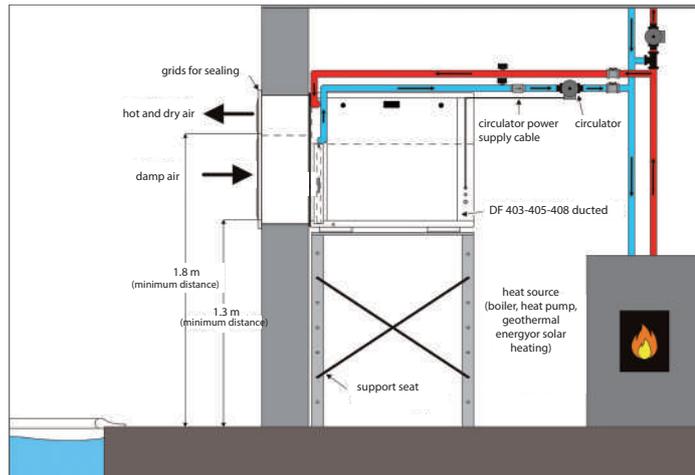**Installation of an appliance with the hot water coil option.**



## DIMENSIONS (MM) AND WEIGHT

| | DF 403M Through-the-wall | DF 405M Through-the-wall | DF 405T Through-the-wall | DF 408M Through-the-wall | DF 408T Through-the-wall |
|---|---|---|---|---|---|
| Weight (kg) (basic model) | 129 | 130 | 130 | 133 | 133 |

DF



Access panel as standard for electrical connections

Air flow

Grate to be mortared
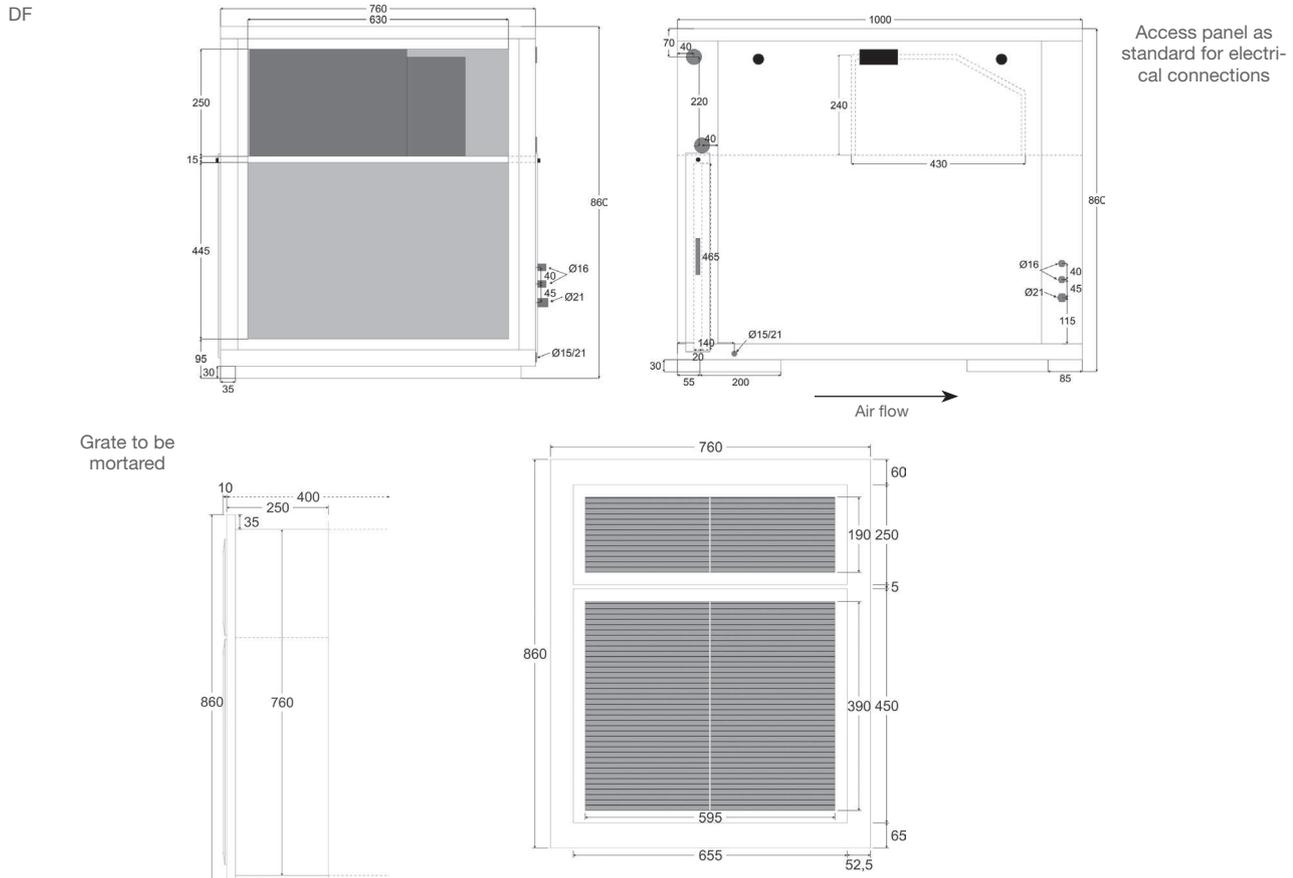
# DF ducted 403 - 408 Horizontal ducted system

Dehumidification > DF ducted 403 - 408 - Horizontal ducted system

**2 ANS** GARANTIE

+ Horizontal, ducted installation
+ Available in 5 capacities (3.5 to 12l/h)
+ Air heating options (electric heating or hot water coil)

HYGRO CONTROL

SERVICES +

| | DF 403M ducted | DF 405M ducted | DF 405T ducted | DF 408M ducted | DF 408T ducted |
|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | |
| Standard model | W28DF403MG | W28DF405MG | W28DF405TG | W28DF408MG | W28DF408TG |
| Model with electric heating option | W28DF403MGE | W28DF405MGE | W28DF405TGE | W28DF408MGE | W28DF408TGE |
| | 4,5 kW | 4,5 kW | 4,5 kW | 4,5 kW | 9 kW |
| Model with hot water coil option | W28DF403MGB | W28DF405MGB | W28DF405TGB | W28DF408MGB | W28DF408TGB |
| | 15 KW | 15 KW | 15 KW | 18kW | 18kW |

## ACCESSORIES INCLUDED IN THE PACK

Hygro control box

## TECHNICAL SPECIFICATIONS

| | | | |
|---|---|---|---|
| Capacity (l/h) | 3,5 | 5 | 8 |
| Absorbed power* (W) | 1500 | 1860 | 2600 |
| Operating power* (W) | 3600 | 4465 | 6240 |
| Sound power (dB(A))** | | 71,5 | 73,6 |
| Air flow (m³/h) | | 1300 | 1700 |
| Available pressure (mmCE) | | 10 | |
| Electric power supply | 230 V / 1 / 50 Hz | 400 V / 3N / 50 Hz | 230 V / 1 / 50 Hz | 400 V / 3N / 50 Hz |
| Max. absorbed intensity (A)*** | 13,2 | 16,1 | 7,3 | 24,8 | 9,5 |
| Refrigerant fluid | | R407C | |
| Refrigerant fluid quantity (kg) | 1,18 | 1,21 | 1,52 |
| Evacuation of condensation | | PVC Ø 32 1/2 union to glue | |

For all DF orders a deposit of 30% will be requested with the order.
* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.
** Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.
*** Excluding the power consumption of electric heating option.

## HOT WATER COIL SPECIFICATIONS

|  | DF 403M ducted | DF 405M ducted | DF 405T ducted | DF 408M ducted | DF 408T ducted |
|---|---|---|---|---|---|
| Power (kW) with primary 50-40 °C/90-70°C | 4,6/14,6 | | | 5,5/17,6 | |
| Water flow (m³/h) with primary at 90/70°C | 0,65 | | | 0,78 | |
| Load loss (mmCE) with primary 90/70°C | 55 | | | 78 | |
| Connection (mm) | 20 / 27 male thread | | | | |

## INSTALLATION

- Installation in a technical room nearby the pool hall.
- Blower and intake grates mounted on the part to be mortared included with the appliance.
- Duct diameter: Ø 315 mini or 400 x 200.
- Possibility of double deflector grates to direct the hot dry air towards the windows.
- Reversible installation: right-hand (standard) or left-hand (optional) access to the technical door.
- Hot water coil and electric heating options are integrated outside the air outlet which adds a thickness to the installation. It is highly recommended to integrate these options during first installation.
- Added thickness:
  For electric heating option
  DF403– 408 : 145mm
  For hot water coil option
  DF403 – 408 : 90mm

**SPARE PARTS** Spare parts p.294

**Installation of an appliance with the hot water coil option (models 403 to 412).**
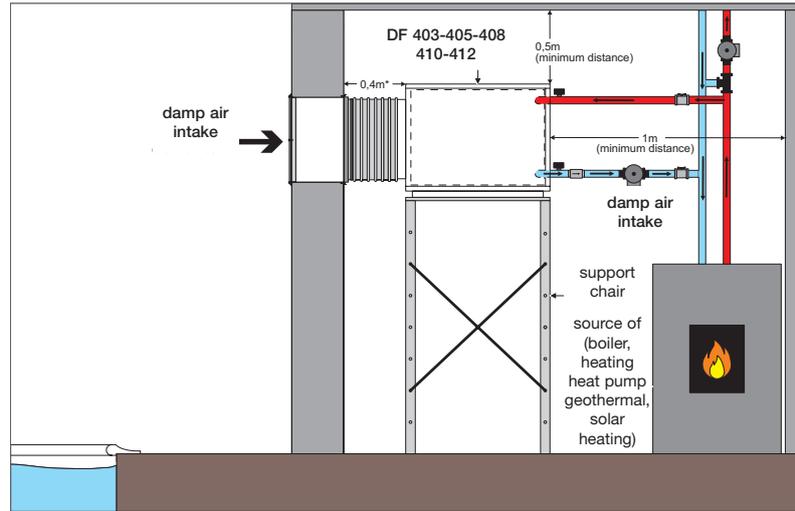


## DIMENSIONS (MM) AND WEIGHT

|  | DF 403M ducted | DF 405M ducted | DF 405T ducted | DF 408M ducted | DF 408T ducted |
|---|---|---|---|---|---|
| Weight (kg) | 113 | 113 | 113 | 117 | 117 |



Access panel as standard for electrical connections

Air flow
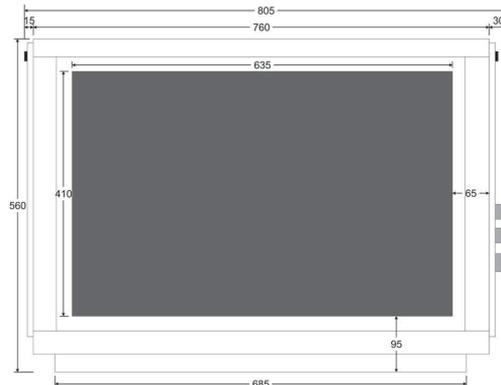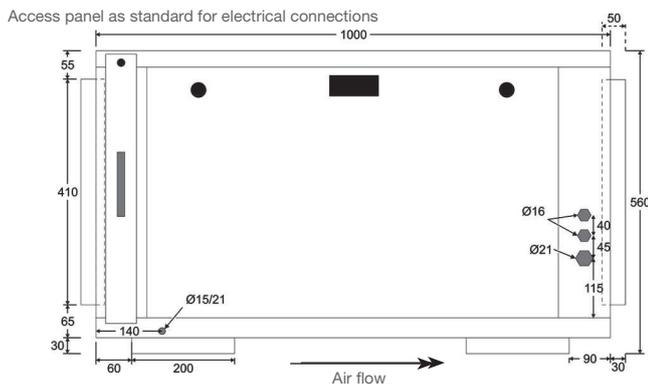
## OPTIONAL ACCESSORIES

|  | Double deflector supply grade [1] | Vertical angle 90° [2] | Outlet DF Ø 315 [3] | Outlet DF Ø 400 [3] | Standard outlet 625 x 425 [4] | Circular sound trap with core Ø 315 | Sound trap rectangular length 500 mm [5] | DF Chassis support | Remote control electrical unit |
|---|---|---|---|---|---|---|---|---|---|
| reference | WCH03716 | WCH03717 | WCH03715 | WCH03729 | WTT02355 | WCH03681 | WCH03718 | WTO04000 | W28DEPORT |
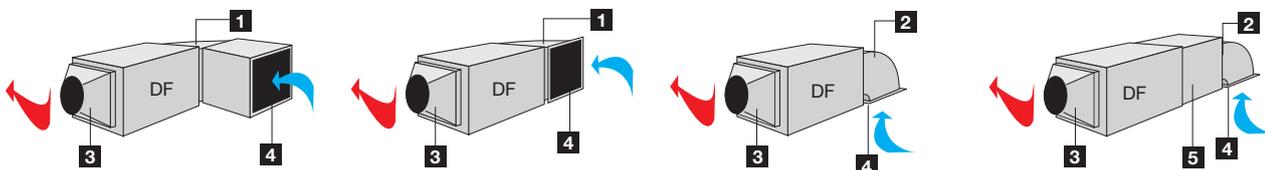
# DF ducted 410 - 412 Horizontal ducted system

**2 ANS GARANTIE**

+ Horizontal, ducted installation
+ Available in 5 capacities (3.5 to 12 l/h)
+ Air heating options (electric heating or hot water coil)
+ Titanium water condenser option, enabling to re-use the excess heat to warm the pool

HYGRO CONTROL

SERVICES +

| | DF 410M ducted | DF 410T ducted | DF 412T ducted**** |
|---|---|---|---|
| **PRODUCT REFERENCE** | **PRODUCT REFERENCE** | **PRODUCT REFERENCE** | **PRODUCT REFERENCE** |
| Standard model | W28DF410MG | W28DF410G | W28DF412G |
| Model with water condenser option | W28DF410MGC | W28DF410GC | W28DF412GC |
| Model with electric heating option | W28DF410MGE | W28DF410GE | W28DF412GE |
| | 4,5 kW | 9 kW | 9 kW |
| Model with electric heating option and water condenser | W28DF410MGEC | W28DF410GEC | W28DF412GEC |
| | 4,5 kW | 9 kW | 9 kW |
| Model with hot water coil option | W28DF410MGB | W28DF410GB | W28DF412GB |
| | 23 kW | 23 kW | 23 kW |
| Model with hot water coil option and water condenser | W28DF410MGBC | W28DF410GBC | W28DF412GBC |
| | 23 kW | 23 kW | 23 kW |

## ACCESSORIES INCLUDED IN THE PACK

Hygro control box

## TECHNICAL SPECIFICATIONS

| | | |
|---|---|---|
| Capacity (l/h) | 10 | 12 |
| Absorbed power* (W) | 3470 | 4170 |
| Operating power* (W) | 7630 | 9180 |
| Acoustic power (dB(A))** | - | 76,7 |
| Air flow (m³/h) | 2000 | |
| Available pressure (mmCE) | 10 | |
| Electric power supply | 230 V / 1N / 50 Hz | 400 V / 3N / 50 Hz |
| Max. absorbed intensity (A)*** | 20,5 | 11,9 | 14 |
| Refrigerant fluid quantity (kg) | 2,7 /2,82 [(1)] | 2,9 /3,82 [(1)] |
| Evacuation of condensation | PVC Ø 32 1/2 union to glue | |

For all DF orders a deposit of 30% will be requested with the order.
* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.
** Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.
*** excluding the power consumption of electric heating option.
**** DF412 in single phase on request.
(1) for units with water condenser option.

## HOT WATER COIL SPECIFICATIONS

|  | DF 410M ducted | DF 410T ducted | DF 412T ducted |
|---|---|---|---|
| Power (kW) with primary at 90/70°C | | 23 | |
| Power (kW) with primary at 45/40°C | | 7 | |
| Water flow (m³/h) with primary at 90/70°C | | 1,1 | |
| Load loss (mmCE) with primary 90/70°C | | 204 | |
| Connection (mm) | | 20 / 27 male thread | |

## INSTALLATION

- Installation in a technical room nearby the pool hall.
- Available pressure 10 mmCE making it possible to install a duct network to carry hot, dry air the length of the window bays.
- Duct diameter: Ø 400 mini or 400 x 300.
- Reversible installation: right-hand (standard) or left-hand (optional) access to the technical door.
- Hot water coil and electric heating options are integrated outside the air outlet which adds a thickness to the installation. It is highly recommended to integrate these options during first installation.
- Added thickness:
  For electric heating option
  DF410 – 412 : 125mm
  For hot water coil option
  DF410 – 412 : 125mm

**Spare parts p.294**

**Installation of an appliance with the condenser option (models 410 G and 412 G only).**
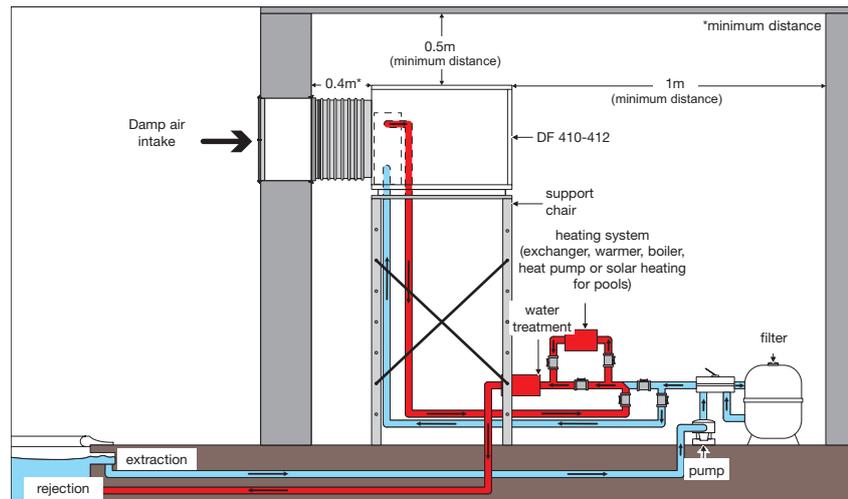


## DIMENSIONS (MM) AND WEIGHT

|  | DF 410M ducted | DF 410T ducted | DF 412T ducted |
|---|---|---|---|
| Weight (kg) (basic model) | 147 | 147 | 149 |

Access panel as standard for electrical connections



Air flow
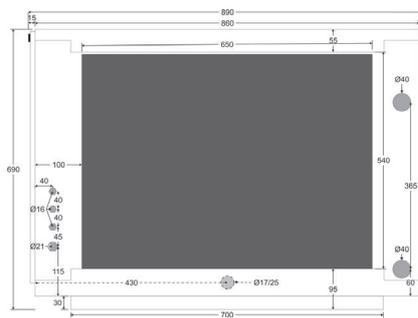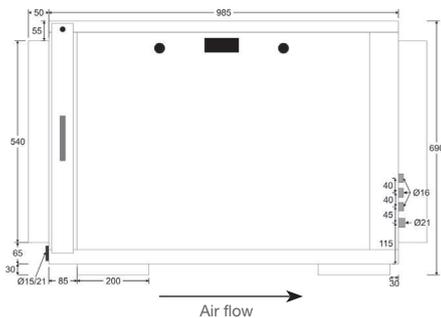
### OPTIONAL ACCESSORIES

|  | **1** Horizontal angle 90° | **2** Vertical angle 90° | **3** Outlet DF Ø 400 | **4** Standard outlet 625 x 425 | **5** Sound trap rectangular length 635 x 525 long. 500 mm | DF Chassis support | Remote control electrical unit |
|---|---|---|---|---|---|---|---|
| reference | WCH03698 | WCH03699 | WCH03700 | WTT02355 | WCH03709 | WTO04000 | W28DEPORT |
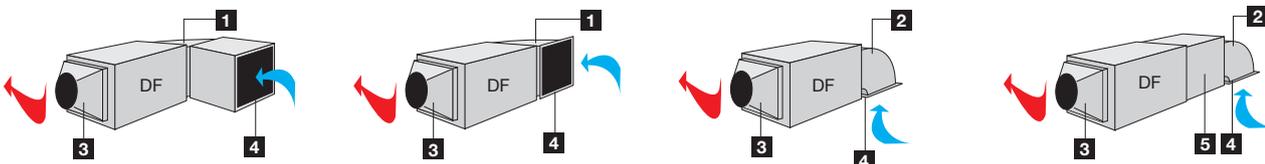
# CAE

Dehumidification > CAE - Vertical ducted unit

**2 ANS GARANTIE**

+ Vertical, ducted installation with modular air intake/outlet configurations
+ Available in 4 capacities (8 to 13.5 l/h)
+ Air heating options (electrical heating or hot water coil)
+ Titanium water condenser option, enabling to re-use the excess heat to warm the pool

**HYGRO CONTROL**

**SERVICES +**

| | CAE 508M ducted**** | CAE 508T ducted**** | CAE 510T ducted**** | | CAE 513T ducted**** | |
|---|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | | |
| Standard model | W28CAE8M | W28CAE8 | W28CAE10 | | W28CAE13 | |
| Model with water condenser option | W28CAE8MC | W28CAE8C | W28CAE10C | | W28CAE13C | |
| Model with air heating option using electric heaters | W28CAE8ME | W28CAE8E | W28CAE10E9 | W28CAE10E18 | W28CAE13E9 | W28CAE13E18 |
| | 4,5 kW | 9 kW | 9 kW | 18 kW | 9 kW | 18 kW |
| Model with air heating option using electric heaterset condenser | W28CAE8MEC | W28CAE8EC | W28CAE10E9C | W28CA10E18C | W28CAE13E9C | W28CA13E18C |
| | 4,5 kW | 9 kW | 9 kW | 18 kW | 9 kW | 18 kW |
| Model with air heating option using hot water coil | W28CAE8MB | W28CAE8B | W28CAE10B | | W28CAE13B | |
| | 23 kW | 23 kW | 35 kW | | 41 kW | |
| Model with air heating option using hot water coil and condenser | W28CAE8MBC | W28CAE8BC | W28CAE10BC | | W28CAE13BC | |
| | 23 kW | 23 kW | 35 kW | | 41 kW | |

## ACCESSORIES INCLUDED IN THE PACK

Hygro control box

## TECHNICAL SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| Capacity (l/h) | 8 | | 10 | 13,5 |
| Absorbed power* (W) | 2710 | | 4040 | 5430 |
| Operating power* (W) | 6500 | | 9695 | 13030 |
| Acoustic power (dB(A)) ** | - | 77,6 | - | 77,6 |
| Nominal operating power (A)*** | 17,5 | 5,3 | 8,5 | 11 |
| Nominal airflow (m³/h) | 2040 | | 2720 | 3400 |
| Air flow (m³/h) | 2400 | | 3050 | 3800 |
| Min. air flow (m³/h) | 1780 | | 2380 | 2970 |
| Available pressure (mmCE) | 15 | | 19 | 23 |
| Electric power supply | 230 V / 1 / 50 Hz | | 400 V / 3N / 50 Hz | |
| Max. absorbed intensity (A)*** | 37,1 | 8 | 14,5 | 17 |
| Refrigerant fluid quantity (kg) | 1,3/1,45 (1) | | 2,2/2,5 (1) | |

For all CAE orders a deposit of 30% will be requested with the order.
* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.
** Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.
*** excluding the power consumption of electric heating option.
**** An annual check of the sealing of the refrigerating circuit must be carried out for all refrigerating equipment with a load in refrigerating fluid >2 kg and < 30 kg (cf. Art 3 7/05/05 regulation, French decree n° 737-2007).
CAE 510 single phase on request.
(1) for units with water condenser option.

## HOT WATER COIL SPECIFICATIONS

| | CAE 508M ducted | CAE 508T ducted | CAE 510T ducted | CAE 513T ducted |
|---|---|---|---|---|
| Power (kW) with primary at 90/70°C | 23 | | 35 | 41 |
| Power (kW) with primary at 45/40°C | 5,9 | | 9,8 | 11,6 |
| Water flow (m³/h) with primary at 90/70°C | 1 | | 1,6 | 1,9 |
| Load loss (mmCE) with primary 90/70°C | 1250 | | 1900 | 2500 |
| Connection (mm) | 20 / 27 male thread | | | |

## EXTRACTION AND BLOWER OPTIONS

- Installation of an appliance with the TITANIUM water condenser option.
- Damp air intake: the standard intake is installed in the lower part at the rear of the CAE. Optionally, the intake can be installed in the lower part on the left or right hand sides of the CAE.
- Dry air blower: the standard dry air blower is installed in the upper part on the top of the CAE. Optionally the blower can be installed on the top part on the front or rear face of the CAE.
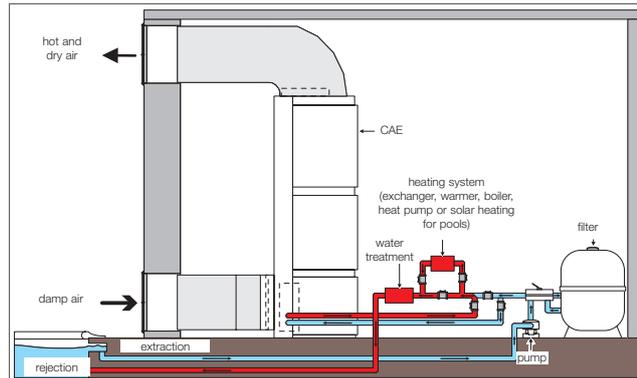
**Spare parts p.296**

## EXTRACTION AND SUPPLY

| | | |
|---|---|---|
| Extractor on the left (frame + filter) | **1** | W28REGA |
| Extractor on the right (frame + filter) | **2** | W28REDR |
| Rear blower (frame) | **3** | W28SOAR |
| Front blower (frame) | **4** | W28SOAV |

Rear extraction outlet

Side extraction outlet **1**

Side extraction outlet **2**

Top blower outlet

Rear blower outlet **3**

Front blower outlet **4**

DEHUMIDIFICATION

# CAE

Dehumidification **>** CAE **-** Vertical ducted unit

| | CAE 508M ducted**** | CAE 508T ducted**** | CAE 510T ducted**** | CAE 513T ducted**** |
|---|---|---|---|---|
| **AIR EXTRACTION AND SUPPLY ACCESSORIES** | | | | |
| Diameter | Ø 400 | | Ø 500 | |
| Circular rear extraction accessories (1)  **1** | WCH01245 | | WCH01246 | |
| Circular side extraction accessories (1)  **2** | WCH01247 | | WCH01248 | |
| Circular top extraction accessories (2)  **3** | WCH01249 | | WCH01250 | |
| Circular front/rear blower accessories (1)  **4** | WCH01249 | | WCH01250 | |



**1** Rear circular extraction outlet

**2** Side circular extraction outlet

**2** Side circular extraction outlet

**3** Top circular blower outlet

**4** Rear circular blower outlet

**4** Front circular blower outlet

(1) Plan the left or right option
(2) Plan the front or rear blower option. For other metalwork, contact us

| | CAE 508M ducted**** | CAE 508T ducted**** | CAE 510T ducted**** | CAE 513T ducted**** |
|---|---|---|---|---|
| **EXTRACTION AND SUPPLY BOX** | | | | |
| Diameter | Ø 400 | | Ø 500 | |
| Circular angled outlet | WCH01251 | | WCH01252 | |
| System central intake box | WCH01253 | | WCH01254 | |
| Intake box for 625 x 425 grate | WCH03719 | | Contact us | |

Other accessories or casing: contact us



**5** Circular angled outlet

**6** Intake box
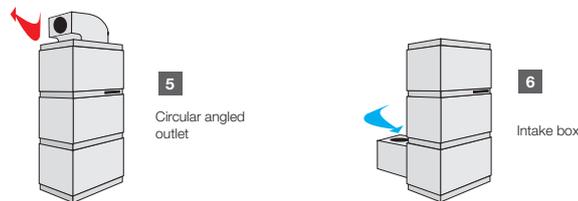
| | CAE 508M ducted**** | CAE 508T ducted**** | CAE 510T ducted**** | CAE 513T ducted**** |
|---|---|---|---|---|
| **SOUND TRAP** | | | | |
| Diameter | Ø 400 | | Ø 500 | |
| Sound trap | WCH03682 | | WCH03683 | |

Circular sound trap with Ø 400 central core for CAE 508 et Ø 500 core for CAE 510, 513. Can be mounted on the intake or blower side.

****An annual check of the sealing of the refrigerating circuit must be carried out for all refrigerating equipment with a load in refrigerating fluid >2 kg and < 30 kg (cf. Art 3  7/05/05 regulation, French decree n° 737-2007).
CAE 510 single phase on request.
(1) for units with water condenser option

## OPTIONAL ACCESSORIES

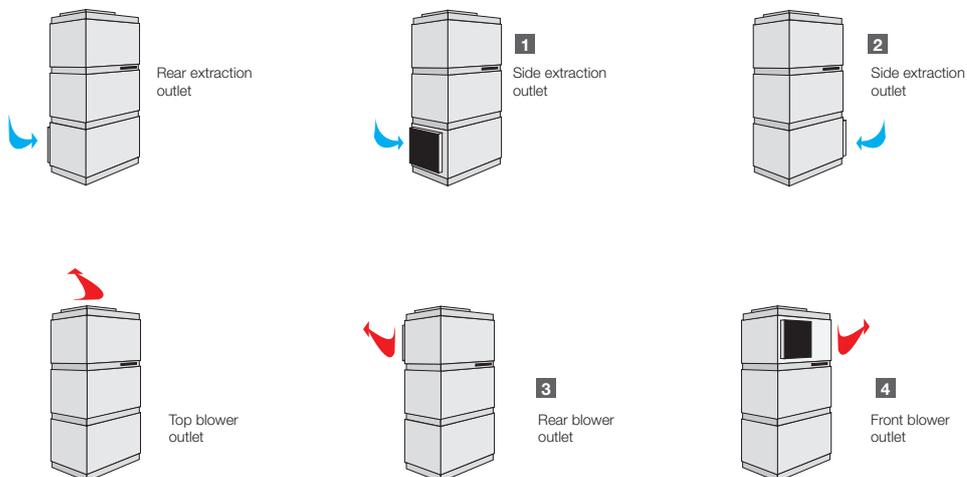| | 625 x 425 grate (plan for 2 grates) | Double 625 x 425 deflector (blower) | Sound trap | Blower angle | Remote regulator box for the dehumidifier | Remote regulator box for 2 dehumidifiers |
|---|---|---|---|---|---|---|
| reference | WTT02355 | WTT02366 | WCH01234 | WCH01255 | R0771000 | R0771100 |
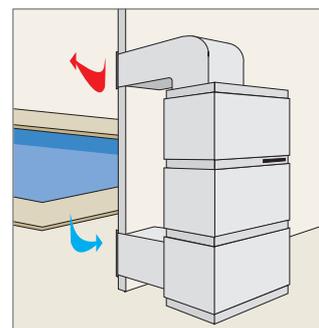


## CAE TECHNICAL ROOM + DUCTS

- Installation of an appliance with the TITANIUM water condenser option.

- Damp air intake: the standard intake is installed in the lower part at the rear of the CAE. Optionally, the intake can be installed in the lower part on the left or right hand sides of the CAE.

- Dry air blower: the standard dry air blower is installed in the upper part on the top of the CAE. Optionally the blower can be installed on the top part on the front or rear face of the CAE.



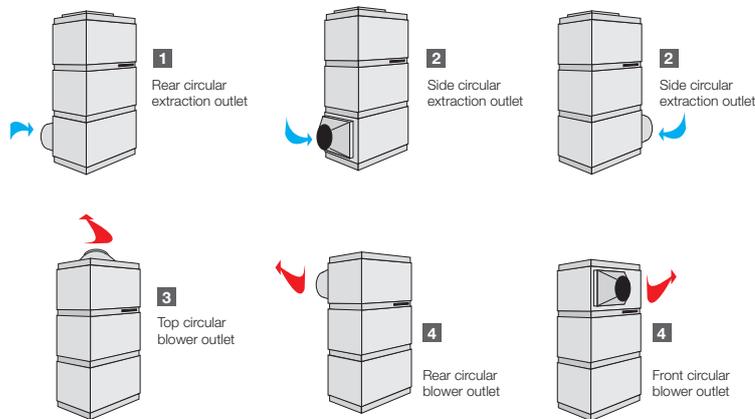Blower grate hot, dry air + connector box



Intake grate for damp air
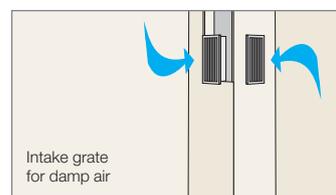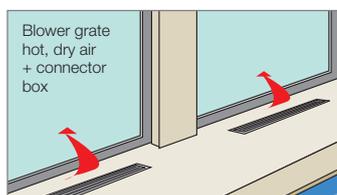
## DIMENSIONS (MM) AND WEIGHT

| | CAE 508M ducted | CAE 508T ducted | CAE 510T ducted | CAE 513T ducted |
|---|---|---|---|---|
| Weight (kg) | 228 | 228 | 235 | 240 |
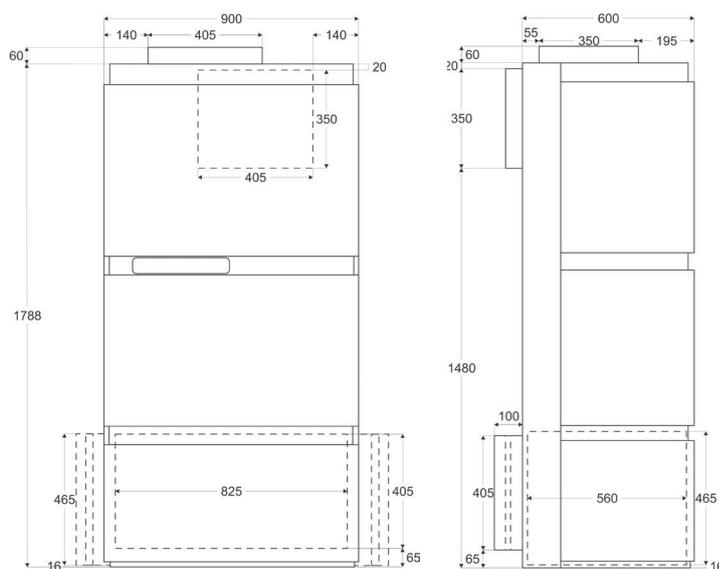
DEHUMIDIFICATION

# OMEGA Central unit

+ Vertical, ducted installation with modular air intake/outlet configurations
+ Available in 5 capacities (10 to 28 l/h)
+ Air heating options (electrical heating or hot water coil)
+ Titanium water condenser option, enabling to re-use the excess heat to warm the pool

**HYGRO CONTROL**

**SERVICES +**

**2 ANS GARANTIE**

| | OMEGA 10T ducted | OMEGA 14T ducted | OMEGA 16T ducted | OMEGA 20T ducted | OMEGA 28T ducted |
|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | |
| Standard model | W28OM10 | W28OM14 | W28OM16 | W28OM20 | W28OM28 |
| Model with water condenser option | W28OM10C | W28OM14C | W28OM16C | W28OM20C | W28OM28C |
| Model with air heating option using electric heaters | W28OM10E | W28OM14E | W28OM16E | W28OM20E | W28OM28E |
| | 9 kW | 9 kW | 18 kW | 18 kW | 18 kW |
| Model with air heating option using electric heaters and condenser | W28OM10EC | W28OM14EC | W28OM16EC | W28OM20EC | W28OM28EC |
| | 9 kW | 9 kW | 18 kW | 18 kW | 18 kW |
| Model with air heating option using hot water coil | W28OM10B | W28OM14B | W28OM16B | W28OM20B | W28OM28B |
| | 24 kW | 34 kW | 42 kW | 53 kW | 76 kW |
| Model with air heating option using hot water coil and condenser | W28OM10BC | W28OM14BC | W28OM16BC | W28OM20BC | W28OM28BC |
| | 24 kW | 34 kW | 42 kW | 53 kW | 76 kW |

## ACCESSORIES INCLUDED IN THE PACK

Hygro control box

| | OMEGA 10T ducted**** | OMEGA 14T ducted**** | OMEGA 16T ducted**** | OMEGA 20T ducted**** | OMEGA 28T ducted**** |
|---|---|---|---|---|---|
| **TECHNICAL SPECIFICATIONS** | | | | | |
| Capacity (l/h) | 10 | 14 | 16 | 20 | 28 |
| Absorbed power* (W) | 3 840 | 4 390 | 5 830 | 6 430 | 9 900 |
| Operating power* (W) | 9 210 | 10 530 | 13 990 | 15 430 | 23 760 |
| Acoustic power (dB(A)) ** | - | 83,6 | - | 82 | - |
| Air flow (m³/h) | 3 000 | 4 000 | 5 000 | 6 000 | 8 500 |
| Available pressure (mmCE) | 20 | | | | |
| Electric power supply | 400 V / 3N / 50 Hz | | | | |
| Absorbed intensity (A) | 7,6 | 9 | 12 | 16,4 | 19 |
| Max. absorbed intensity (A)*** | 13 | 16 | 18,5 | 20,1 | 23,8 |
| Refrigerant fluid | R407C | | | | |
| Refrigerant fluid quantity (kg) | 3,5/3,8 [1] | 3,5/3,9 [1] | | 3,5/3,8 [1] | 8,2/8,5 [1] |

For all OMEGA orders a deposit of 30% will be requested with the order.
* Standard unit, in the following nominal conditions: air 30°C, humidity 70%.
** Values measured and certified in compliance with EN ISO 3741 & EN ISO 354 standards, by CCTM (Centre de Transfert de Technologie du Mans) on standard units.
*** excluding the power consumption of electric heating option.
**** An annual check of the sealing of the refrigerating circuit must be carried out for all refrigerating equipment with a load in refrigerating fluid >2 kg and < 30 kg (cf. Art 3 7/05/05 regulation, French decree n° 737-2007).
(1) for units with water condenser option.

| **HOT WATER COIL SPECIFICATIONS** | | | | | |
|---|---|---|---|---|---|
| Power (kW) with primary at 90/70°C | 24 | 34 | 42 | 53 | 76 |
| Power (kW) with primary at 45/40°C | 9,5 | 11,6 | 13,6 | 15,2 | 23 |
| Water flow (m³/h) with primary at 90/70°C | 1,66 | 2,03 | 2,35 | 2,64 | 3,98 |
| Load loss (mmCE) with primary 90/70°C | 930 | 1340 | 1760 | 2170 | 1410 |
| Connection (mm) | 20 / 27 male thread | | | | |

| **DIMENSIONS (MM) AND WEIGHT** | | | | | |
|---|---|---|---|---|---|
| | OMEGA 10T ducted | OMEGA 14T ducted | OMEGA 16T ducted | OMEGA 20T ducted | OMEGA 28T ducted |
| Weight (kg) | 342 | 344 | 346 | 397 | 505 |

| | Oméga 10 to 20 | Oméga 28 |
|---|---|---|
| A | 1940 | 2170 |
| B | 1150 | 1734 |
| C | 625 | 652 |
| D | 70 | 102 |
| E | 445 | 413 |
| F | 410 | 908 |
| G | 295 | 413 |
| H | 240 | 190 |
| I | 345 | 387 |
| J | 75 | 240 |
| K | 225 | 216 |
| L | 655 | 673 |
| M | 630 | 824 |
| N | 60 | 50 |
| O | 20 | 0 |
| Extractor Width | 1060 | 1650 |

Blower at the bottom

Blower at the top

SPARE PARTS  **Spare parts p.298**

# OMEGA Central unit

| | | OMEGA 10T ducted | OMEGA 14T ducted | OMEGA 16T ducted | OMEGA 20T ducted | OMEGA 28T ducted |
|---|---|---|---|---|---|---|
| **BLOWER OPTIONS** | | | | | | |
| Blower on the top | 1 | W28SODE | | | W28SODE20 | W28SODE28 |
| Blower on the top to the front | 2 | W28SOHAV | | | W28SOHAV20 | W28SOHAV28 |
| Blower on the top to the rear | 3 | W28SOHAR | | | W28SOHAR20 | W28SOHAR28 |
| Blower on the bottom to the front | 4 | W28SOBAV | | | | |
| Blower on the bottom to the rear | 5 | W28SOBAR | | | | |

The standard blower on the OMEGA systems is installed under the system (blower inversed compared to the CEA). Optionally, blower can be installed on the top or bottom and either to the front of the rear.



Standard bottom blower

1 Top blower

2 Top front blower

3 Top rear blower

4 Bottom front

5 Bottom rear
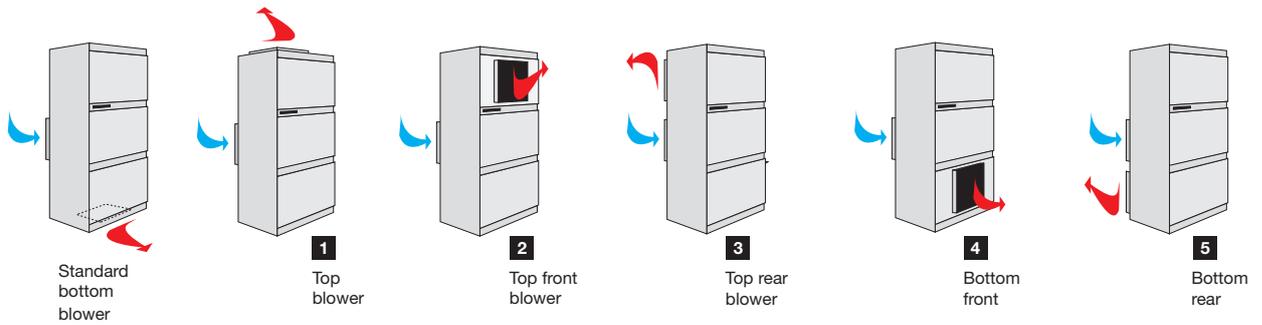
| | | OMEGA 10T ducted | OMEGA 14T ducted | OMEGA 16T ducted | OMEGA 20T ducted | OMEGA 28T ducted |
|---|---|---|---|---|---|---|
| **OMEGA INTAKE** | | | | | | |
| Extractor grate 1000 x 600 (4000 à 6000 m³/h) with counter frame | Grate | WFA01477 | | | | |
| | Counter frame | WFA01479 | | | | |
| Sound trap 600 mm (for direct intake from 100 X 600 grate) [1] | | WCH01236 | | | | |
| Extraction box for Omega systems [2] | Caisson | WCH02822 | | WCH03048 | | WCH03049 |
| | Diameter | Ø500 | | Ø630 | | Ø500 |
| Intake box for 1000 x 600 grate | Caisson | WCH02822 | | WCH03048 | | WCH03049 |
| | Diameter | Ø500 | | Ø630 | | Ø500 |
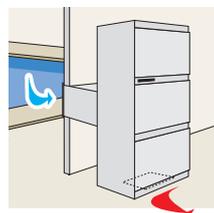


1 Grate + Sound trap

2 Extractor box

| | OMEGA 10T ducted | OMEGA 14T ducted | OMEGA 16T ducted | OMEGA 20T ducted | OMEGA 28T ducted |
|---|---|---|---|---|---|
| **EXTRACTION AND SUPPLY ACCESSORIES** | | | | | |
| Diameter | Ø500 | | Ø630 | | 2 x Ø500 |
| Rear circular extractor accessories **3** | WCH03701 | | WCH03702 | | WCH03703 |
| Front/rear circular blower accessories **4** | WCH03595 | | WCH03331 | | WCH03704 |
| Upper circular blower accessories **5** | WCH03705 | | WCH03706 | | WCH03707 |

Other accessories or casing: contact us.



**3** Rear circular extractor outlet

**4** Rear circular blower outlet

**4** Front circular blower outlet

**5** Top circular blower outlet
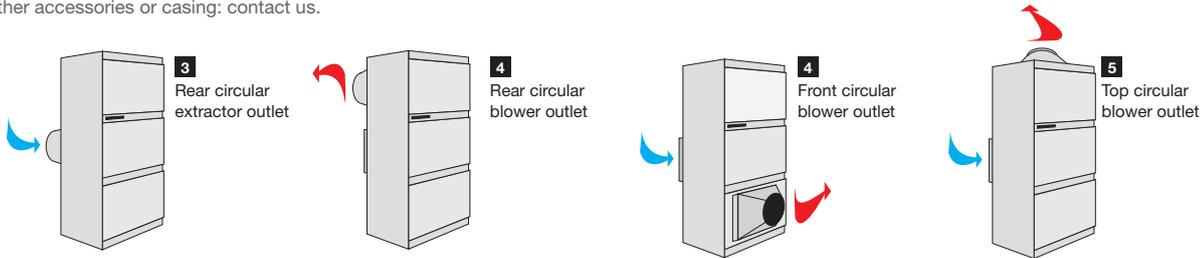
### OPTIONAL ACCESSORIES

| | Filters for OMEGA 10, 14, 16 et 20 tri | Filters for OMEGA 28 tri | Remote regulator box for the dehumidifier | Remote regulator box for 2 dehumidifiers | |
|---|---|---|---|---|---|
| reference | WSD01916 | WSD03350 | R0771000 | R0771100 | |

### INSTALLATION

- Installation in a technical room nearby the pool hall.

- Damp air extractor frame on the rear face for connection to wall or ceiling extractor duct.

- Hot, dry air blower either under or over the system for direct assembly on buried ducts or ceiling service area ducts.

- Simplified aeraulic assembly with very little load loss making it possible to keep the available ventilator pressure for the duct network.

- Hot water coil or extra electric heating fitted inside the system (see options).

- A remote regulator box, temperature sensor and humidity sensor in a duct and box enable you to adjust the operation of one unit or two dehumidifier units.



DUCT AND EXTRACTOR GRATES

BLOWER DUCT (HOT, DRY AIR) AND LINEAR DIFFUSERS

OMEGA REAR INTAKE BLOWER UNDERNEATH



damp air

Oméga

Heating system (exchanger, warmer, boiler, heat pump, solar heating for pools)

water treatment

filter

extraction

rejection

pump
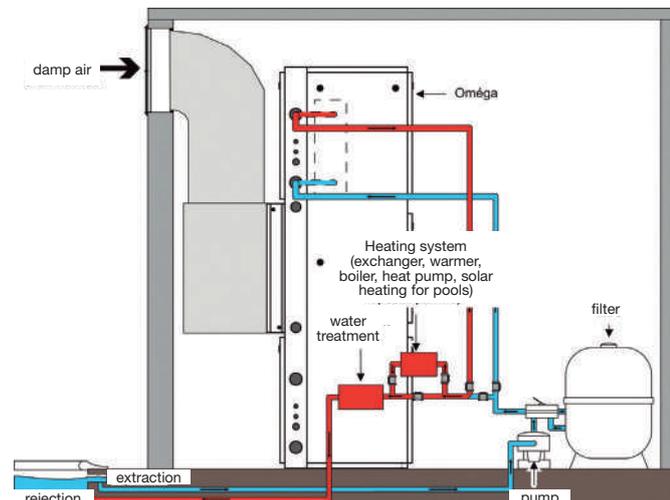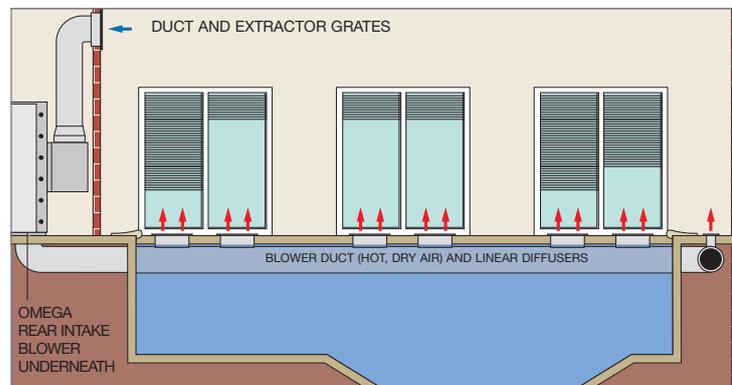
# ENERGY Fan

**2 ANS GARANTIE**

+ Air renewal: better pool hall hygiene
+ Wall-mounted fan with backdraft damper
+ Aesthetic finish and silent working

**INSTALLATION FACILE**

| | ENERGY 150 FAN | ENERGY 500 FAN | ENERGY 900 FAN | ENERGY 1800 FAN |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | WD001208 | WD001209 | WD001210 | WD001211 |

## ACCESSORIES INCLUDED IN THE PACK

| Through-the-wall duct | Outdoor grade |
|---|---|

## EQUIPMENT

- Provide a fresh air supply grille (supply airflow lower or equal to the fan's extraction airflow to guarantee a slight underpressure in the pool hall.
- Axial fan
- Construction in ABS

- 150 Model : 1 speed extract fan, control with switch or servo control (cord included)
- 500, 900 and 1800 Models : variable speed, start only with RC4M control bax (sold as accessory)

## TECHNICAL SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| Max. extraction airflow | 280 | 445 | 918 | 1820 |
| Eco extraction airflow | - | 245 | 820 | 1341 |
| Max. absorbed power | 33 | 38 | 50 | 100 |
| Eco absorbed power | - | 20 | 37 | 70 |
| Max. sound pressure at 3 m | 43 | 45 | 49 | 51 |
| Eco sound pressure at 3 m | - | 27 | 46 | 45 |
| Electric power supply | 230 V / 1 / 50 Hz | 230 V / 1 / 50 Hz | 230 V / 1 / 50 Hz | 230 V / 1 / 50 Hz |

## DIMENSIONS (MM) AND WEIGHT

| | | | | |
|---|---|---|---|---|
| Weight (kg) | 0,99 | 4,6 | 4,9 | 9,5 |
| A x B | 200 x 200 | 269 x 272 | 342 x 342 | 420 x 420 |
| C | 100 | 134,5 | 171 | 206,5 |
| D | 100 | 737,5 | 175 | 214,5 |
| E | 200 | 269 | 337 | 413 |
| F | 114,5 | 128 | 130 | 169,4 |
| Wall opening | Ø160 | 260 x 260 | 330 x 330 | 410 x 410 |
| Wall width (min/max) | 100/375 | 200/380 | 200/380 | 200/380 |

## OPTIONAL ACCESSORIES

| | RC4M control box for Energy 500, 900 and 1800<br>Box to control up to 5 fans |
|---|---|
| reference | WD001212 |
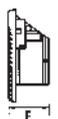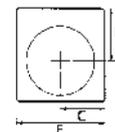
# CANAL FAST Fan

**2 ANS GARANTIE**

+ Air renewal: swimming pool hygiene maintained
+ Centrifugal fan motor in duct
+ Easy to install with quick-fix system

**INSTALLATION FACILE**

| | CANAL FAST 125 | CANAL FAST 160 | CANAL FAST 200 | CANAL FAST 250 |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | WFA03484 | WFA03485 | WFA03486 | WFA03487 |

## EQUIPMENT

- Use a fresh air inlet (fresh air flow less than or equal to the ventilator flow rate) to slightly reduce pressure in the pool room
- Install horizontally or vertically at all points along the duct
- Housing: polypropylene body and flanges - IPX4 protection
- Turbine: centrifugal reaction, ABS helix, mounted directly onto the body of the engine, polypropylene fl anges - IPX4 protection
- External 2-speed rotary engine, IPX4
- Built-in mounting system with locking collars

## TECHNICAL SPECIFICATIONS

| | | | | |
|---|---|---|---|---|
| Max. extraction airflow | 285/345 | 467/552 | 830/1040 | 1100/1400 |
| Power (W) | 47/65 | 54/76 | 90/125 | 125/177 |
| Max. sound pressure at 3 m | 31 / 42 | 33 / 44 | 45 / 52 | 47 / 55 |
| Electric power supply | 230 V / 1 / 50Hz | 230 V / 1 / 50Hz | 230 V / 1 / 50Hz | 230 V / 1 / 50Hz |

## DIMENSIONS (MM) AND WEIGHT

| | | | | |
|---|---|---|---|---|
| Weight (kg) | 3 | 3,4 | 6,5 | 7,5 |
| D | 123 | 158 | 197 | 247 |
| D1 | 185 | 185 | 209 | 256 |
| H | 250 | 250 | 261 | 320 |
| B | 220 | 220 | 239 | 286 |
| L | 295 | 295 | 296 | 393 |

## OPTIONAL ACCESSORIES

| | Variable speed drive |
|---|---|
| reference | WFA03488 |
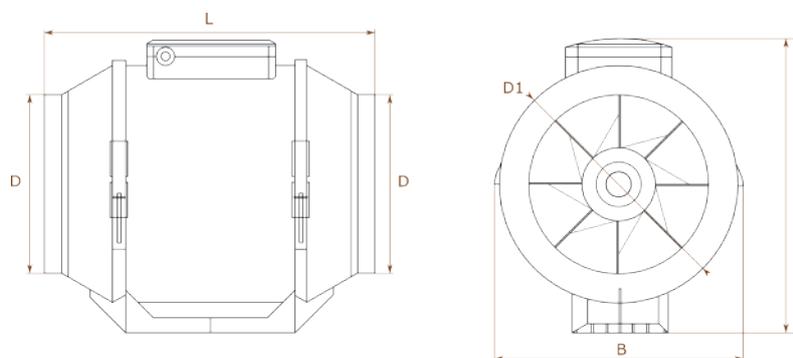
**DEHUMIDIFICATION**

# Floor slot diffusers

+ Attractive and discreet design : perfect integration flush with the level of the floor
+ Ideal air supply distribution : solution specially adapted for bay windows
  (air supply along the bay window)
+ New products, new heights, and new kits to make installation easier

Minimum manufacturing time : 3 weeks

| Height (mm) | S08-1 | S10-1 | S12-1 | S16-2 | S20-2 | S24-2 | S30-3 |
|---|---|---|---|---|---|---|---|
| 100-150 | WD001422 | WD001424 | WD001426 | WD001429 | WD001431 | WD001433 | WD001435 |
| 150-200 | WD001423 | WD001425 | WD001427 | WD001430 | WD001432 | WD001434 | WD001436 |

*The height corresponds to that between the concrete slab and the finished level. It must not be less than 10 cm.

**Floor slot diffusers can be cut straight across or at a 45° angle to the desired length (within dimension limits).**
**Floor slot diffusers are provided with any Zodiac dehumidifier unit order.**
**Contact our Design Office (BE@zodiac.com) for design and quotation.**

## TECHNICAL SPECIFICATIONS

The slot diffuser selection (number of slots) depends on the airflow and on the length of the diffuser.

**Airflow (m³/h)**

**Slot diffuser type**

S30-3
S24-2
S20-2
S16-2
S12-1
S10-1
S08-1

**Length of the slot diffuser (m)**
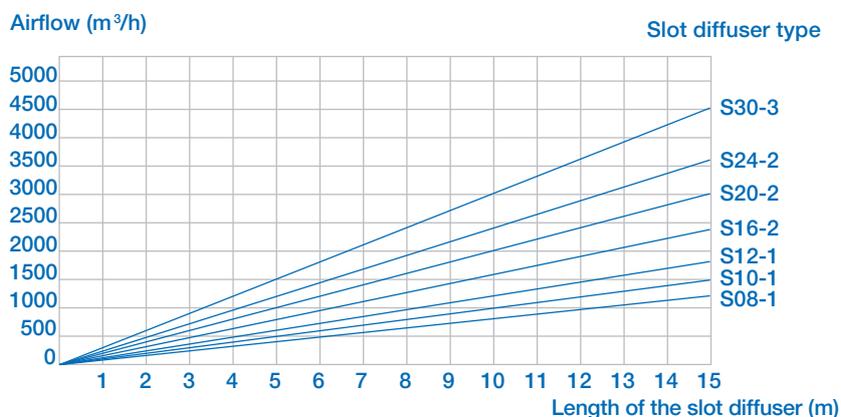
| Type and quantity of tapping to order for each metre of floor slot diffuser | | | | | | | |
|---|---|---|---|---|---|---|---|
| Type of floor slot diffuser | S08-1 | S10-1 | S12-1 | S16-2 | S20-2 | S24-2 | S30-3 |
| Tapping/linear metre | 2xD100 | 2xD100 | 2xD100 | 3xD100 or 2xD125 | 3xD100 or 2xD125 | 2xD160 | 2xD160 |

## DIMENSIONS (EN MM)

| | A | B | C | D | H |
|---|---|---|---|---|---|
| S08-1 | 8 | 18 | 109 | 149 | |
| S10-1 | 10 | 20 | 111 | 151 | |
| S12-1 | 12 | 22 | 113 | 153 | 2 possible heights: |
| S16-2 | 8 | 34 | 125 | 165 | • 100 to 150 mm |
| S20-2 | 10 | 38 | 129 | 169 | • 150 to 200 mm |
| S24-2 | 12 | 42 | 133 | 173 | |
| S30-3 | 10 | 56 | 147 | 187 | |

S08-1
S10-1
S12-1

S16-2
S20-2
S24-2
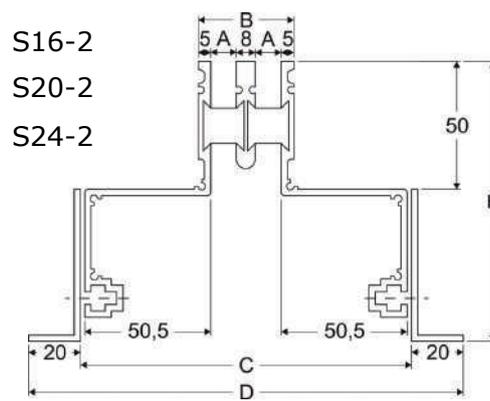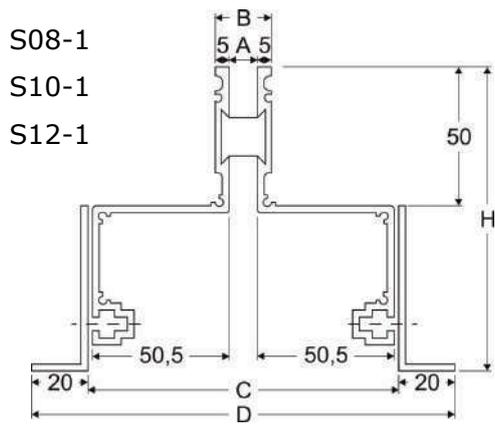
## INSTALLATION

**Example with a hollow block floor**

Floor level

Slot diffuser

Air supply duct
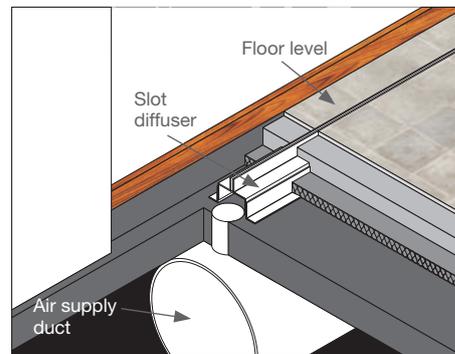
# Ventilation accessories

## FRESH AIR ACCESSORIES

Fresh air grate with weather protection grate and wall duct (wall thickness  250 to 400mm)
Canal Fast : compact fan to be installed in a duct

| Designation / Model | Reference |
|---|---|
| grate PA160 (200 m3/h) | WFA03480 |
| grate PA200 (300 m3/h) | WFA03481 |
| grate PA250 (400 m3/h) | WFA03482 |
| grate PA315 (700 m3/h) | WFA03483 |
| Damper Ø160 | WCH03758 |
| Damper Ø200 | WCH03759 |
| Damper Ø250 | WCH03760 |
| Damper Ø315 | WCH03761 |

## EXTRACTOR OR BLOWER GRATE

Natural anodised aluminium grate with sealing frame. Plan to use standard grates for the intake and double deflector option grates for the blowers. Plan for adjusters when there are several blower grates. Wall or ceiling mounted. Galvanised adapters can be used to connect the grate directly to the circular duct. Res.: 610 x 210 or 610 x 410.

| Position | Designation / Model | Reference |
|---|---|---|
| | Damper + double defection 625 x 225 | WTT02369 |
| | Damper + double defection 625 x 425 | WTT02370 |
| 6 | 625 x 225 grate (flow 500 to 1250 m3/h) | WTT02354 |
| | 625 x 225 counter frame | WTT02358 |
| | 625 x 425 grate (flow 1250 to 2500 m3/h) | WTT02355 |
| | 625 x 425 counter frame | WTT02359 |
| | Double deflector 625 x 225 | WTT02365 |
| | Double deflector 625 x 425 | WTT02366 |
| | Regulator 625 x 225 | WTT02367 |
| | Regulator 625 x 425 | WTT02368 |
| 7 | Adapter 600 x 200 (Ø 315) | WCH01226 |
| | Adapter 600 x 200 (Ø 400) | WCH03684 |
| | Adapter 600 x 400 (Ø 500) | WCH01227 |
| | Adapter 600 x 400 (Ø 630) | WCH03685 |




## GRATE FOR CIRCULAR DUCT

Steel grey painted blower grate, double deflector flow regulator. Direct assembly onto circular ducts.

| Designation / Model | Reference |
|---|---|
| grate 625 x 75 on Ø 160 to 400 (250 m3/h) | WFA03467 |
| grate 625 x 125 on Ø 315 to 900 (400 m3/h) | WFA03309 |
| Regulator 625 x 75 | WFA03468 |
| Regulator 625 x 125 | WFA03310 |

## REINFORCED 600 X 400 GROUND ATE

Reinforced natural aluminium ground grate. Sealing frame supplied. Reinforced frames and profiles.

| Position | Designation / Model | Reference |
|---|---|---|
| 1 | Floor grate 600 x 400 (flow 1000 to 2500 m3/h) | WPA01804 |
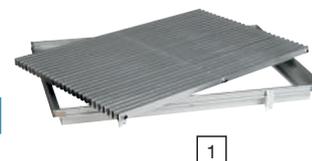


## CEILING SLOT DIFFUSER

Anodised natural aluminium ceiling slot diffuser with adapter and regulator. Installation in ceiling service area. Height 285 mm. Ø 160 connection prepared.

| Position | Designation / Model | Reference |
|---|---|---|
| 8 | 2 Slot diffuser L 900 mm (250 m3/h) | WAL03030 |
| 9 | Flexible duct Ø 160 (linear m) | WCH01183 |
| 10 | Connection 45°, Ø 160/315 | WCH01256 |
| | Connection 45°, Ø 160/315 | WCH01256 |
| | Punching 45° Ø 160/400 | WCH01260 |

## FLEXIBLE DUCT

| Position | Designation / Model | Reference |
|---|---|---|
| 9 | Flexible duct Ø 160 (linear m) | WCH01183 |
| | Flexible duct Ø 200 (linear m) | WCH01185 |
| | Flexible duct Ø 315 (linear m) | WCH01186 |
| | Flexible duct Ø 400 (linear m) | WCH01187 |
| | Flexible duct Ø 500 (linear m) | WCH01188 |

## BLOWER GRATE

Natural anodised aluminium, fixed wing, flow regulation included. Connection, rectangular and connecting boxes: galvanised metal box fitted between the grate and the blower duct, see diagram below.

| Position | Designation / Model | Reference |
|---|---|---|
| 2 | Supply grate 500 x 50 (flow 75 to 125 m3/h) reservation | WAL03029 |
| | Supply grate 500 x 75 (flow 125 to 175 m3/h) reservation | WAL02750 |
| | Supply grate 1000 x 50 (flow 150 to 250 m3/h) reservation | WAL02748 |
| | Supply grate 1000 x 75 (flow 250 to 350 m3/h) reservation | WAL02751 |
| | Supply grate 1000 x 100 (flow 350 to 500 m3/h) reservation | WAL03028 |
| 3 | Rectangular Connection 500 x 50 Adjustable height 200 to 340 mm | WCH03691 |
| | Rectangular Connection 500 x 75 Adjustable height 200 to 340 mm | WCH01219 |
| | Rectangular Connection 1000 x 50 Adjustable height 200 to 340 mm | WCH01220 |
| | Rectangular Connection 1000 x 75 Adjustable height 200 to 340 mm | WCH01221 |
| | Rectangular Connection 1000 x 100 Adjustable height 200 to 340 | WCH03692 |
| 4 | Connection box 500 x 50 Connection Ø 160 mm | WCH03693 |
| | Connection box 500 x 75 Connection Ø 160 mm | WCH01222 |
| | Connection box 1000 x 50 Connection Ø 160 mm | WCH01223 |
| | Connection box 1000 x 75 Connection Ø 160 mm | WCH01224 |
| | Connection box 1000 x 100 Connection Ø 200 mm | WCH03000 |
| 5 | Under-floor connection box 500 x 50 Connection Ø 160 mm | WCH03710 |
| | Under-floor connection box 500 x 75 Connection Ø 160 mm | WCH03711 |
| | Under-floor connection box 1000 x 50 Connection Ø 160 mm | WCH03712 |
| | Under-floor connection box 1000 x 75 Connection Ø 160 mm | WCH03713 |
| | Under-floor connection box 1000 x 100 Connection Ø 200 mm | WCH03714 |

2 + 3

2 + 4

5

## FITTING ACCESSORIES

Complete set including: perforated fixing band (2 25 m rolls), cement (3 cartridges), adhesive (2 50 m rolls), suspenders with washers and fixtures.

| Position | Designation / Model | Reference |
|---|---|---|
| 9 | Fixing accessories set | WCH03728 |
| | Fixing accessories set | WCH03728 |
| | Flexible anti-vibration sleeve width 150 mm (price per metre) | WCH03409 |
| | Flexible anti-vibration sleeve width 150 mm (price per metre) | WCH03409 |

9

# Ventilation accessories

## Ø 315 DUCTS AND ACCESSORIES

Galvanised metal elements thickness 6/10. Diameter Ø 315 for connection to DF 403, 405, 408.
Ducts to be installed in galleries, ceiling service area, technical facility. Plan to use PVC for buried ducts.

| Designation / Model | Reference |
|---|---|
| Flange (flat punching 90°) Ø 315 | WCH01231 |
| Galvanised duct Ø 315 (lm) shipped in 2m lengths | WCH01179 |
| Galvanised elbow 90°, Ø 315 | WCH01201 |
| Galvanised elbow 45°, Ø 315 | WCH01207 |
| Male sleeve Ø 315 | WCH01191 |
| Female sleeve Ø 315 | WCH03050 |
| Cap Ø 315 | WCH01196 |
| T 90° equal Ø 315 | WCH01211 |
| Reduction Ø315/250 | WCH03755 |

Circular duct
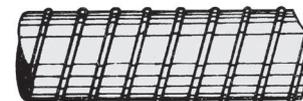


## Ø 400 DUCTS AND ACCESSORIES

Galvanised metal elements thickness 6/10. Diameter Ø 400 for 410, 412 CAE 508. Ducts to be installed in galleries, ceiling service area, technical facility. Plan to use PVC for buried ducts.

| Designation / Model | Reference |
|---|---|
| Punching 45° Ø 160/400 | WCH01260 |
| Galvanised duct Ø 400 (ml) shipped in 2m lengths | WCH01180 |
| Galvanised elbow 90° Ø 400 | WCH01203 |
| Galvanised elbow 45° Ø 400 | WCH01208 |
| Male sleeve Ø 400 | WCH01192 |
| Female sleeve Ø 400 | WCH03051 |
| Cap Ø 400 | WCH01197 |
| T 90° equal Ø 400 | WCH01212 |
| Reducer Ø 400/315 | WCH01215 |

Elbow 90°



Elbow 45°



## Ø 500 DUCTS AND ACCESSORIES

Galvanised metal elements thickness 6/10. Diameter Ø 500 for CAE 510-513 and OMEGA. Ducts to be installed in galleries, ceiling service area, technical facility. Plan to use PVC for buried ducts.

| Designation / Model | Reference |
|---|---|
| Galvanised duct Ø 500 (ml) shipped in 2m lengths | WCH01181 |
| Galvanised elbow 90° Ø 500 | WCH01204 |
| Galvanised elbow 45° Ø 500 | WCH01209 |
| Male sleeve Ø 500 | WCH01193 |
| Female sleeve Ø 500 | WCH03052 |
| Cap Ø 500 | WCH01198 |
| T 90° equal Ø 500 | WCH01213 |
| Reducer Ø 500/400 | WCH01216 |
| Reducer Ø 500/315 | WCH01217 |

Sleeve



Cap
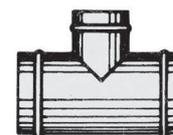


## Ø 630 DUCTS AND ACCESSORIES

Galvanised metal elements thickness 6/10. Diameter 630, for Omega 16-20. Ducts to be installed in galleries, ceiling service area, technical facility. Plan to use PVC for buried ducts.

| Designation / Model | Reference |
|---|---|
| Galvanised duct Ø 630 (ml) shipped in 2m lengths | WCH01182 |
| Galvanised elbow 90° Ø 630 | WCH03329 |
| Galvanised elbow 45° Ø 630 | WCH03424 |
| Male sleeve Ø 630 | WCH03325 |
| Female sleeve Ø 630 | WCH03720 |
| Cap Ø 630 | WCH03330 |
| T 90° equal Ø 630 | WCH03326 |
| Reducer Ø 630/500 | WCH03327 |
| Reducer Ø 630/400 | WCH03328 |

T 90° equal



Reducer

# SET®

## > A RANGE OF PREMIUM PRODUCTS

By acquiring Schmidt EnergieTechnik (SET®) in 2013, Zodiac® chose to strengthen its top-of-the-range offer by relying on **recognised expertise and know-how** in the fields of dehumidification and heating the swimming pool. Designed for the most demanding consumers, products in the Zodiac® SET® range are **made to order, for ultra-specific production with cutting-edge performance.**

### > SET® HEATING

A true gold standard in heat pumps, SET® has designed an ultra-silent heat pump to heat the water in outdoor swimming pools.

Using **an optimised design combined with a variable-speed 'Green-Tech' fan,** Z600 Silent makes less noise than even the quietest dishwasher. It also meets the strictest standards relating to noise in the Swiss Canton of Basel.

### > SET® DEHUMIDIFICATION

SET® dehumidification systems are cutting-edge solutions, designed to **dehumidify the air in indoor swimming pools,** whether private or public, small or large, luxury or functional.

In addition to dehumidifying the pool hall, they also renew the air while ensuring performance and energy savings.

The range of Zodiac® SET® dehumidification systems is particularly recommended for hotels, medical facilities or sports and leisure centres.

### > GERMAN HIGH QUALITY

Founded at Hemmingen in Germany over 20 years ago, SET® has offered avant-garde products right from the very start, promoting **the unequalled quality and robustness of its equipment, 'Made in Germany'.**

**Designed to operate sustainably,** Zodiac® SET® solutions comprise Titanium heat exchangers, anodised aluminium casings and a very high quality finish.

**MADE IN GERMANY**

### > A SIZING SERVICE AVAILABLE TO HELP YOU

Benefit from **the support of the Zodiac®** design office or size Zodiac® systems yourself on the internet using the **'BilPi' software**. To find out more, see the 'Services' section in the introduction to this catalogue.

**SERVICES +**

**REFERENCE POINT**
Zodiac® offers service solutions to help you. Find these services in this catalogue using this pictogram.

# Z600 Silent

**SET** ENERGIE TECHNIK

+ Always the quietest
+ Industrial design, reflecting its strength
+ Made to order in Germany

**2** YEAR WARRANTY

**5** YEAR CONDENSER WARRANTY ANTI-CORROSION

SERVICES + | Ti·22 TITANE INSIDE | ECO-FRIENDLY | REVERSIBLE | MADE IN GERMANY

|  | Z600 Silent MD5 | Z600 Silent MD7 | Z600 Silent TD7 | Z600 Silent TD9 | Z600 Silent TD12 |
|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | |
| Standard model | WH000377 | WH000378 | WH000379 | WH000380 | WH000381 |

### EQUIPMENT

- Horizontal blowing
- Aluminum body, reinforced acoustic protection
- Digital display
- Heating priority mode (filtration pump control)
- Automatic cooling mode
- Automatic defrosting (cycle inversion or forced ventilation)
- Anti-freeze thermostat (minimum operating temperature: -8°C )
- HP & LP safety pressure switch
- Water flow switch
- Titanium water exchanger condenser
- Rotary vane compressor
- Thermostatic expansion valve
- Refrigerant fluid: R410A

| PERFORMANCE: AIR AT 24°C / WATER AT 27°C / HUMIDITY 80% | | | | | |
|---|---|---|---|---|---|
| Operating power (kW) | 12,4 | 16,2 | | 25,7 | 34,7 |
| Consumed power (kW) | 1,83 | 2,38 | 2,35 | 3,93 | 5,18 |
| COP | 6,7 | 6,8 | | 6,5 | 6,6 |

| PERFORMANCE: AIR AT 16°C / WATER AT 25°C / HUMIDITY 80% | | | | | |
|---|---|---|---|---|---|
| Operating power (kW) | 10,2 | 13,8 | | 20,6 | 27,9 |
| Consumed power (kW) | 1,8 | 2,51 | 2,4 | 3,7 | 5 |
| COP | 5,6 | 5,5 | 5,8 | 5,5 | 5,6 |

| TECHNICAL SPECIFICATIONS | | | | | |
|---|---|---|---|---|---|
| Recommended pool volume* (m³) | < 60 | < 80 | | < 120 | < 160 |
| Average water flow (m³/h) | 8 | 9 | | 15 | 17 |
| Hydraulic connection | 3 piece union fitting, PVC, Ø50, glued | | | | |
| Electric power supply | 230 V / 1 / 50Hz | 230 V / 1 / 50 Hz | 400 V / 3 / 50Hz | | |
| Nominal operating power (A) | 9,2 | 12,7 | 5,2 | 8,3 | 10,8 |
| Recommended power cable size ** | 3 x 2.5 | 3 x 4 | 5 x 2.5 | | 5 x 4 |
| Electrical protection | 1P+N 16A | | 3P+N 16A | | |
| Refrigerant fluid quantity (kg) | 0,8 | 1,65 | | 1,8 | 2,8 |
| Acoustic power (dB(A)) | 58 | | | 60 | |
| Acoustic pressure at 10m (dB(A)) | 30 | | | 32 | |

*Estimated average values for a private pool with isothermal cover, from 15 May to 15 September. For year-round / indoor pool operation, check out the Bilpi sizing tool on your pro page.
**Cable not provided. Recommended section for a maximum length of 20 meters.

## DIMENSIONS (MM) AND WEIGHT

|  | Z600 Silent MD5 | Z600 Silent MD7 | Z600 Silent TD7 | Z600 Silent TD9 | Z600 Silent TD12 |
|---|---|---|---|---|---|
| Weight (kg) | 95 | 106 | 106 | 180 | 212 |
| L | 1300 | 1450 | 1450 | 1450 | 1450 |
| H | 780 | 970 | 1940 | 970 | 1560 |
| A | 384 | 384 | 384 | 384 | 384 |
| B | 97,5 | 97,5 | 97,5 | 97,5 | 97,5 |
| C | 177,5 | 177,5 | 177,5 | 177,5 | 177,5 |
| D | 50 | 50 | 50 | 50 | 50 |
| E | 138 | 138 | 138 | 897 | 1088 |

Z600 Silent MD5 MD7 and TD7



Z600 Silent TD9 and TD12



## INSTALLATION

- Outside, close to the technical room, at sufficient distance from the pool (according to applicable electrical standards).

- On a stable, solid and level surface.

- Between the heat pump and its surroundings (walls, plants, etc.), maintain minimum distances as shown in the diagram below.



## OPTIONAL ACCESSORIES

|  |  |  |
|---|---|---|
|  | Cleaning kit HP | Remote control, Z600 |
|  | Specifically formulated for evaporator cleaning. Kit includes an 5L can and a spray bottle | Transfers information and commands of the embedded interface. (Cable not provided). |
| reference | WMA03491 | R0871200 |

# > DEHUMIDIFICATION SYSTEMS

Zodiac® SET® dehumidification systems treat the air of indoor swimming pools, private or public, small or large, luxury or functional, in hotels, medical facilities or sports and leisure centres.

They provide:
- **Dehumidification,**
- **Air heating,**
- **Air replacement (or ventilation):** extraction of stale air and introduction of fresh air into the pool hall and, if necessary, adjoining spaces.

As an option, they can also be equipped with a **water-cooled condenser to heat the water in the pool.**

## > DESCRIPTION

**With modular construction (easy to transport) and an aluminium profile frame with insulated panels,** dehumidification systems are equipped with:

- A heat pump,
- A hot water battery,
- Low power direct current fans,
- Filters,
- Motorised dampers,
- Complete regulation performing control and regulation functions, with LCD screen.

**SA1 SYSTEM**



Blowing outlet — Fresh air intake — Discharge outlet — Evaporator — Extraction outlet — Blower fan — Hot water battery — Condenser — Dampers — Compressor — Extractor fan

**Heat pump**

**SA2 / SA3 SYSTEM**



Extractor fan — Filter — Air / air plate heat exchanger — Dampers — Extraction outlet — Fresh air intake — Blowing outlet — Discharge outlet — Blower fan — Hot water battery — Condenser — Compressor — Water heat exchanger to pool (option) — Evaporator

**Heat pump**

## > DESCRIPTION

The SA2 and SA3 ranges are **also equipped with a EUROVENT-certified counter-current heat exchanger,** recovering up to 75% of the energy in the extracted air and so reducing the energy consumption needed to dehumidify, heat and renew the air in the swimming pool.

## SELECTION GUIDE

| SELECTION GUIDE | SA1 | SA2 | SA3 |
|---|---|---|---|
| Dehumidification capacity | < 38 L / h | < 38 L / h | < 159 L / h |
| Air renewal | • | • | • |
| Air / air heat exchanger | | • | • |
| Integrated hot water battery | • | • | • |
| Swimming pool condenser (option) | • | • | • |

# SA 1 Ducted dehumidification unit

Set > Dehumidification > SA 1

+ Modular unit available for 6 capacities (6 to 38 L/h)
+ Operating mode managed automatically, including fresh air introduction
+ Top-of-the-range equipment
+ Water heating option (water condenser)

**2 YEAR WARRANTY**

SERVICES +

ECO-FRIENDLY

Product offered for sale on the «pool dealer» channel

| | SA1010 | SA1020 | SA1028 | SA1040 | SA1050 | SA1060 |
|---|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | | |
| Standard model | WD001006 | WD001010 | WD001014 | WD001018 | WD001022 | WD001026 |
| Standard model with water condenser | WD001007 | WD001011 | WD001015 | WD001019 | WD001023 | WD001027 |
| Mirror model | WD001008 | WD001012 | WD001016 | WD001020 | WD001024 | WD001028 |
| Mirror model with water condenser | WD001009 | WD001013 | WD001017 | WD001021 | WD001025 | WD001029 |
| Clock option | WD001054 | | | | | |
| Filter detection model | WD001055A | | | | | |

Our design office is ready to propose the dehumidifcation unit, specifically dimensioned for your project, with its equipment. You'll gain a complete calculation of your installation and the best dehumidification solution on request : BE@zodiac.com

## EQUIPMENT

• Heat pump, R407C refrigerant
• Low energy, direct current fans (EC)
• Aluminium profile frame with insulated panel
• Microprocessor control and regulation unit
• Motorised dampers to control air flow
• Temperature and humidity sensors

• Hot water battery with regulating valve
• noise-suppressing mounts
As fitted option:
• Titanium condenser to heat the pool water, clock
• Clock to program bathing and resting times
• Filter detection to indicate filter clogging

## TECHNICAL SPECIFICATIONS

| | SA1010 | SA1020 | SA1028 | SA1040 | SA1050 | SA1060 |
|---|---|---|---|---|---|---|
| Capacity as per VDI2089 (litre/hr) | 6.3 | 12.7 | 17.8 | 25.4 | 31.8 | 38.1 |
| Recycling capacity (litre/hr) | 3.3 | 4.1 | 6.1 | 10.1 | 11.5 | 13.8 |
| Air flow rate (m³/h) | 1000 | 2000 | 2800 | 4000 | 5000 | 6000 |
| Proportion of fresh air (%) | 0-100 | | | | | |
| Available pressure at air outlet | 240 | | | 350 | | |
| Available pressure at the air intake | 260 | 240 | | 400 | | |
| Maximum absorbed power (kW) | 2.5 | 3.3 | | 5.2 | 5.9 | 6.4 |
| Power returned in recycling (kW) | 3.9 | 4.8 | 7.1 | 9.7 | 11.4 | 13.6 |
| Power of hot water battery (80/60°C) (kW) | 10 | 17.3 | 20.2 | 45.8 | 53 | 58 |
| Flow rate of hot water battery (80/60°C) (m³/h) | 0.45 | 0.9 | | 2 | 2.3 | 2.6 |
| Pressure drop of hot water battery (80/60°C) (kPa) | 5 | 10 | | 16 | | |
| Electricity supply | 400V / 3N / 50Hz | | | | | |
| Current fuse (A) | 3 x 10 | 3 x 16 | | 3 x 20 | | 3 x 25 |
| Sound pressure at 1m (dB(A)) | 55 | 61 | 63 | 81 | | 84 |

* characteristics under the following nominal conditions: air 30°C, hygrometry 60-80%

## DIMENSIONS AND WEIGHT

| | SA1010 | SA1020 | SA1028 | SA1040 | SA1050 | SA1060 |
|---|---|---|---|---|---|---|
| Overall dimensions (L x W x H in mm) | 2240x740x640 | 2880x790x740 | | 3825x985x985 | 3825x1185x985 | |
| Maximum delivery dimensions (L x W x H in mm) | 1100x740x640 | 1400x790x740 | | 2100x985x985 | 2100x1185x985 | |
| Model weight (kg) without options fitted | 130 | 210 | 220 | 420 | 450 | 470 |

## TAPPING OPTIONS

Intake, outlet, fresh air intake and air discharge tappings can be connected in different positions. To be specified with the order.

Standard model



View from above

Access panel

Mirror model



View from above
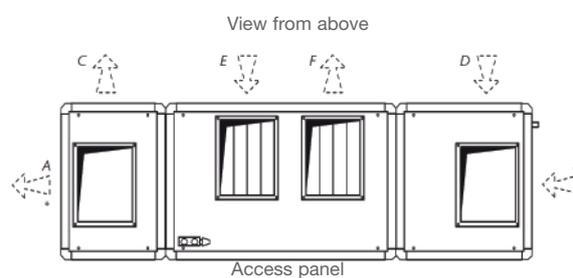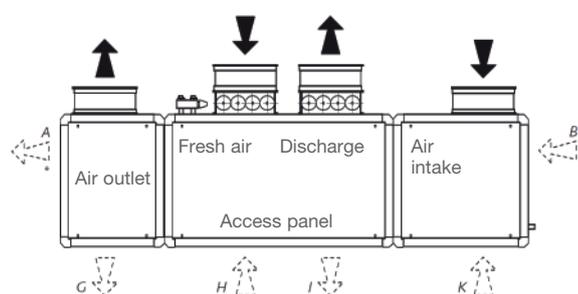
Access panel
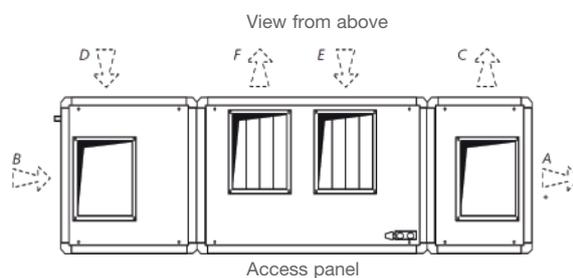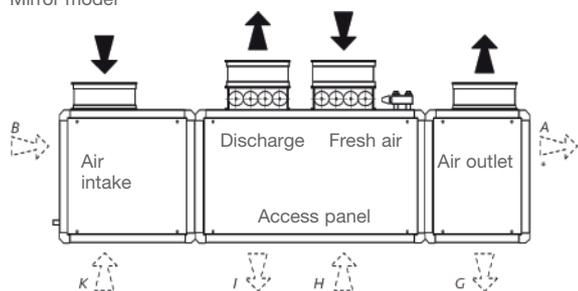
* +150 mm length

| | side | rear | bottom |
|---|---|---|---|
| Air outlet | A | C | G |
| Fresh air | - | E | H |
| Air intake | B | D | K |
| Discharge | | F | I |

# SA 2 Ducted dehumidification unit with air/air exchanger

Set > Dehumidification > SA 2

+ Modular unit with double air intake/air outlet heat exchanger available for 6 capacities (7 to 38 L/h)
+ Operating mode managed automatically, including fresh air introduction
+ Top-of-the-range equipment
+ Water heating option (water condenser)

**2 YEAR WARRANTY**

**SERVICES +**

**ECO-FRIENDLY**

**ENERGY SAVING**

Product offered for sale on the «pool dealer» channel

| | SA2012 | SA2028 | SA2032 | SA2040 | SA2050 | SA2060 |
|---|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | | |
| Standard model | WD001030 | WD001032 | WD001034 | WD001036 | WD001038 | WD001040 |
| Standard model with water condenser | WD001031 | WD001033 | WD001035 | WD001037 | WD001039 | WD001041 |
| Clock option | WD001054 | | | | | |
| Filter detection model | WD001055A | | | | | |

Notre bureau d'études est à votre service pour vous proposer la centrale de déshumidification, dimensionnée spécifiquement pour votre projet, et ses equipment.
Vous disposerez ainsi d'une étude complète de votre installation et de la solution de déshumidification adaptée en nous contactant : BE@zodiac.com

## EQUIPMENT

- Heat pump, R407C refrigerant
- Low energy, direct current fans (EC)
- Aluminium profile frame with insulated panel
- Double reverse-flow plate heat exchanger, EUROVENT certified, with plastic-coated aluminium plates and bypass
- Microprocessor control and regulation unit
- Motorised dampers to control air flow
- Temperature and humidity sensors
- Hot water battery with regulating valve
- noise-suppressing mounts
As fitted option:
- Titanium condenser to heat the pool water, clock
- Clock to program bathing and resting times
- Filter detection to indicate filter clogging

## TECHNICAL SPECIFICATIONS

| | SA2012 | SA2028 | SA2032 | SA2040 | SA2050 | SA2060 |
|---|---|---|---|---|---|---|
| Capacity as per VDI2089 (litre/hr) | 7.6 | 17.8 | 20.3 | 25.4 | 31.8 | 38.1 |
| Recycling capacity (litre/hr) | 3.6 | 6.4 | 9.6 | 10.1 | 11.5 | 13.8 |
| Air flow rate (m³/h) | 1200 | 2800 | 3200 | 4000 | 5000 | 6000 |
| Proportion of fresh air (%) | 0-100 | | | | | |
| Reverse-flow heat exchanger efficiency (8°C/80%-28°C/60%) | 61 | 69 | | 66 | | |
| Available pressure at air outlet | 220 | 240 | | 400 | | |
| Available pressure at the air intake | 270 | 260 | | 400 | | |
| Maximum absorbed power (kW) | 2.2 | 3.4 | 3.8 | 5.2 | 5.9 | 6.4 |
| Power returned in recycling (kW) | 3.7 | 6.4 | 9.3 | 9.7 | 11.4 | 13.6 |
| Power of hot water battery (80/60°C) (kW) | 11.2 | 21 | 24 | 45.8 | 53 | 58 |
| Flow rate of hot water battery (80/60°C) (m³/h) | 0.43 | 1 | | 2 | 2.3 | 2.6 |
| Pressure drop of hot water battery (80/60°C) (kPa) | 5 | 14 | | 16 | | |
| Electricity supply | 400V / 3N / 50Hz | | | | | |
| Current fuse (A) | 3x10 | 3x16 | | 3x20 | | 3x25 |
| Sound pressure at 1m (dB(A)) | 55 | 75 | | 81 | | 84 |

* caractéristiques aux conditions nominales suivantes : air 30°C, hygrométrie 60-80%

## DIMENSIONS AND WEIGHT

|  | SA2012 | SA2028 | SA2032 | SA2040 | SA2050 | SA2060 |
|---|---|---|---|---|---|---|
| Overall dimensions (L x W x H in mm) | 2640x740x1236 | 2845x790x1436 | | 3170x985x1970 | 3170x1185x1970 | |
| Maximum delivery dimensions (L x W x H in mm) | 1500x740x1236 | 1700x790x1436 | | 1970x985x1970 | 1970x1185x1970 | |
| Model weight (kg) without options fitted | 330 | 350 | 400 | 420 | 450 | 470 |

# SA 3  Ducted dehumidification unit with air/air exchanger

**ENERGIE TECHNIK**

Set > Dehumidification > SA 3

+ Modular unit with double air intake/air outlet heat exchanger available for 6 capacities (44 to 159 L/h)
+ Operating mode managed automatically, including fresh air introduction
+ Top-of-the-range equipment
+ Water heating option (water condenser)

**2 YEAR WARRANTY**

SERVICES +   ECO-FRIENDLY   ENERGY SAVING

Product offered for sale on the «pool dealer» channel

|  | SA3070 | SA3100 | SA3125 | SA3160 | SA3190 | SA3250 |
|---|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | | |
| Standard model | WD001042 | WD001044 | WD001046 | WD001048 | WD001050 | WD001052 |
| Standard model with water condenser | WD001043 | WD001045 | WD001047 | WD001049 | WD001051 | WD001053 |
| Clock option | WD001054 | | | | | |
| Filter detection model | WD001055A | | | | | |

Notre bureau d'études est à votre service pour vous proposer la centrale de déshumidification, dimensionnée spécifiquement pour votre projet, et ses equipment.
Vous disposerez ainsi d'une étude complète de votre installation  et de la solution de déshumidification adaptée en nous contactant : BE@zodiac.com

## EQUIPMENT

- Heat pump, R407C refrigerant
- Low energy, direct current fans (EC)
- Aluminium profile frame with insulated panel
- Double reverse-flow plate heat exchanger, EUROVENT certified, with plastic-coated aluminium plates and bypass
- Microprocessor control and regulation unit
- Motorised dampers to control air flow

- Temperature and humidity sensors
- Hot water battery with regulating valve
- noise-suppressing mounts
As fitted option:
- Titanium condenser to heat the pool water, clock
- Clock to program bathing and resting times
- Filter detection to indicate filter clogging

## TECHNICAL SPECIFICATIONS

| | SA3070 | SA3100 | SA3125 | SA3160 | SA3190 | SA3250 |
|---|---|---|---|---|---|---|
| Capacity as per VDI2089 (litre/hr) | 44.5 | 63.6 | 79.5 | 101.7 | 120.8 | 159 |
| Recycling capacity (litre/hr) | 14 | 21.2 | 23 | 33.3 | 38.7 | 55.8 |
| Air flow rate (m³/h) | 7000 | 10000 | 12500 | 16000 | 19000 | 25000 |
| Proportion of fresh air (%) | 0-100 | | | | | |
| Reverse-flow heat exchanger efficiency (8°C/80%-28°C/60%) | 76 | | 69 | 72 | | 73 |
| Available pressure at air outlet | 400 | | | | | |
| Available pressure at the air intake | 400 | | | | | |
| Maximum absorbed power (kW) | 8.7 | 15 | 16.5 | 23 | 31 | 39.5 |
| Power returned in recycling (kW) | 12.9 | 18.9 | 21.2 | 30.6 | 36.6 | 51.6 |
| Power of hot water battery (80/60°C) (kW) | 58 | 91 | 114 | 146 | 174 | 228 |
| Flow rate of hot water battery (80/60°C) (m³/h) | 3.9 | | 4.9 | 6.2 | 7.4 | 9.8 |
| Pressure drop of hot water battery (80/60°C) (kPa) | 11 | | | | 20 | 24 |
| Electricity supply | 400V / 3N / 50Hz | | | | | |
| Current fuse (A) | 3x35 | 3 x 50 | 3x50 | 3x63 | 3x100 | 3x125 |
| Sound pressure at 1m (dB(A)) | 86 | 88 | 87 | 90 | 96 | 90 |

* caractéristiques aux conditions nominales suivantes : air 30°C, hygrométrie 60-80%

## DIMENSIONS AND WEIGHT

| | SA3070 | SA3100 | SA3125 | SA3160 | SA3190 | SA3250 |
|---|---|---|---|---|---|---|
| Overall dimensions (L x W x H in mm) | 5550x1050x2200 | | 5550x1350x2200 | 5790x1350x2800 | 5910x1680x2800 | 7110x1680x3460 |
| Maximum delivery dimensions (L x W x H in mm) | 2730x1050x2200 | | 2730x1350x2200 | 2970x1350x2800 | 2970x1680x2800 | 3210x1680x3460 |
| Model weight (kg) without options fitted | 1400 | 1760 | 1950 | 2100 | 2300 | 3550 |
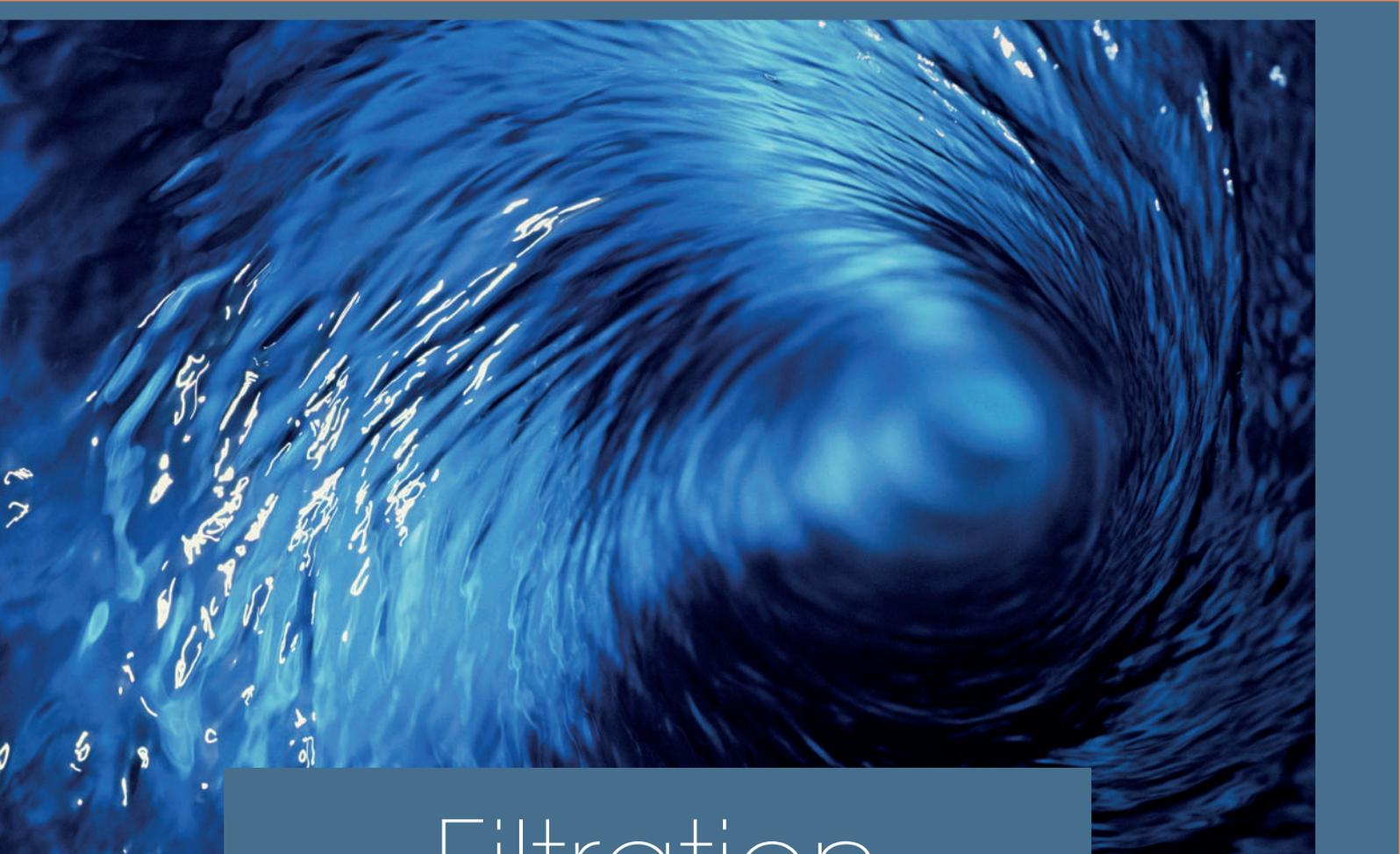
SET®

# Filtration

# > ZODIAC® FILTRATION, A RANGE DESIGNED FOR YOU

Zodiac® is expanding its pool equipment solution by offering a complete range of pumps and filters.

Using Zodiac® expertise that has been proven on the American and Australian markets, **this range has been designed with your needs in mind, to help you give customer satisfaction**.

## > A SOLUTION ADAPTED TO EVERY NEED

### • PUMPS

**FloPro™ VS**
**Variable speed pump**

8 speeds for maximum energy efficiency

**iQPUMP**
**Wi-Fi device for FloPro™ VS**

Zodiac® innovation :

Connected pump for intuitive control from your smartphone

**FloPro™ e3**
**Variable-speed pump**

Simple and energy efficient

**FloPro™**
**Single-speed pump**

A range of long-lasting and efficient pumps

### • FILTERS

**CS**
**Cartridge filters**

Eco-friendly cartridge filters for the finest filtration

**MS**
**Polyester filters**

A range of efficient and long-lasting premium media filters

**CRYSTAL CLEAR**
**Glass filter media**

Filter glass that is suitable for any type of sand filter for crystal clear water

# BUILT TO LAST

The filtration system is the heart of a pool, so it is of the utmost importance that it is built-to-last.

## > QUALITY THAT STANDS THE TEST OF TIME

The Zodiac® group has been specialising in the manufacture of filtration equipment for many years.

- **A leading group:** Zodiac® filters and pumps are available throughout the world.

- **Market expertise**: technology that has been sold for 10 years in the United States and 9 years in Australia.

- **Highly reliable:** long-term customer satisfaction.

APPROVED QUALITY APPROVED

## > QUALITY THAT HAS BEEN CHECKED IN OUR LABORATORIES

Products in our filtration range undergo endurance testing in our laboratories in France and Europe before they are released.

**600,000+ hours of tests were carried out on engines and wear parts** before the launch of the European range.

## > QUALITY GUARANTEED

- **3-year warranty** on pumps, filters **and all parts,** including wear parts.

- **5-year warranty** for cartridge filters and **10-year warranty** on polyester filter tanks.

**3** YEAR WARRANTY ALL PARTS

**10** UP TO YEAR WARRANTY ON TANKS ( MS FILTER)

## > INCREASED HYDRAULIC EFFICIENCY

FloPro™ pumps are among the best performing in their category thanks to a high water flow to power ratio.

As proof, the 3/4 HP (75M) FloPro™ pump provides water flow similar to that of numerous 1 HP* pumps on the market.

**The outcome is up to 25% energy savings for exactly the same results.**

mH2O

FloPro 1CV

FloPro 3/4CV

m³/h

| | | | |
|---|---|---|---|
| Model A 1CV | Model B 1CV | Model E 1CV | Model H 1CV |
| FloPro 1CV | Model C 1CV | Model F 1CV | Model I 1CV |
| FloPro 3/4CV | Model D 1CV | Model G 1CV | |
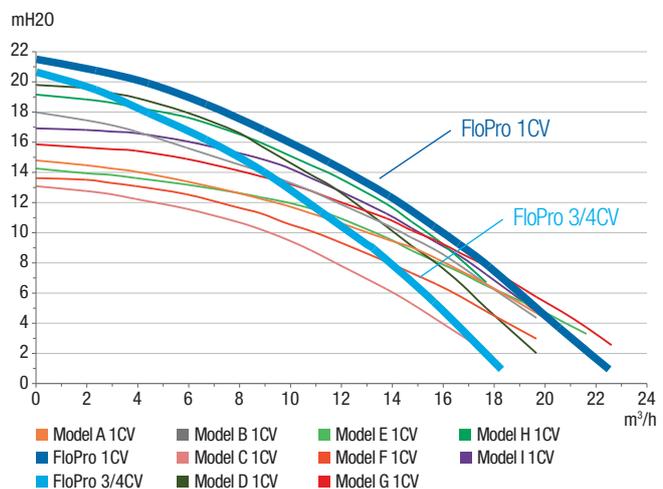
* Comparison based on performance graphs published by manufacturers.

# EASY TO INSTALL

Our filtration range has been well thought-out to make your everyday life easier: **simple, quick to install and easy to maintain.**

## > PUMPS THAT ARE EASY TO INSTALL, EVEN WHEN REPLACING

All Zodiac® filtration pumps are available from a unique FloPro™ platform that guarantees the same installation, replacement and maintenance advantages, for all models in our filtration range.

**Strengths:**

**1** Suction and discharge with **double thread** (external and 2'' internal),

**2** Exclusive 63/50 mm **union connectors**,

**3** Bases to elevate the pump (included with FloPro™ VS, optional for other models)

- **Easy Retrofit:**
  Pumps can be installed without changing the piping and can be **easily fitted into the majority of existing installations, thanks to the bases.**
- Easy Retrofit system is valuable for both single speed and variable speed versions of a same pump model.
- Replacement compatibility based on data published by manufacturers. A tolerance of +/- 10 mm is acceptable if [intake pipe length] = 4x[pipe diameter], according to applicable hydraulics standards.

Pump models written in purple are Easy Retrofit compatible for both inlet and outlet.
Pump models written in blue are Easy Retrofit compatible for inlet only (slight outlet pipe modification needed).

| UPDATED LIST | |
|---|---|
| **Pump to replace** | **Retrofit solution** |
| **Calpeda®** : MPC 11, 21, 31 & 41 (without base) <br> **Hayward®** : TriStar, SuperPump, Max-Flo XL, Max-Flo, SuperPool, SuPerPool II, Super II, RS II <br> **Kripsol®** : Koral-KSE / KSV, Caribe-CK, Ondina-OK, Epsilon-EP, Prime-KPR / KPRV, KS Evo, KSX Pro <br> **KSB®** : Filtra N <br> **Pentair®** : SuperFlo <br> **Procopi®** : Eurostar II, Eurostar Eco Touch Pro <br> **PSH®** : Mini.3, Lia S, ND.1, ND.2 <br> **Saci®** : Optima <br> **Speck** : BADU Bettar / TOP / Magna, BADU Gamma, BADU Eco Touch-Pro / Eco Soft, BADU90, BADU Prime / Prime Eco VS <br> **StaRite®** : SuperMax, S5P1R <br> **Waterco®** : Aquamite, Supatuf | **A** <br> FloPro™, without base |
| **Aqua Technix®** : Aqua Master <br> **DAB®** : Swim, Euroswim & Europro 50, 75 & 100, E-Swim <br> **Espa®** : Silen Plus 1M, Silen Plus 2M / 3M, Silen S, Silen S2, Silver <br> **Majestic®** : Master <br> **Saci®** : Winner, [e]Winner <br> **Speck®** : BADU Profi <br> **Waterco®** : Supasteam | **B** <br> FloPro™ + thin base |
| **AstralPool®** : Europa <br> **Davey®** : Silensor SLS, Silensor SLL, SilensorPro VSD200, SilensorPro VSD400 <br> **Pentair®** : UltraFlow, UltraFlow Plus, Max-E-ProXF, 5PXF <br> **Speck®** : BADU EasyFit <br> **Starite®** : Ultra-Glas, S5P3R | **C** <br> FloPro™ + thin base + spacing |
| **AstralPool®** : Victoria Plus, Victoria Plus Silent, Glass Plus, Discovery, Niagara <br> **Calpeda®** : MPC 11, 21, 31 & 41 (avec son socle) <br> **Pentair®** : Challenger, WhisperFlo <br> **StaRite®** : WhisperPro, S5P5R | **D** <br> FloPro™ + thick base |
| **StaRite®** : 5P2R, S5P2R, 5P6R, SW5P6R, Max-E-Pro <br> **Waterco®** : Lacronite, Lacronite ECO-V | **E** <br> FloPro™ + thick + thin base |

# DESIGNED TO ATTRACT YOUR CLIENTS

Our filtration range has been created based on the needs expressed by a panel of consumers*. So, this new range and its specific advantages will be sure to win your customers over.

## > STRONG GUARANTEES

**86%* of consumers are looking for reliable, long-lasting products**

- 3-year warranty on pumps and filters, and all parts, including wear parts (mechanical interiors, pre-filter basket, joints, filter screens, etc.).
- 5-year warranty on filter tanks.

**3** YEAR
WARRANTY
ALL PARTS

UP TO
**10** YEAR
WARRANTY
ON TANKS
( MS FILTER)

## > EASY MAINTENANCE

**75% of consumers favour the ease of maintenance**

- All our pumps come fitted with a very large pre-filter basket (2.6 L) for easy maintenance, meaning you can wait longer between cleyears.

LARGE
CAPACITY

UP TO 117%
LARGER
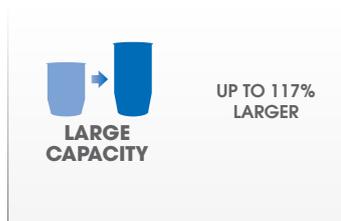
## > ENERGY SAVINGS

**66% of consumers want to take control of their energy consumption**

- Our variable-speed pumps are incomparably energy-efficient.
- Our single-speed pumps are high-performance, which meyears you can use less powerful models (depending on the dimensions).

ECO
FRIENDLY

## > DEDICATED SERVICES

**Our filtration range is combined with a system of dedicated and exclusive services for optimal response time:**

### Customer service hotline
Calls are given priority with a dedicated team of filtration experts.

### After sales requests
Requests are given priority and parts or products are replaced within 24 hours.

### Dispatch
Replacement parts are sent and products under warranty are dispatched and returned by prepaid postage.

*"Use and Attitudes" consumer survey conducted in France in 2015 on a representative sample of 779 people.

# A COMPLETE RANGE TO SUIT EVERY NEED

## > VARIABLE SPEED, THE NEW ECO-SILENT STANDARD

The variable speed pump can operate for a longer daily duration at a lower speed, while offering **4 essential advantages:**

### 1) SILENT OPERATION
Zodiac® variable-speed pumps emit up to 24 dB(A)* less than a single-speed pump, which is equivalent to the noise level in a library.

**Did you know?**
A reduction of 3 dB(A) represents a noise that is perceived to be twice as quiet to the human ear.

### 2) ENERGY SAVINGS
Thanks to their TEFC** permanent magnet synchronous motors using ECM*** technology, Zodiac® variable-speed pumps help **reduce electric consumption by up to 90%**. So, in comparison with a single-speed pump, it pays for itself in just a few seasons.

**Did you know?**
Make sales easier using our online energy saving calculator to show your clients the savings they could make.

Zodiac® online energy saving calculator
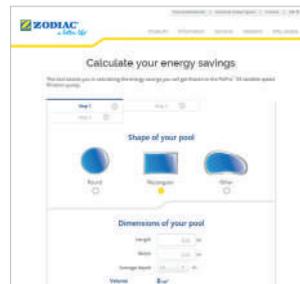
### 3) OPTIMISED WATER TREATMENT
Operating at a slower speed and with the flexibility to adapt to all pools, the speed at which the water passes through the filter is reduced and **filtration is greatly improved**. This also reduces the chances of the filter clogging.

**Did you know?**
The combined use of a variable-speed pump and a cartridge filter gives you an eco-friendly system that consumes less water (no backwash).

### 4) CONNECTIVITY
With the new iQPUMP Wi-Fi connecting device, it's now possible to **remotely manage FloPro™ VS pump thanks to the iAquaLink™ app**.

**Did you know ?**
Benefit from an intuitive user interface to control your filtration system thanks to iAquaLink™ app.
Manage the pump and program up to 10 timers without being on site.

*3* YEAR WARRANTY — LOW NOISE LEVEL — ENERGY SAVING — ECO FRIENDLY — LARGE CAPACITY — EASY MAINTENANCE — EASY RETROFIT

MIN MAX 0-3450 RPM

iAquaLink CONTROL

* Compared to a standard filtration pump emitting at least 66 dB(A). Values expressed in A-weighted acoustic power level according to ISO standard 3741.
** TEFC = Totally-Enclosed Fan-Cooled
*** ECM = Electronically Commutated Motor (= electronically controlled "brushless" motor)

## > SINGLE-SPEED PUMPS, LONG-LASTING AND EFFICIENT FOR ALL POOLS

FloPro™ pumps are designed with corrosion-resistant materials. The body of the pump is made of very thick polypropylene, **which makes it long-lasting and silent.**

Equipped with highly energy-efficient synchronous motors, the range is available in 9 models (from 0.5 to 2.0 HP, available in mono- or tri-phase, except for the 0.5 HP model) **to meet the needs of most pools.**

**The FloPro™ platform is compatible with most equivalent pumps on the market** with no restrictions and no need to alter piping, thanks to the "Easy Retrofit" system.

**3** YEAR WARRANTY

ALL TYPES OF SWIMMING POOLS

LARGE CAPACITY

EASY MAINTENANCE

EASY RETROFIT

### STANDARD INSTALLATION

1 FloPro™ pump
2 Boreal filter
3 Heating system
4 Water treatment system

FILTRATION
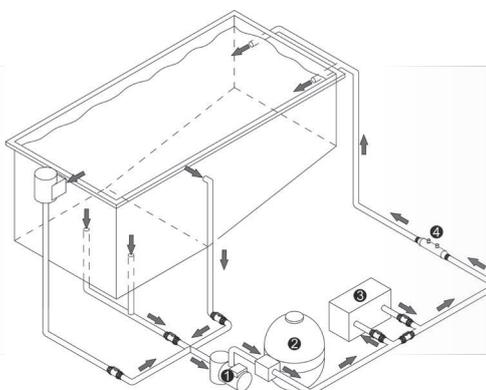
## COMPARATIVE TABLE OF THE RANGE

| | FloPro™ VS | FloPro™ VS AUT | FloPro™ e3 | FloPro™ |
|---|---|---|---|---|
| | Variable-speed pump, for maximum energy efficiency | | Variable-speed pump, simple and energy-efficient | Single-speed pumps, long-lasting and efficient for all pools |
| Warranty | 3 years | 3 years | 3 years | 3 years |
| "Easy retrofit" installation | • | • | • | • |
| Pump bases for Easy Retrofit | • | • | Option | Option |
| High capacity pre-filter | • | • | • | • |
| Number of speeds | 8 | 10 | 3 | 1 |
| Pump speed | 600-3450 RPM | | 1000-2850 RPM | 2850 RPM |
| Number of models | 1 | 1 | 1 | 9 |
| Power (P2) | 1,65 CV | | 1,0 CV | 0,5 à 2,0 CV |
| Max. pool volume | 100 m³ | | 80 m³ | Up to 150 m³ |
| Optimum efficiency | 30-80 m³ | | 15-60 m³ | N/A |
| Removable user interface | • | | | |
| Dry contacts control | • | | | |
| Compatible with Zodiac® AquaLink® TRi automation | Possible | • | | |
| Compatible with iQPUMP (smartphone control) | Possible | • | | |

# FloPro™ - Single speed

Filtration > Pumps > FloPro™

+ Built to last
+ High efficiency
+ Silent

ALL TYPES OF SWIMMING POOLS

EASY RETROFIT

ENERGY SAVING

**3 YEAR WARRANTY**

|  | FloPro™ 50M | FloPro™ 75M | FloPro™ 75T | FloPro™ 100M | FloPro™ 100T | FloPro™ 150M | FloPro™ 150T | FloPro™ 200M | FloPro™ 200T |
|---|---|---|---|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | | | | | |
| Standard model | WP000147 | WP000148 | WP000149 | WP000150 | WP000151 | WP000152 | WP000153 | WP000154 | WP000155 |

## ACCESSORIES INCLUDED IN THE PACK

63/50mm union tailpieces

## DESCRIPTION

| | |
|---|---|
| Operating mode(s) | Controlled by the filtration timer |
| Nominal speed | 2850 RPM |
| Safety features | Automatic shut down in case of high amperage / overheat situation |
| Filter basket volume | 2,6 L |
| Compatible pipework | DN50 mm & DN63 mm (2" inlet & outlet threaded ports, 63/50mm union tailpieces provided) |
| Use | Fresh water and salt water up to 6 g/L (6000 ppm) |

## TECHNICAL SPECIFICATIONS

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Pump type | Self-priming water pump | | | | | | | | |
| Motor type | Asynchronous motor, TEFC*, class F insulation | | | | | | | | |
| Efficiency | > 80 % (as per IE3 standard) | | | | | | | | |
| Output power HP (P2) | 0.5 | 0.75 | | 1 | | 1.5 | | 2 | |
| Output power Kw (P2) | 0.37 | 0.55 | | 0.75 | | 1 | | 1.5 | |
| Max amperage (A) | 3.5 | | 1.2 | 4.2 | 1.6 | 6 | 3.2 | 7.6 | 3.5 |
| Power supply | Single phase | | 3-phase | Single phase | 3-phase | Single phase | 3-phase | Single phase | 3-phase |
| Flow rate at 10m head (m³/h) | 10,3 m³/h | 13,2 m³/h | | 15,8 m³/h | | 20,8 m³/h | | 27 m³/h | |
| Maximum flow rate (m³/h) | 16,8 m³/h | 18,6 m³/h | | 22,9 m³/h | | 27,4 m³/h | | 35,5m³/h | |
| Maximum manometric Head (m) | 17,8 m | 20,7 m | | 21,5 m | | 22,3 m | | 24,5 m | |
| Maximum water temperature | 35 °C | | | | | | | | |
| Protection rating | IPX5 | | | | | | | | |

\* TEFC = Totally Enclosed Fan Cooled

9 317545 270357
FloPro™ 50M

9 317545 270364
FloPro™ 75M

9 317545 270371
FloPro™ 75T

9 317545 270388
FloPro™ 100M

9 317545 270395
FloPro™ 100T

9 317545 270401
FloPro™ 150M

9 317545 270418
FloPro™ 150T

9 317545 270425
FloPro™ 200M
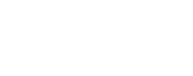
9 317545 270432
FloPro™ 200T

## PERFORMANCE

- Performance curves for FloPro™ single speed pump range.
- Manometric pressure is expressed as "pump head" in meters of water: 1 bar = 10.19 m.



Legend:
- FloPro 200
- FloPro 150
- FloPro 100
- FloPro 75
- FloPro 50

(Y-axis: mce, from 0 to 26; X-axis: m³/h, 0 to 36)
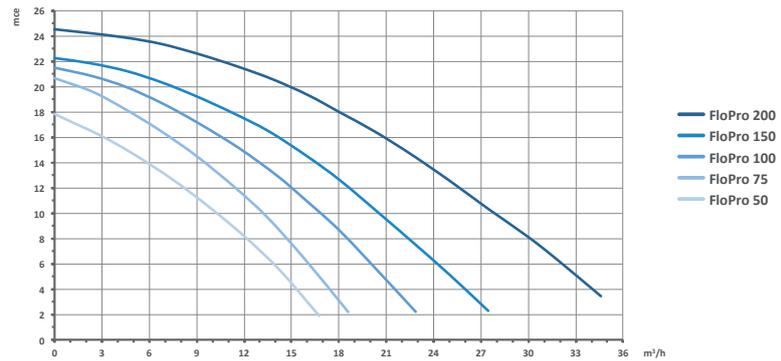
## DIMENSIONS AND WEIGHT

| | FloPro™ 50M | FloPro™ 75M | FloPro™ 75T | FloPro™ 100M | FloPro™ 100T | FloPro™ 150M | FloPro™ 150T | FloPro™ 200M | FloPro™ 200T |
|---|---|---|---|---|---|---|---|---|---|
| Length A | 58,3 cm | | 54,3 cm | 58,3 cm | 55,3 cm | 58,3 cm | 56,8 cm | 58,3 cm | |
| Height | 32,4 cm (without pump base) | | | | | | | | |
| Width | 25,4 cm | | | | | | | | |
| Weight (pump only) | 16 kg | 17 kg | | | 18 kg | 19 kg | 20 kg | 21 kg | |



254 mm — Ø2" — 324 mm — 195 mm — 165 mm — 240 mm — Ø2" — A — 270 mm — 235 mm

## INSTALLATION



Incorrect : Air retention and risk of incorrect pre-filter filling.

Incorrect : Suction pipe too short, risk of cavitation.

Correct : Length of suction pipe = 4 x pipe diameter (20cm for 50mm and 25cm for 63mm)

## OPTIONAL ACCESSORIES

## ASSOCIATED PRODUCTS

| | Thin pump base | Large pump base | CS Cartridge Filter | MS Filter |
|---|---|---|---|---|
| reference | R0486701 | R0546401 | WF000024/25 | WF000094/95/96/97 & 98 |

FILTRATION

# FloPro™ e3 - Variable speed

Filtration > Pumps > FloPro™ e3

+ Guaranteed energy savings
+ Ultra-silent
+ The variable speed essentials, for all pools up to 80m3

**ALL TYPES OF SWIMMING POOLS** · **EASY RETROFIT** · **ENERGY SAVING** · **ECO-FRIENDLY** · **LOW NOISE LEVEL**

**3 YEAR WARRANTY**

## FloPro™ e3 100

### PRODUCT REFERENCE

| | |
|---|---|
| Standard model | WP000156 |

### ACCESSORIES INCLUDED IN THE PACK

63/50mm union tailpieces

### DESCRIPTION

| | |
|---|---|
| User interface | 1-line LCD screen (blue) |
| Operating mode(s) | Controlled by the filtration timer |
| Number of speeds | 3 programmable speeds (+/- 50 RPM)<br>Factory settings: ECO (1400 RPM), Clean (2150 RPM) & BOOST (2850 RPM) |
| Priming | Automatic at startup (2 min at 2850 RPM) |
| Safety features | Automatic shut down in case of high amperage / overheat situation |
| Filter basket volume | 2,6 L |
| Compatible pipework | DN50 mm & DN63 mm (2" inlet & outlet threaded ports, 63/50mm union tailpieces provided) |
| Use | Fresh water and salt water up to 6 g/L (6000 ppm) |

### TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Pump type | Self-priming water pump |
| Motor type | Synchronous motor (ECM* technology), TEFC**, class F insulation |
| Efficiency | > 80 % (as per IE3 standard) |
| Output power HP (P2) | 1 |
| Output power Kw (P2) | 0.75 |
| Power supply | 220-240 VAC - 50 Hz |
| Flow rate at 10m head (m³/h) | 16,3 m³/h (at 2850 RPM) |
| Maximum flow rate (m³/h) | 22,4 m³/h |
| Maximum manometric Head (m) | 19,1 m |
| Maximum water temperature | 35 °C |
| Speeds | 1000 - 2850 RPM (adjsutable by 50 RPM increments) |
| Protection rating | IPX5 |

*: ECM = Electronically Commutated Motor
**: Totally-Enclosed Fan-Cooled

## PERFORMANCE

- Performance curves shown for example speeds (each speed has a unique curve).
- Manometric pressure is expressed as "pump head" in meters of water: 1 bar = 10.19 m.



— 2850 RPM
— 2150 RPM
— 1400 RPM
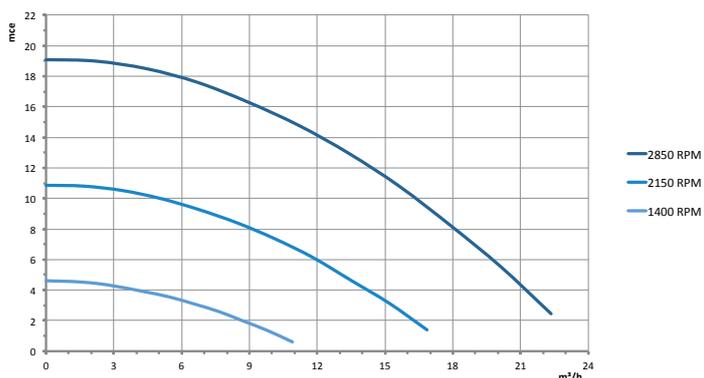
## DIMENSIONS AND WEIGHT

| Length | 58 cm |
|---|---|
| Height | 32,4 cm (without pump base) |
| Width | 25,4 cm |
| Weight (pump only) | 10 kg |
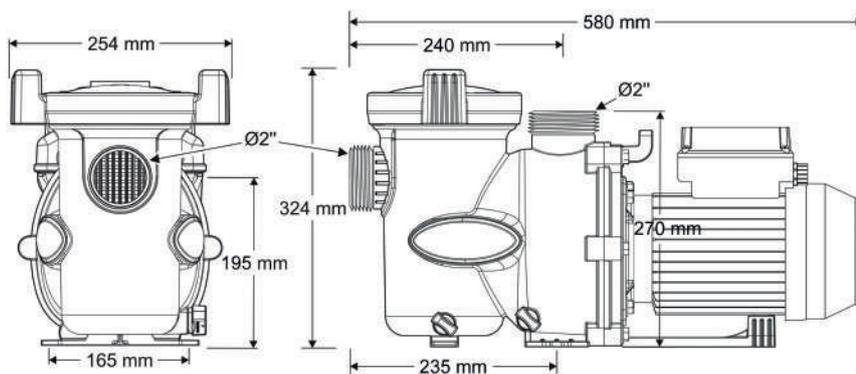


## INSTALLATION
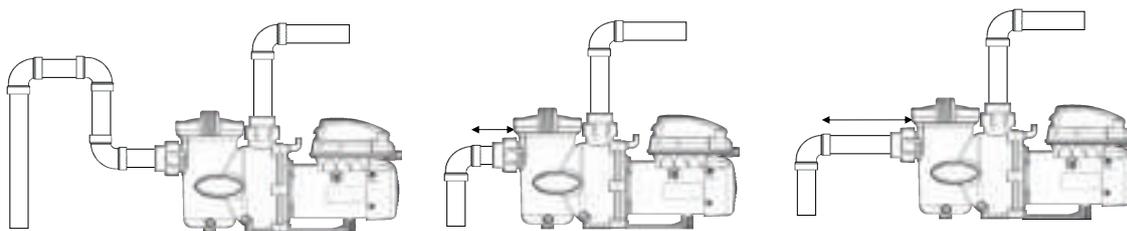


Incorrect: Air retention and risk of incorrect pre-filter filling.

Incorrect: Suction pipe too short, risk of cavitation.

Correct: Length of suction pipe = 4 x pipe diameter (20 cm for 50 mm and 25 cm for 63 mm).

**Spare parts p.302**

## OPTIONAL ACCESSORIES                          ## ASSOCIATED PRODUCTS



|  | Thin pump base | Large pump base | CS Cartridge Filter | MS Filter |
|---|---|---|---|---|
| reference | R0486701 | R0546401 | WF000024/25 | WF000094/95/96/97 & 98 |

# FloPro™ VS - Variable speed

Filtration > Pumps > FloPro™ VS

+ Guaranteed energy savings and silence
+ Smart operation
+ Remote control

**3** YEAR WARRANTY

ALL TYPES OF SWIMMING POOLS | EASY RETROFIT | ENERGY SAVING | ECO-FRIENDLY | LOW NOISE LEVEL | iAquaLink COMPATIBLE | MagnaPool ECOSYSTEM

| | FloPro™ VS | FloPro™ VS AUT |
|---|---|---|
| **PRODUCT REFERENCE** | | |
| Standard model | WP000003 | WP000079 |

**ACCESSORIES INCLUDED IN THE PACK**

| | | | |
|---|---|---|---|
| Wall mounting kit (standard Flo-Pro™ VS only) | Thin pump base | Large pump base | 63/50mm union tailpieces |

**DESCRIPTION**

| | FloPro™ VS | FloPro™ VS AUT |
|---|---|---|
| User interface | 1-line LCD screen (blue) | 1-line LCD screen (blue) |
| Languages | 6 (FR-EN-ES-DE-IT-NL) | 6 (FR-EN-ES-DE-IT-NL) |
| Operating mode(s) | Autonomous, connected to Zodiac® automation, external control by dry contacts | Autonomous, connected to Zodiac® automation, external control by dry contacts |
| Clock / Timer | 24h clock, timers (speeds 1 & 2), timeout mode (speeds 3 & 4) | Via iAquaLink™ app (up to 10 timers) |
| Number of speeds | 8 programmable and assignable speeds (+/- 10 RPM) | 10 programmable speeds via iAquaLink™ app |
| Priming | Automatic at startup, adjustable priming speed and duration | |
| Safety features | Electronic freeze protection Automatic shut down in case of high or low tension | |
| Filter basket volume | 2,6 L | |
| Compatible pipework | DN50 mm & DN63 mm (2" inlet & outlet threaded ports, 63/50mm union tailpieces provided) | |
| Use | Fresh water and salt water up to 6 g/L (6000 ppm) | |

**TECHNICAL SPECIFICATIONS**

| | |
|---|---|
| Pump type | Self-priming water pump |
| Motor type | Permanent magnet synchronous motor (ECM* technology), TEFC**, class F insulation |
| Efficiency | > 80 % (as per standard IE3) |
| Output power HP (P2) | 1,65 HP / 1,23 kW |
| Output power Kw (P2) | 1.23 |
| Power supply | 220-240 VAC - 50/60 Hz |
| Flow rate at 10m head (m³/h) | 24,1 m3/h (at 3450 RPM) |
| Maximum flow rate (m³/h) | 30,7 m³/h |
| Maximum manometric Head (m) | 21,5 m |
| Maximum water temperature | 35 °C |
| Speeds | 600 - 3450 RPM (adjustable by 10 RPM increments) |
| Protection rating | IPX4 |
| Connections for external controls | RS485 for connection to AquaLink® TRi or iQPUMP, dry contact for external activation (speeds 1 to 4) | RS485 for connection to AquaLink® TRi or iQPUMP |

9 317545 023991    9 317545 021102

FloPro™ VS          FloPro™ VS AUT

*: ECM = Electronically Commutated Motor
**: Totally-Enclosed Fan-Cooled

## 1 RANGE, 3 SOLUTIONS

| I WANT A CONNECTED POOL | | I WANT A CONNECTED PUMP | | I WANT A PUMP ONLY |
|---|---|---|---|---|
| Pump model | Remote control | Pump model | Remote control | |
| **FloPro™ VS AUT** | **eXO® iQ Range Hydroxinator® iQ** | **FloPro™ VS AUT** | **iQPUMP** | **FloPro™ VS** |
| WP000079 | cf p.178 | WP000079 | WA000017 | WP000003 |

## PERFORMANCE

- Performance curves shown for example speeds (each speed has a unique curve).
- Manometric pressure is expressed as "pump head" in meters of water: 1 bar = 10.19 m.



Legend: 3450 RPM, 2850 RPM, 2150 RPM, 1000 RPM
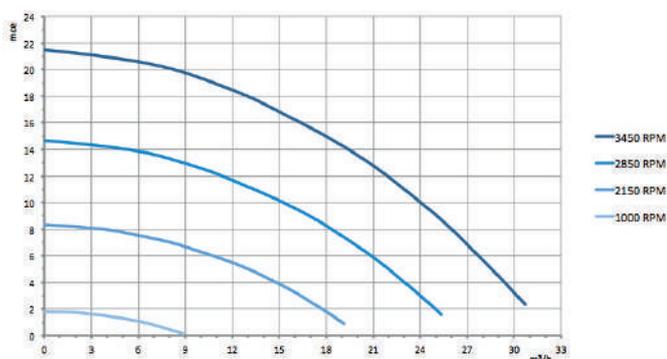
## DIMENSIONS AND WEIGHT

| | |
|---|---|
| Length | 59,8 cm |
| Height | 32,4 cm (without pump base) |
| Width | 25,4 cm |
| Weight (pump only) | 17 kg |



254 mm · Ø2" · 195 mm · 165 mm · 598 mm · 240 mm · Ø2" · 324 mm · 270 mm · 235 mm

## ASSOCIATED PRODUCTS

| | AquaLink® TRi | iQPUMP | CS Filter | MS Filter | eXO® iQ | Hydroxinator® iQ |
|---|---|---|---|---|---|---|
| reference | WA000016 | WA000017 | WF000024/25 | WF000094/95/96/97 & 98 | WW000162/163/164 165 / 170 & 171 | WW000172/173/174 & 175 |

FILTRATION

# iQPUMP

Filtration **>** Pumps **>** iQPUMP

+ Remote control anywhere, anytime
+ Easy configuration
+ Maximized energy efficiency

**3 YEAR WARRANTY**

EASY INSTALLATION

**iAquaLink** CONTROL

ECO-FRIENDLY

## iQPUMP

### PRODUCT REFERENCE

| Standard model | WA000017 |
|---|---|

### ACCESSORIES INCLUDED IN THE PACK

Wall mounting kit

### DESCRIPTION

| User interface | Quick control interface via buttons and Leds |
|---|---|
| Mobile user interfaces | Free iAquaLink™ app for Android™ and Apple® smartphones and tablets |
| Operating mode(s) | Wi-Fi connection for remote access and control using iAquaLink(tm) app<br>User interface onto Wi-Fi device for initial setup and on-site manual control. |
| Compatible with | FloPro™ VS AUT (dedicated model)<br>FloPro™ VS pump (all manufacturing years are compatible) |

### TECHNICAL SPECIFICATIONS

| Wi-Fi connectivity | Wi-Fi 802.11b/g/n/ac * |
|---|---|
| Wi-Fi range | Up to 150 m ** |
| Length A câble RS485 | 4,3 m |
| Protection rating | IPX4 |
| Installation | Indoor or outdoor under a shelter |
| Dimensions (l x h x p) | 13,7 x 31,0 x 3,2 cm |
| Power supply | Connected to the pump FloPro™ VS (RS485 cable provided) |

\* : A Wi-Fi band selection in router's settings menu may be needed depending on situation.
\*\* : Max range without obstacles (partitions, walls, ironwork…). Use of a Wi-Fi range extender or a powerline Wi-Fi hotspot may be required in some cases.

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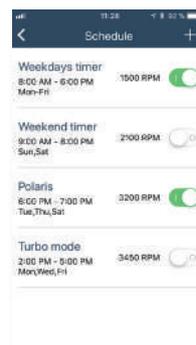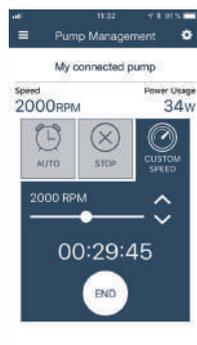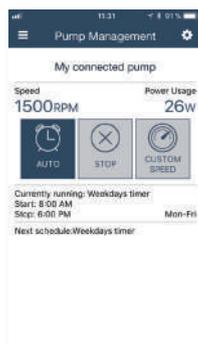
# A COMPLETE FILTRATION RANGE

## > A FILTER FOR EVERY POOL

Central component of the filtration system, **the filter contains a filtration medium (that may be sand, glass, a filter or another material, depending on the filter type).** So, debris and impurities are trapped in the filter tank.

An efficient filtration system is **essential for the effectiveness of water treatment.**

**Zodiac® offers 2 filter ranges to best meet varying user needs:**

## > CS CARTRIDGE FILTERS

+ very compact filters that can be installed in confined technical rooms
+ ultra-fine filtration up to 15-20 µm for translucent water
+ saves water during maintenance (no backwash)
+ no need to connect to the drain

**3** YEAR WARRANTY ALL PARTS  **5** YEAR WARRANTY ON TANKS  ALL TYPES OF SWIMMING POOLS  FINE FILTRATION  ECO FRIENDLY

## > MS MEDIA FILTERS

+ long-lasting glass-fibre reinforced polyester filters
+ designed to work with sand and filtration glass (Crystal Clear)
+ easy maintenance

**3** YEAR WARRANTY ALL PARTS  **10** YEAR WARRANTY ON TANKS  ALL TYPES OF SWIMMING POOLS  EASY MAINTENANCE

## COMPARATIVE TABLE OF THE RANGE

| | CS | MS |
|---|---|---|
| | Eco-friendly cartridge filters for fine filtration | Simple and long-lasting sand filters |
| Warranty | 5 years (tank) / 3 years | 10 years (tank) / 3 years |
| Easy installation | Yes (VersaPlumb® kit) | - |
| Filtration medium | CS cartridge | Glass or sand |
| Filtration level | 15 - 20 microns | 20 - 50 microns |
| Number of models | 2 | 5 |
| Footprint | 37 cm | 47-95 cm |
| Max. pool volume | 170 m$^3$ | 170 m$^3$ |
| Pressure gauge | Yes | Yes |
| Multiway valve | N/A | Yes |
| Drain | Yes (+ connection kit) | Yes, double (media + water) |

# CS - Cartridge filter

+ Ultra fine filtering
+ easy maintenance and water savings
+ Adapted to any pool pad

**ALL TYPES OF SWIMMING POOLS**

**FINE FILTRATION**

**ECO-FRIENDLY**

**3** YEAR WARRANTY

**5** YEAR WARRANTY ON TANK

|  | CS 100 | CS 150 |
|---|---|---|
| **PRODUCT REFERENCE** | | |
| Standard model | WF000024 | WF000025 |

## ACCESSORIES INCLUDED IN THE PACK

| 15-20 µm filtering cartridge | 63/50mm union tailpieces | 63/50mm union tailpieces | Pressure gauge |
|---|---|---|---|

## DESCRIPTION

| | |
|---|---|
| Tank material | Fiber glass reinforced polypropylene |
| Pressure gauge position | Onto the top cover |
| Connections | 63/50mm union tailpieces |
| Drain | 63mm, 63/50mm plumbing kit provided |

## TECHNICAL SPECIFICATIONS

| | CS 100 | CS 150 |
|---|---|---|
| Filtration capacity m (8 h/day) | 130 | 170 |
| Max flow rate (m³/h) | 22.7 | 34.1 |
| Filtration area (m²) | 9.3 | 14 |
| Cartridge layers number | 143 | 215 |
| Filtration speed (m³/h/m²) | 2.4 | 2.1 |
| Filtration speed at 1 m/s | 0,64 m³/h/m² | |
| Working pressure (bar or kg/cm²) | 0,2 - 0,8 (variable speed pump); 0,4 - 1,2 (single speed pump) | |
| Maximum pressure (bar ou kg/cm²) | 3.5 | |

9 317545 020525
CS 100

9 317545 020532
CS 150

## HEAD LOSS CURVES

- CS filter head losses expressed in meters of water: 1 m $H_2O$ = 0.1 bar
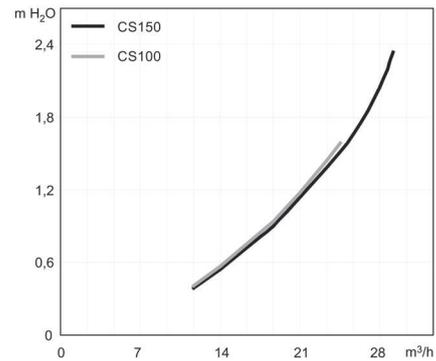


## DIMENSIONS AND WEIGHT

|  | CS 100 | CS 150 |
|---|---|---|
| Footprint (filter foot diameter) | 33 cm | |
| Overall height (with pressure gauge) | 92 cm | |
| Needed clearance (to replace cartridge) | 43 cm above the filter | |
| Weight (filter + cartridge) | 14 kg | 13 kg |
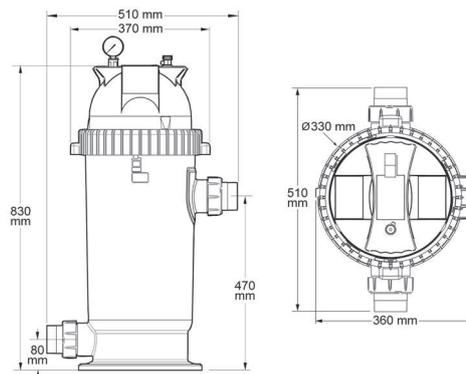


## INSTALLATION WITH VERSA PLUMB® KIT

- Optional Versa Plumb® kit allows a quick, compact and efficient connection between CS filter and any Zodiac FloPro™ pump.
- The Versa Plumb® sweep elbow is equipped with a 1/2'' thread to install an earthing anode for example (see earthing anode kit in Water Treatment pages - part R0673800).
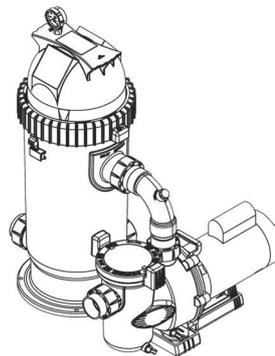


Spare parts p.306

## OPTIONAL ACCESSORIES

## ASSOCIATED PRODUCTS

|  | VersaPlumb® Kit | Cartridge CS 100 | Cartridge CS 150 |
|---|---|---|---|
| reference | WF000026 | R0462201 | R0462301 |

# MS - Media filter

+ Easy to install
+ Efficient filtration
+ Easy maintenance

ALL TYPES OF
SWIMMING POOLS

EASY
INSTALLATION

MagnaPool
ECOSYSTEM

**3** YEAR
WARRANTY

**10** YEAR
WARRANTY
ON TANK

|  | MS 470 | MS 530 | MS 650 | MS 800 | MS 950 |
|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | |
| Standard model | WF000094 | WF000095 | WF000096 | WF000097 | WF000098 |

### ACCESSORIES INCLUDED IN THE PACK

| "Classic" multiport valve kit | Pressure gauge & air relief kit | Bolts kit | Media filling cap |
|---|---|---|---|

### DESCRIPTION

| Tank material | Fiberglass reinforced polyester |
|---|---|
| Multiport valve | 6-way side mount valve (filtration, backwash, rinse, drain, circulation, closed) |
| Pressure gauge position | Onto the top cover using a T-shape adaptor threaded into the lid |
| Connections | All connections are threaded for an easy maintenance (multiport valve & piping) |
| Drain | 3/8" cm (water) / 2 ½" (filter media, except for MS 470) |

### TECHNICAL SPECIFICATIONS

| | MS 470 | MS 530 | MS 650 | MS 800 | MS 950 |
|---|---|---|---|---|---|
| Tank diameter (mm) | 475 | 532 | 645 | 798 | 950 |
| Max flow rate (m³/h)* | 8.0 | 10.2 | 15.8 | 23.3 | 30.0 |
| Filtering area (m²) | 0.16 | 0.2 | 0.32 | 0.47 | 0.66 |
| Diameter of threaded connections | 1 ½" | | | 2" | |
| Total weight of Crystal Clear | 75 | 90 | 135 | 270 | 435 |
| Nbr of bags - Crystal Clear 1.0/3.0 mm | 1 | | 2 | 3 | 5 |
| Nbr of bags - Crystal Clear 0.7/1.3 mm | 4 | 5 | 7 | 15 | 17 |
| Total weight of sand | 85 | 100 | 160 | 310 | 485 |
| Working pressure (bar or kg/cm²) | 0,2 - 0,8 (variable speed pump); 0,4 - 1,4 (single speed pump) | | | | |
| Maximum pressure (bar or kg/cm²) | 2.5 | | | | |

* : For a 50 m³/h/m² filtration speed

## DIMENSIONS AND WEIGHT

| | | MS 470 | MS 530 | MS 650 | MS 800 | MS 950 |
|---|---|---|---|---|---|---|
| Clearance below valve* | | 310 | 320 | 375 | 390 | 420 |
| A (mm) | | 340 | 350 | 405 | 430 | 460 |
| B (mm) | | 465 | 475 | 530 | 660 | 690 |
| C (mm) | | 529 | 539 | 594 | 736 | 766 |
| D (mm) | | 705 | 745 | 815 | 984 | 1027 |
| E external (mm) | | 475 | 532 | 645 | 798 | 950 |
| E internal (mm) | | 450 | 510 | 635 | 770 | 920 |
| F (mm) | | 347 | 400 | 490 | 625 | 705 |
| Valve connections | Height spacing | 64 | 64 | 64 | 76 | 76 |
| | Width spacing | 74 | 74 | 74 | 79 | 79 |
| | Threaded ports | 1½'' | 1½'' | 1½'' | 2'' | 2'' |
| Complete filter net weight (kg) | | 15 | 18 | 21 | 36 | 58 |

* : Clearance below multiport valve elbow pipe to show clearance for pump installation
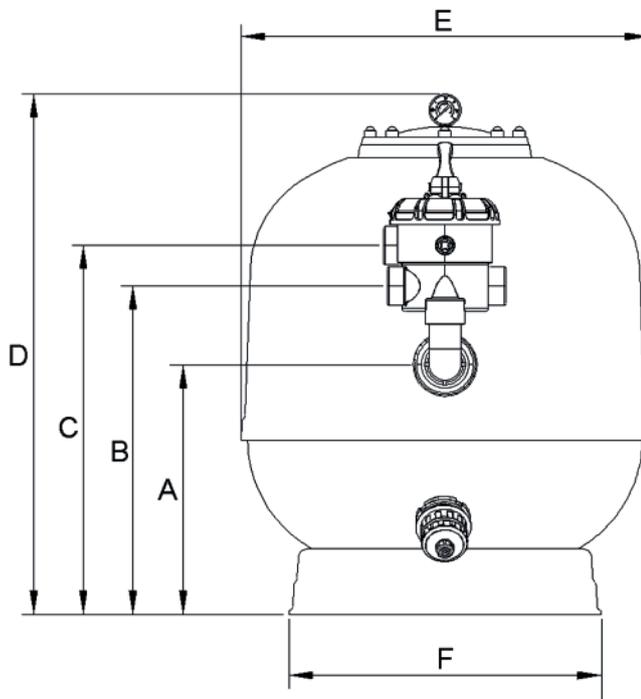


Spare parts p.308

## ASSOCIATED PRODUCTS

| | | | |
|---|---|---|---|
| | | Crystal Clear 0,7/1,3 mm - Glass media | Crystal Clear 1,0/3,0 mm - Glass media |
| reference | | WF000063 | WF000064 |

# Crystal Clear

Filtration > Filtering media > Crystal Clear

+ Optimum filtration efficiency
+ Long lasting : lasts 3 times longer than sand
+ Eco-friendly : up to 75% water savings

ALL TYPES OF SWIMMING POOLS | FINE FILTRATION | ECO-FRIENDLY | MagnaPool™

| | Crystal Clear 0,7/1,3 mm | Crystal Clear 1,0/3,0 mm |
|---|---|---|
| **PRODUCT REFERENCE** | | |
| Standard model | WF000063 | WF000064 |

| DESCRIPTION | | |
|---|---|---|
| Contents | Filtering medium made of 100% pure glass crystals | |
| Form | Translucent | |
| Dosage | Total weight in the filter : 10% less than the equivalent in sand<br>1,0/3,0mm : sufficient to cover the filter laterals<br>0,7/1,3 mm : in addtion, to make up the total weight | |
| Filtration efficiency | 77,9% turbidity reduction* | |
| Bag dimensions (l x h) | 45 x 65 cm | |
| Bag net weight | 15 kg (= shipping unit, skus can be mixed on a pallet) | |

### ASSOCIATED PRODUCTS

| | MS filter | Hydroxinator® iQ |
|---|---|---|
| reference | WF000094/95/96/97/98 | WW000172/173/174/175 |

* Turbidity reduction test carried in a lab using Crystal Clear fine under EN 16713-1 standard (test #7.2.4). Minimal regulatory requirement is 50%.

9 317545 025414
Crystal Clear 0,7/1,3 mm

9 317545 025421
Crystal Clear 1,0/3,0 mm

# NL NICHELESS LED LIGHTS

Easy-to-install, eco-friendly lighting

Pool lighting is an essential asset for enhancing your pool.
**Zodiac® NL LED lights** enable you to achieve this and they are both **energy saving and easy to install.**
They are installed during the construction stage and enhance all pool types, **using innovative, obstruction-free technology.**

## > LED LIGHTING: AN ENERGY-SAVING INNOVATION!

**Energy efficient:** powerful lighting with an **energy saving of up to 90%** (compared to incandescent or halogen spotlights).

**Long lasting: they last up to 10 times longer** than traditional incandescent light bulbs.



**ENERGY SAVING**

1 classic spotlight
Total consumption: 300 W
Annual cost = €37

3 12 W NL LED lights
Total consumption: 27 W
Annual cost = 9 €

Higher performance lighting
⌄
**90%**
ENERGY SAVING

Calculation based on 4h/day usage throughout the season (6 months) at a price of €0.1694 / kWh (average price witn VAT in France)
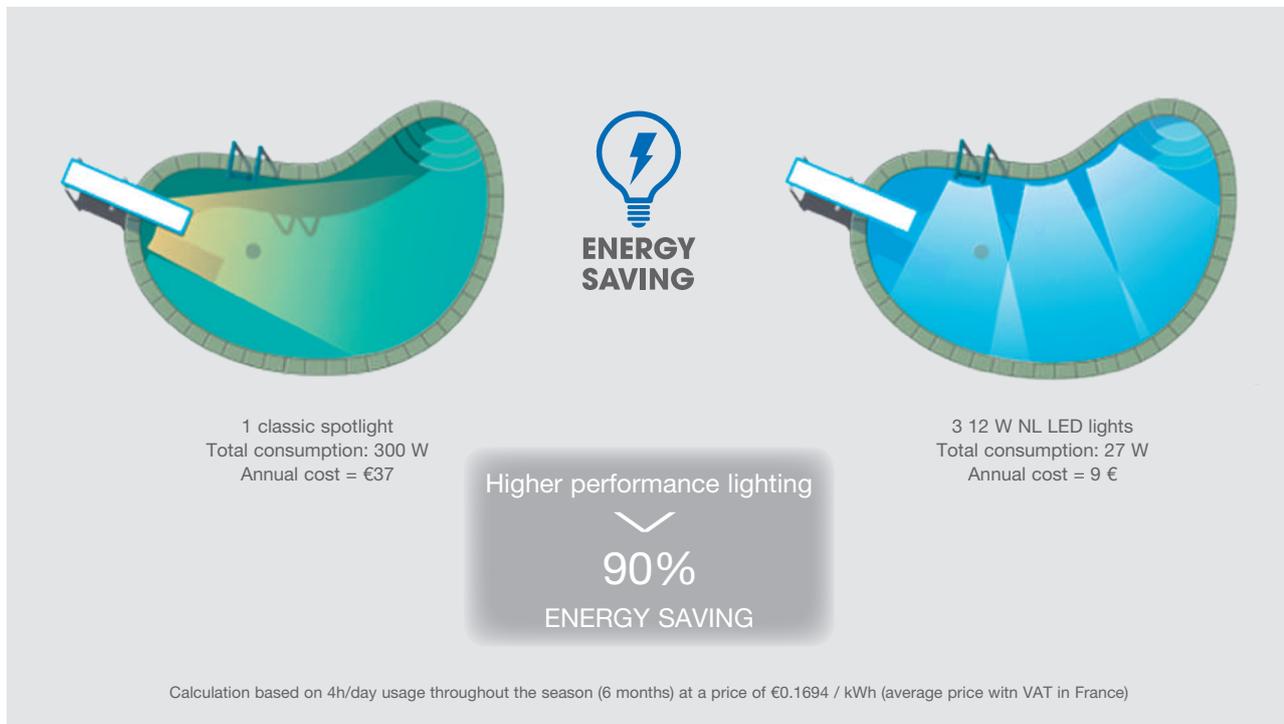
## > "NICHELESS" INSTALLATION: INSTALLED ANYWHERE, QUICKLY AND EASILY!

**Quickly & easily:** With Zodiac® NL LED lights, there's no need to build a niche, they slot directly into a standard 1.5" wall fitting and are compatible with all pool surfaces (liner/PVC, concrete, polyester, etc.).

**Compact:** They integrate perfectly into the pool, adding to its aesthetic appeal and are compatible with all pool cleaners (no obstructions jutting out from the wall).



Connection box

Water level

10 cm minimum

To the transformer
12 Vac (technical room)

Rigid PVC pipe
or watertight smooth conduit

Wall fitting
(1.5'' thread)
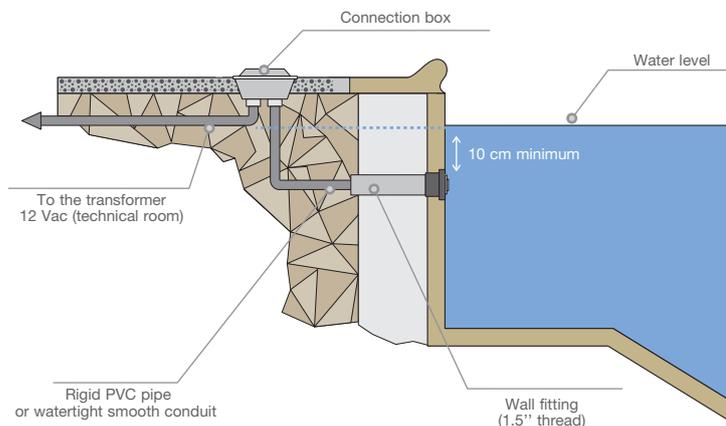
## > COMPACT AND POWERFULL LIGHTS: CUSTOMISABLE AMBIANCE LIGHTING!

Freedom and creativity: NL LED lights offer **a wide range of set colors and ambiance lighting** thanks to their RGBW technology.

**SET COLORS**

- ALPINE WHITE
- SKY BLUE
- COBALT BLUE
- CARIBBEAN BLUE
- SPRING GREEN
- EMERALD GREEN
- EMERALD ROSE
- MAGENTA
- VIOLET

**SLOW COLOR SPLASH**
A sophisticated and relaxing atmosphere

**FAST COLOR SPLASH**
An electric atmosphere with over 1,500 constantly changing colors
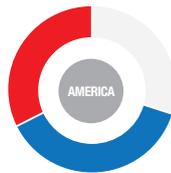
**AMERICA**
A star-shaped light show in red, white and blue

**FAT TUESDAY**
A carnival atmosphere with a 32-color display

**DISCO TECH**
A night brought to life by hundreds of colors

**iAquaLink™ COMPATIBLE**

**Simple to use:** 100% compatible with Zodiac® AquaLink® TRi automation and eXO® iQ smart salt water chlorinators (LS and standard versions) and Hydroxinator® iQ, NL LED lights can be controlled from your smartphone via the iAquaLink™ app.

### DID YOU KNOW?

### WITH RGBW LED, THERE'S NO NEED TO CHOOSE BETWEEN WHITE AND COLOR!

Zodiac® NL LED lights are innovative, using RGBW technology (Red-Green-Blue-White) to add white to all 3 primary colors.
This enables you to generate an infinite color pallet, with a more natural shade, or pure white lighting.

# NL - Leds

+ Perfect integration for an enhanced pool
+ Powerfull Led lighting
+ Guaranteed energy savings

EASY INSTALLATION  TECHNOLOGY RGBW  ENERGY SAVING  iAquaLink COMPATIBLE

**3 YEAR WARRANTY**

| | NL 6RGBW | NL 12RGBW | NL 24RGBW | NL 6BW | NL 12BW | NL 24BW |
|---|---|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | | | |
| Standard model | WT000233 | WT000234 | WT000235 | WT000236 | WT000237 | WT000238 |

## ACCESSORIES INCLUDED IN THE PACK

| Installation tool | White & grey cosmetic rings |
|---|---|

## DESCRIPTION

| | | |
|---|---|---|
| Installation Compatibility | Pool outlet with 1,5" internal thread and whithout internal reduction («suction cleaner» outlet type) | |
| Led Type | RGBW : color + white | Bright white |
| Operating Mode(s) | 9 fixed colors & 5 multicolor lighting ambiances | 1 fixed color : white |
| Color Choice* | Manual (on/off sequences) Remote control using iAquaLink™ smartphone app | |
| Use | Fresh water and salt water up to 6 g/L (6000 ppm) | |

* : Needs eXO® iQ salt water chlorinator or AquaLink® TRi pool automation system.

## TECHNICAL SPECIFICATIONS

| | NL 6RGBW | NL 12RGBW | NL 24RGBW | NL 6BW | NL 12BW | NL 24BW |
|---|---|---|---|---|---|---|
| Power | 6 W | 12 W | 24 W | 6 W | 12 W | 24 W |
| Max amperage (A) | 0.52 | 0.92 | 1.25 | 0.62 | 1.09 | 1.84 |
| Illuminated surface (m²)* | 12 to 15 | 15 to 20 | 20 to 24 | 12 to 15 | 15 to 20 | 20 to 24 |
| Luminous flux (Lumen) | 160 | 340 | 505 | 390 | 725 | 1180 |
| Led lifespan ** | 10 000 h | | | | | |
| Protection rating | IP 68 | | | | | |
| Power supply | 12 VAC - 50/60 Hz | | | | | |
| Cable lenght | 3 m | | | | | |

* For a light colored pool finish. Reduce illuminated surface by roughly 20% for dark pool finishes.

** : Theoretical lifespan in hours, for information only.

DESIGN

A
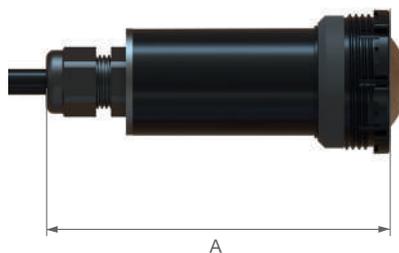
## POIDS ET DIMENSIONS

|  | NL 6RGBW | NL 12RGBW | NL 24RGBW | NL 6BW | NL 12BW | NL 24BW |
|---|---|---|---|---|---|---|
| External diameter (lens) | 49,6 mm | | | | | |
| Light body diameter | 36,7 mm | | | | | |
| Length A (without cable) | 118 mm | 143 mm | | 118 mm | 143 mm | |
| Poids (with cable) | 500 g | 520 g | | 500 g | 520 g | |

## ASSOCIATED PRODUCTS

|  |  |  |  |
|---|---|---|---|
|  | AquaLink® TRi | Hydroxinator® iQ | eXO® iQ |
| reference | WA000016 | WW000172/173/174/175 | WW000162/163/164/165/170/171 |



NL 6RGBW



NL 12RGBW



NL 24RGBW



NL 6BW



NL 12BW



NL 24BW

# > POWERFALL WATER BLADES
## A water feature with soothing qualities

Water features and massage jets are now valued for both their relaxing and their aesthetic qualities. Compatible with all types of pool, **PowerFall water falls enhance the swimming pool and provide calm and well-being.**

## > A TOP-OF-THE-RANGE TOUCH TO CUSTOMISE THE POOL

- The Zodiac® PowerFall water fall is available in **4 widths** to customise the pool, based on the size of the pool.

- **Simple to install when constructing the pool,** the water fall draws its supply directly from the return circuit from the filtration system and creates **a harmonious and soothing sound.**

### DID YOU KNOW?

As the first water fall 100% made of ABS plastic, Zodiac(r) PowerFall stands out for its high quality and unalterable manufacturing (corrosion free).

Thanks to its patented X-Baffle® internal structure (item #2), the water fall is always constant and homogeneous whatever water flow is.

PowerFall lip is made of translucent plastic (item # 1).Thus, they harmonize perfectly with the design of the pool whatever the color of the pool surface.

X-Baffle® system

# PowerFall

Filtration > Design > PowerFall

**3 YEAR WARRANTY**

+ Durable: 100% ABS plastic
+ X-Baffle system: consistent water flow
+ Aesthetic and qualitative improvement for pools

**ALL TYPES OF SWIMMING POOLS**

**EASY INSTALLATION**

| | PowerFall 1' (30 cm) | PowerFall 18" (46 cm) | PowerFall 2' (61 cm) | PowerFall 3' (91 cm) |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | WB000011 | WB000008 | WB000009 | WB000010 |

### OPTIMAL WATER FLOW FOR EACH ZODIAC® WATER FALL*

| | |
|---|---|
| Projection at 15 cm from the wall | 5,5 m³/h |
| Projection at 30 cm from the wall | 7,0 m³/h |
| Projection at 45 cm from the wall | 11,5 m³/h |
| Projection at 60 cm from the wall | 15,0 m³/h |

\* Required flow rate for the water fall projection from the pool wall at 1 m height.

### PIPE SIZE MUST BE CORRECTLY CHOSEN ACCORDING TO FLOW RATE

| | |
|---|---|
| < 16 m³ / hour | 50 mm |
| ≥ 16 m³ / hour | 63 mm |

### POWER / FLOW EQUIVALENCES REMINDER :

| | |
|---|---|
| 3/4 CV | 13 m³/h |
| 1 CV | 16 m³/h |
| 1,5 CV | 22 m³/h |
| 2 CV | 30 m³/h |

### INSTALLATION

Important: the water fall must not be installed at more than 1.2 m from the water level.

• 1 - Place a separate valve on each cascade. If the cascades are the same size and installed at the same height, construct a loop to balance water flow to all units.

• 2 - Prepare the notch where the water fall will be installed: For PowerFall cascades, make a notch in the bond beam about 11 cm deep and 2.5 cm longer than the cascade.

• 3 - Water fall placement: Create a bed of mortar in the notch to reinforce the base. Place the water fall in the mortar and ensure it is level.

1

2

11,4 cm

Length + 2,5 cm

3

9 317545 026503
PowerFall 1' (30 cm)

9 317545 019468
PowerFall 18" (46 cm)

9 317545 019475
PowerFall 2' (61 cm)

9 317545 019482
PowerFall 3' (91 cm)

| PROVIDED ACCESSORIES | |
|---|---|
| PVC Adapter M/F 1.5"/50mm | PVC Adapter F/F 1.5"/1.5" |
| W8620110 | W8620111 |

# Water treatment

**WATER TREATMENT**

# > 5 RANGES OF WATER TREATMENT PRODUCTS

Water is an unstable and continually changing substance, particularly in a swimming pool. Physico-chemical treatment of the water is therefore necessary to make it healthy, clear, balanced, disinfected and antibacterial.

**Zodiac® offers 5 product families to free swimming pool owners from the burdens of water treatment:**

- **Stand-alone pH regulators** to provide the optimum pH whatever the type of disinfection used,

- **Stand-alone ORP regulators** to manage chlorine disinfection automatically,

- **Easy-to-Install, long-lasting and upgradeable salt chlorinators** (optional pH and ORP regulating modules on certain models), offered in 3 different levels of range,

- **Patented exclusive MagnaPool® solution** for a complete magnesium-based chlorination, focused on water clarity, bathing comfort and the environment (see specific pages),

- **Nature² mineral purifier - special Spas** for disinfection with less chlorine.

## POSSIBLE COMBINATIONS OF THE DIFFERENT SYSTEMS

### Disinfection

Water disinfection that adapts to every need and every budget.

| Chlor Expert | Ei² | Ei² Expert | eXO® iQ | eXO® iQ LS | Hydroxinator® iQ |

### pH regulation and/or chlorination

The basis of water treatment, adapted to each Zodiac® disinfection or chlorinator solutions.

| pH Expert | | pH Link | Dual Link (pH/ORP) |

**MagnaPool® Mineral Pool Science**

MagnaPool® is an exclusive, magnesium-based chlorinator solution for incomparably gentle, pure and crystal clear water and unequalled bathing comfort.

MagnaPool® minerals  **+**  Crystal Clear filtration glass  **+**  Hydroxinator® iQ

# > pH REGULATION SYSTEMS
## For perfect water balance

pH Expert incorporates proportional dosing technology to **maintain an ideal pH automatically** for the comfort of bathers. For optimal water balance, pH Expert includes a function to adjust injection cycles depending on the total alkalinity (TAC) of the water. **A choice of 3 settings is available:**

| Low alkalinity | Standard alkalinity | High alkalinity |
|---|---|---|
| TAC < 10 °f (100 ppm CaCO$_3$) | Default setting | TAC > 15 °f (150 ppm CaCO$_3$) |

## > SAFE, AUTO-ADAPTIVE OPERATION

**Depending on the value measured by the sensor, Zodiac® pH regulation systems automatically adjust the pH of the swimming pool** up or down, using a peristaltic dosing pump.

The dosing time depends on **the difference between the pH of the swimming pool and the ideal pH (set point value).** The water balance in the swimming pool is maintained at the desired value without taking any action.

Zodiac® pH regulation systems are equipped **with an exclusive overdosing safety device** (called 'OFA') to prevent excessive injection. The safety device is adjustable and operates in 3 steps to determine whether or not it is necessary to inject correcting product.

**EXCLUSIVE AUTO-ADAPTIVE DOSING**



pH
+
8,05
7,9
7,75
7,6
7,45
7,3
7,15
7
6,85
6,7
6,55
-

- - - Change of pool pH

100 %  75 %  50 %  20 %

Ideal pH - Ideal pH - Ideal pH - Ideal pH - Ideal pH - Ideal pH - Ideal pH - Ideal pH

50 %  20 %
100 %  75 %

Dosing cycle time

10 min. 10 min. 10 min. 10 min. | 10 min. 10 min. 10 min. 10 min.

Pool with high pH - Acid dosing | Pool with low pH - Alkaline dosing

## > FOR GREATER COMFORT

**For the comfort of bathers, the pH of the swimming pool must be kept between 7.0 and 7.6:**

- Below this, the water is aggressive.
- Above this, larger doses of disinfectant are needed to maintain healthy water and combat the growth of algae.
- The ideal pH for the swimming pool water is also the average pH of the human body, and more especially the blood, which is between 7.35 and 7.45.

**pH SCALE**



0   7,0 - 7,4   14

| ACID | IDEAL | ALKALINE |
|---|---|---|
| - Irritation to eyes and skin<br>- Corrosion of metal equipment | - Optimum efficiency of water treatment<br>- Perfect bathing comfort | - Alteration of disinfection efficiency<br>- Irritation to eyes and skin<br>- Limescale deposits |
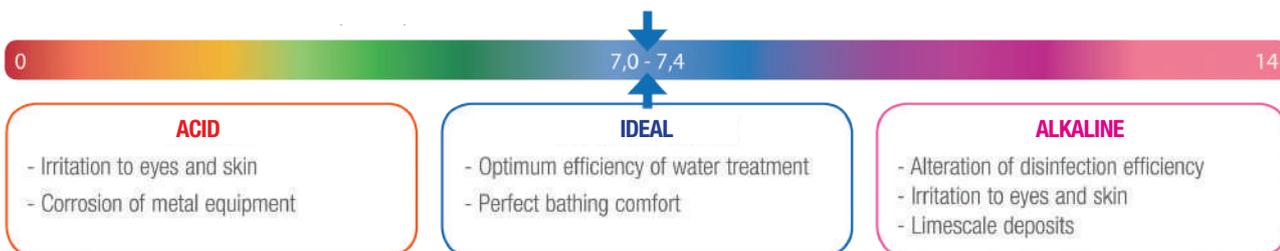
**DID YOU KNOW?**
The pH must be controlled and adjusted, whatever the disinfection system used. As a result, pH Expert can be used in all types of pools.

# pH Expert

+ Automatic dosage of pH
+ Accurate dosing
+ Anti-overdose protection

**ALL TYPES OF SWIMMING POOLS**

**EASY INSTALLATION**

2 YEAR WARRANTY*

| pH Expert | |
|---|---|
| **PRODUCT REFERENCE** | |
| Standard model | W500708 |

## ACCESSORIES INCLUDED IN THE PACK

| pH Sensor | Buffer solutions kit | Plumbing kit | Wall mounting kit | Suction Pipe |
|---|---|---|---|---|

| FOR WHICH POOL? | |
|---|---|
| Maximum volume of treated water | 150 m$^3$ |
| Dosage | Acid or alkaline |

| DESCRIPTION | |
|---|---|
| User Interface | 1-line, backlit LCD screen |
| Languages | 6 (FR-EN-ES-DE-IT-NL) |
| Calibration | Semi-automatic, 1 or 2 step(s) (Buffer solutions kit included) |
| Setpoints | Factory setting: pH = 7,4 |
| Sensor position | Vertical |
| Safety | Configurable 'OFA' three-level over-feed alarm (settings from 0 to 6 h, default 4 h) Level sensor on intake pipe (equipped with anti-fumes cap) |

| TECHNICAL SPECIFICATIONS | |
|---|---|
| Sensor type (pH) | Combined sensor, simple-junction and simple-porous, Ø12 mm glass body |
| Reading scale | 0,0 - 14,0 pH |
| Reading accuracy | 0,1 pH |
| Sensor Tolerances | 0-60 °C, water speed ≤ 2 m/s |
| Maximum counter pressure (injection point) | 1,5 bar |
| Peristaltic pH pump flow | 1,5 L/h |
| Fixing collar** | For 50 mm pipes (standard) or 63 mm (accessory) |
| Protection index | IP65 |
| Size (l x h x p) | 19,5 x 23,6 x 8,5 cm |
| Power supply | 220-240 VAC / 50-60 Hz |

* Excluding consumable parts that have 1 year warranty ( buffer solutions, peristaltic tube, one-way valve)
** not needed if the "POD Kit" option is used.

3 478585 007085

pH Expert

## INSTALLATION

- The sensor must be placed more than 30 cm before or after any elbow fittings (otherwise, use the Pod Kit)
- The sensor must be installed vertically (maximum tolerance: 45°) Its cable (BNC type) is 5 m long.
- It is recommended to ground the pool water, so as to avoid parasitic currents.

**pH Expert installation diagram:**
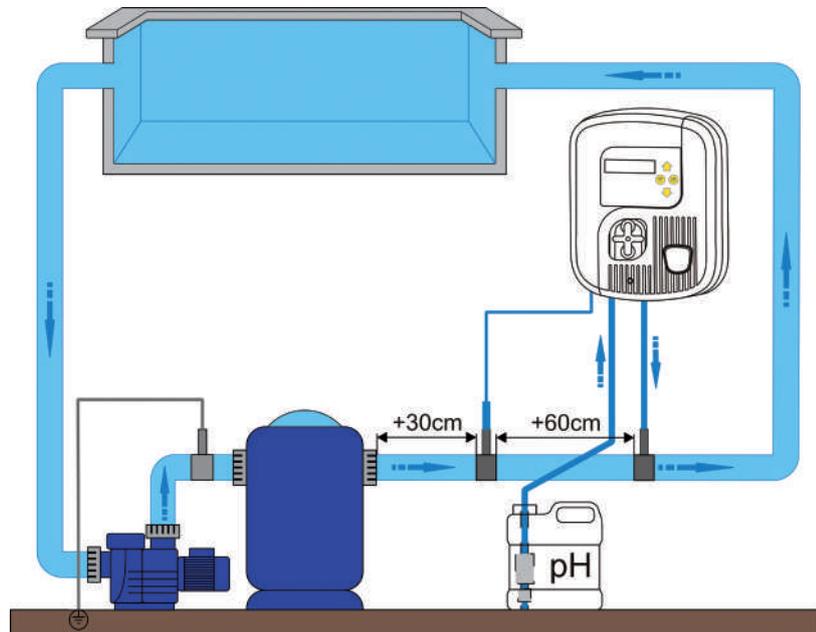


**Spare parts p.312**

PH VALUE IS ESSENTIAL TO MAINTAIN CHLORINE EFFECTIVENESS:

Chlorine effectiveness (%)



OPTIONAL ACCESSORIES ( NOT INCLUDED)

| | POD Kit | 63mm saddle clamp | pH 4 and pH 7 buffer solutions (x6 + x6) | Earthing anode |
|---|---|---|---|---|
| reference | R0534900 | R0839600 | R0824400 | R0673800 |

WATER TREATMENT

## > ORP REGULATION SYSTEMS
### For automated chlorination

Chlor Expert incorporates proportional dosing technology to **maintain an ideal chlorine level automatically** for the comfort of bathers.
It uses the "ORP" method (also called Redox), otherwise known as measuring the "disinfectant capacity of the water".
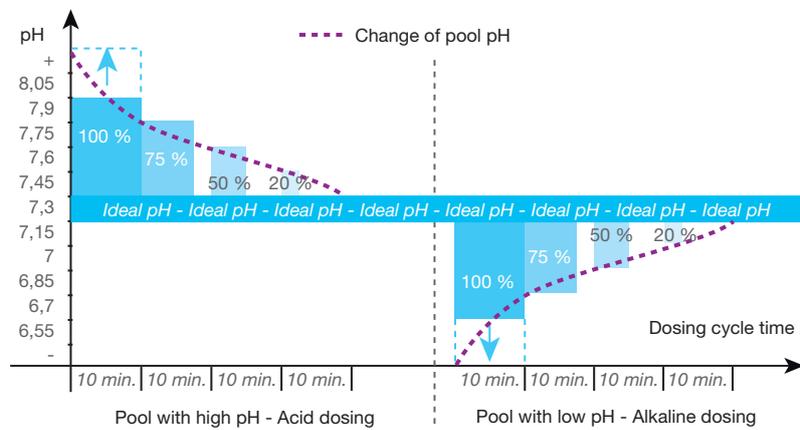
### > SAFE,
### AUTO-ADAPTIVE OPERATION

**Depending on the ORP value measured by the sensor, Zodiac® ORP regulation systems will automatically adjust the chlorine level** using a peristaltic dosing pump.

The dosing time depends on **the difference between the ORP value of the swimming pool water and the optimum value (set point value).** The quantities of liquid chlorine injected are automatically adjusted to meet the demand for disinfection.

Zodiac® ORP regulation systems are equipped **with an exclusive overdosing safety device (called 'OFA') to prevent excessive injection.**
The safety device is adjustable and operates in 3 steps to determine whether or not it is necessary to inject liquid chlorine.

### > FOR GREATER COMFORT

- For the comfort of bathers, the ORP level of the water must be between 600 mV and 750 mV; this is equivalent to about 1.0 mg/L free chlorine at pH 7.4 (variable depending on the stabiliser concentration).

- To maintain optimum water quality, the pH regulation system (pH Expert) is the essential partner to the ORP regulation system. **In this case the** 'POD kit' will be the ideal option for a simple installation and accurate measurement.

**EXCLUSIVE AUTO-ADAPTIVE DOSING**



*Example with a setpoint of 740 mV*
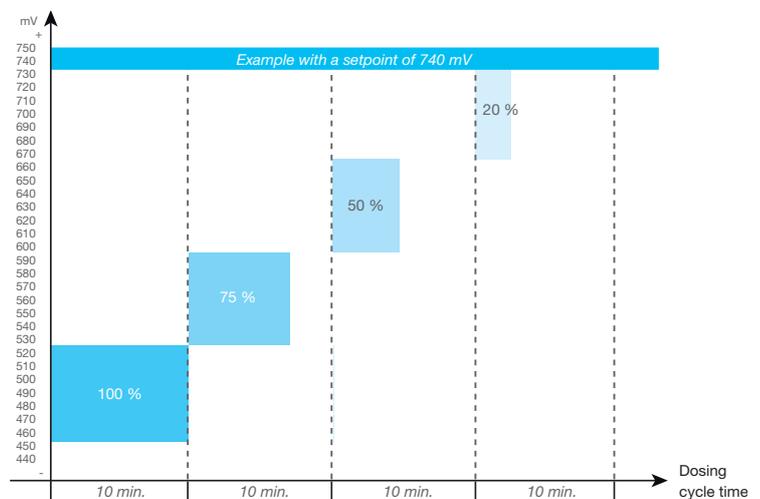
### DID YOU KNOW?

ORP (and by extrapolation, the chlorine level) can vary depending on several parameters.

**For optimum treatment, 5 values must be met:**
- pH = 7.0 to 7.6
- TAC (alkalinity) = 8 to 15 °f (or 80 to 150 ppm $CaCO_3$)
- Cyanuric acid (stabilizer) < 30 ppm
- Water temperature = 20°C to 28°C
- Borehole water and rainwater prohibited

It is essential to check and adjust these parameters, as necessary, to ensure optimum operation of the ORP regulation system.

# Chlor Expert

+ Automatic chlorine dosage
+ Accurate dosing
+ Anti-overdose protection

**ALL TYPES OF SWIMMING POOLS**

**EASY INSTALLATION**

**2 YEAR WARRANTY***

| Chlor Expert |
| :---: |

## PRODUCT REFERENCE

| Standard model | W500709 |
| --- | --- |

## ACCESSORIES INCLUDED IN THE PACK

| ORP Sensor | Buffer solutions kit | Plumbing kit | Wall mounting kit | Suction Pipe |
| :---: | :---: | :---: | :---: | :---: |

## FOR WHICH POOL?

| Maximum volume of treated water | 20 - 150 m³ |
| --- | --- |
| Dosage | Liquid chlorine |

## DESCRIPTION

| User Interface | 1-line, backlit LCD screen |
| --- | --- |
| Languages | 6 (FR-EN-ES-DE-IT-NL) |
| Calibration | Semi-automatic, 1 step (Buffer solutions kit included) |
| Setpoints | Factory setting : ORP = 650 mV |
| Sensor position | Vertical |
| Safety | Configurable 'OFA' three-level over-feed alarm (settings from 0 to 6 h, default 4 h) Level sensor on intake pipe (equipped with anti-fumes cap) |

## TECHNICAL SPECIFICATIONS

| Sensor type ORP | Combined sensor, simple-junction and simple-porous, Ø12 mm glass body |
| --- | --- |
| Reading scale | 0 - 1000 mV |
| Reading accuracy | 10 mV |
| Sensor Tolerances | 0-60 °C, water speed ≤ 2 m/s |
| Maximum counter pressure (injection point) | 1,5 bar |
| Peristaltic pH pump flow | 1,5 L/h |
| Fixing collar** | For 50 mm pipes (standard) or 63 mm (accessory) |
| Protection index | IP65 |
| Size (l x h x p) | 19,5 x 23,6 x 8,5 cm |
| Power supply | 220-240 VAC / 50-60 Hz |

\* Excluding consumable parts that have 1 year warranty ( ORP sensor, buffer solutions, peristaltic tube, one-way valve)
\*\* not needed if the "POD Kit" option is used.

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Chlor Expert

**WATER TREATMENT**

## INSTALLATION

- The minimum pool volume required to Chlor Expert installation diagram use ORP treatment is 20 m³.
- The sensor must be placed more than 30 cm before or after any elbow fittings (otherwise, use the Pod Kit)
- The sensor must be installed vertically (maximum tolerance: 45°) Its cable (BNC type) is 5 m long.
- It is recommended to ground the pool water, so as to avoid parasitic currents.
- Chlorine stabiliser (cyanuric acid) concentration MUST BE LOWER THAN 30 ppm.

**SPARE PARTS** Spare parts p.314

**Chlor Expert installation diagram**
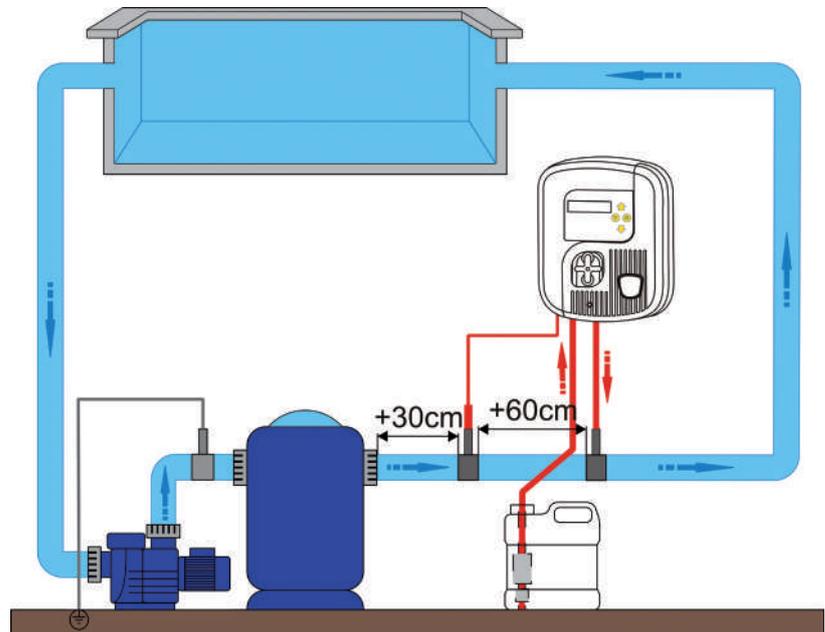


PH EFFECT ON ORP, AND INFLUENCE OF CHLORINE STABILIZER:



1 ppm chlorine @ pH 7.4

OPTIONAL ACCESSORIES ( NOT INCLUDED)

|  | POD Kit | 63mm saddle clamp | 470 mV ORP buffer solutions (x6) | Earthing anode |
|---|---|---|---|---|
| reference | R0534900 | R0839600 | R0824500 | R0673800 |

## > SALT WATER CHLORINATORS
### Automatic, easy and efficient disinfection

Simple to install and use, salt water chlorinators provide complete treatment with reduced maintenance.

### > HOW DOES IT WORK?

**The principle of salt electrolysis is simple.** The swimming pool water is very slightly saline (from 2 to 4 g/L, meaning from 9 to 18 times less than sea water). By an electrolysis reaction across the cell of the system, chloride ions - from the salt dissolved in the water - are converted to chlorine gas, a powerful disinfectant that dissolves in the water instantaneously. **The resulting active chlorine (HOCl) destroys all the micro-organisms in the cell and provides an adequate level of free chlorine in the pool.** The active chlorine, which is removed by combining with organic matter and under the effect of UV rays in sunlight, is continuously renewed by the cell without action by the user.

For optimum efficiency of the chlorinator, **the pH of the swimming pool must be kept between 7.0 and 7.6.**
All Zodiac® chlorinators have cells with **high quality, long-lasting titanium electrodes,** ensuring peace of mind for the user.

CYCLIC REACTION OF SALT ELECTROLYSIS

Chlorinator cell

Water + Salt in solution

Disinfecting agent: active chlorine

Organic matter + UV rays

**INCONDITIONNELLE GARANTIE INCONDITIONNELLE**
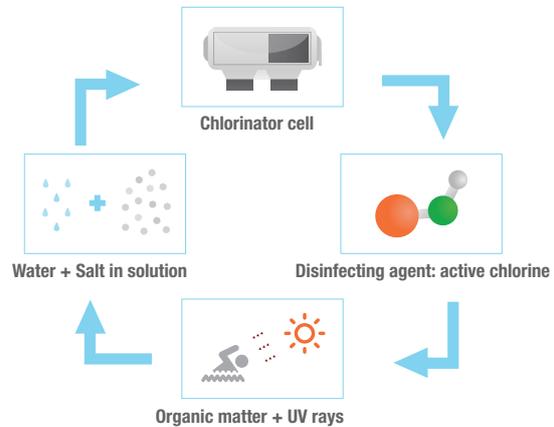
**REFERENCE POINT**
Zodiac® control units and salt chlorinator cells will be repaired or exchanged during the guarantee period, whatever the causes of damage.

### SELECTION GUIDE

|  | Ei² | Ei² Expert | eXO® iQ | eXO® iQ LS |
|---|---|---|---|---|
| Volume of water treated in m³ (temperate climate, filtration 8 h/day) | 50 / 90 / 110 | 40 / 70 / 110 | 40 / 70 / 100 / 150 | 40 / 70 |
| Chlorine production in g/h | 12 - 20 - 25 | 10 - 18 - 25 | 10 - 18 - 22 - 35 | 10 - 18 |
| Salinity in g/L (min… / required / …max) | 3,0… / 4,0 / …10 | 3,0… / 4,0 / …10 | 3,3… / 4,0 / …13 | 1.6... / 2 / ...10 |
| Cell type | Quick Fix | Quick Fix | Inverted U | Inverted U |
| Working life of cell* | 7 500 h | 7 500 h | 10 000 h | 10 000 h |
| Polarity inversion | 5 h | 3 / 5 / 7 h | 2 to 8 h | 2 to 8 h |
| Unit protection rating | IPX5 | IPX5 | IP43 | IP43 |
| LCD screen | N/A (Leds) | 2 lines, backlit | 4 lines, backlit | 4 lines, backlit |
| Number of interface languages | N/A (Leds) | 13 | 11 | 11 |
| Boost mode / Low mode (= cover contact) |  | • | • | • |
| Programming clock (Timers) |  | • | • | • |
| User information | Leds | Messages | Messages + Leds | Messages + Leds |
| Flow rate detection | Gas sensor | Mechanical flow switch | Mechanical flow switch | Mechanical flow switch |
| Optional pH regulation module |  |  | pH Link 2019 | pH Link 2019 |
| Optional pH & ORP regulation module |  |  | Dual Link 2019 | Dual Link 2019 |
| Control using iAqualink™ app |  |  | • | • |
| Unconditional warranty (power pack) | 2 years | 2 years | 3 years | 3 years |

\* Under good operating conditions.

# Ei²

+ **Long lasting**
+ **Suitable for all installations**
+ **Easy to install**

ALL TYPES OF SWIMMING POOLS

EASY INSTALLATION

Ti²² TITANE INSIDE

Quick FIX

**2** YEAR WARRANTY

UNCONDITIONNAL WARRANTY UNCONDITIONNAL



| | Ei² 12 | Ei² 20 | Ei² 25 |
|---|---|---|---|
| **PRODUCT REFERENCE** | | | |
| Standard model | WW000064 | WW000065 | WW000066 |

**ACCESSORIES INCLUDED IN THE PACK**



Installation Kit

**FOR WHICH POOL?**

| | Ei² 12 | Ei² 20 | Ei² 25 |
|---|---|---|---|
| Volume of treated water (temperate climate, 8h/day filtration) | 50 m³ | 90 m³ | 110 m³ |
| Nominal chlorine production | 12 g/h | 20 g/h | 25 g/h |
| Nominal output Amps | 2,5 A | 4,0 A | 5,0 A |

**DESCRIPTION**

| | |
|---|---|
| User Interface | Leds |
| Operating modes | Normal |
| Timer | Controlled by filtration timer |
| Polarity reversal | Yes : 5 h |
| Required salt level - minimum | 4 g/L - 3,0 g/L minimum |
| Safety | Low salt' indicator light: Reduced production to protect the electrode 'No flow' indicator light: Production is interrupted as long as conditions are not ideal |
| Cell position | Horizontal or vertical |
| Plumbing compatibility | DN50 mm, DN63 mm, 1 ½" (48 mm) |

**TECHNICAL SPECIFICATIONS**

| | Ei² 12 | Ei² 20 | Ei² 25 |
|---|---|---|---|
| Working life of cells* | 7 500 h (titanium plates, SC6 ruthenium coating) | | |
| Electric power | 70 W | 110 W | 140 W |
| Minimum flow rate (needed to purge air from the cell) | 5 m³ / h | | |
| Maximum flow rate (limited by pressure drops in the pipe) | 18 m³/h (Bypass mandatory over this level) | | |
| Maximum authorised cell pressure | 2,75 bar (KPa) | | |
| Maximum water temperature | 40 °C | | |
| Minimum water temperature | 5 °C | | |
| Length of the cell cable | 1,8 m | | |
| Protection index | IPX5 | | |
| Cell size (L x w x h) | 16,5 x 22,5 x 12,5 cm | | |
| Control box size (L x w x h) | 28,5 x 40,5 x 12,5 cm | | |
| Power supply | 220-240 VAC / 50 Hz (mains power cable with moulded plug) | | |

* Under good operating conditions.

## INSTALLATION

- With an IPX5 rating, the casing can be installed anywhere, including in the pool area (see IEC 60529 standard).
- The distance between the control unit and the cell is 1.5 m.
- The control unit MUST be linked to the filtration unit. Power supply is cut off when the filter pump is turned off.

**Ei² installation diagram:**
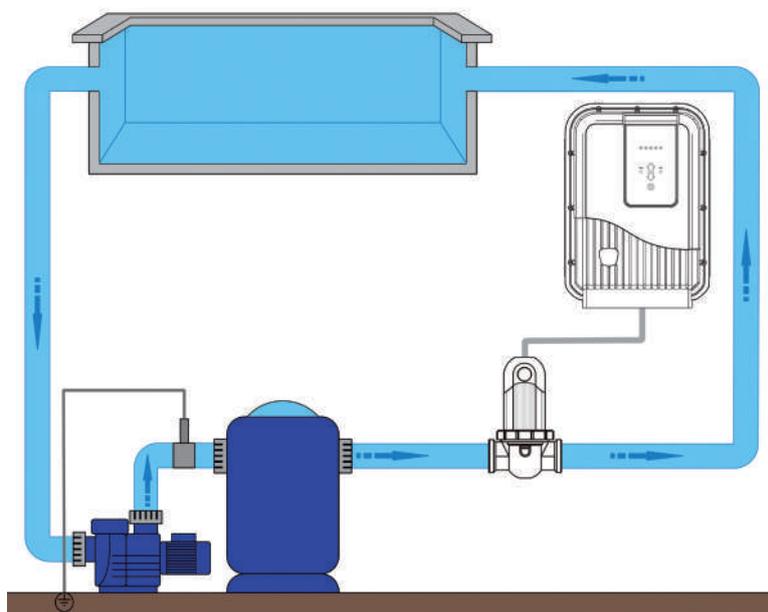
**Spare parts p.316**

### OPTIONAL ACCESSORIES ( NOT INCLUDED)

|  | Locking ring wrench | Winterizing cap |
|---|---|---|
| reference | R0769900 | R0770100 |

Ei² 12            Ei² 20            Ei² 25

# Ei² Expert

+ Extreme durability
+ Suitable for all installations
+ Controlled chlorine production
+ Cover mode reducing automatically the chlorine output

**2 YEAR WARRANTY**

**UNCONDITIONNAL WARRANTY**

ALL TYPES OF SWIMMING POOLS

EASY INSTALLATION

Ti²² TITANE INSIDE

Quick Fix

|  | Ei² Expert 10 | Ei² Expert 18 | Ei² Expert 25 |
|---|---|---|---|
| **PRODUCT REFERENCE** | | | |
| Standard model | WW000061 | WW000062 | WW000063 |

| **ACCESSORIES INCLUDED IN THE PACK** | | |
|---|---|---|
| Installation Kit | | Flow switch installation kit |

| **FOR WHICH POOL?** | | | |
|---|---|---|---|
| Volume of treated water (temperate climate, 8h/day filtration) | 40 m³ | 70 m³ | 110 m³ |
| Nominal chlorine production | 10 g/h | 18 g/h | 25 g/h |
| Nominal output Amps | 2,0 A | 3,6 A | 5,0 A |

| **DESCRIPTION** | |
|---|---|
| User Interface | 2-line, backlit LCD screen |
| Languages | 13 (FR-EN-DE-ES-IT-NL-PT-AF-CZ-SL-HU-SW-TR) |
| Operating modes | Summer, Winter, Boost (100%), Low (cover mode 10%) |
| Timer | 24h clock / 2 timers |
| Polarity reversal | Yes : 3, 5 or 7 h (Factory setting= 5 h) |
| Required salt level - minimum | 4 g/L - 3,0 g/L minimum |
| Safety | 'Low salt' indicator light: Reduced production to protect the electrode<br>'No flow' indicator light: Production is interrupted as long as conditions are not ideal |
| Cell position | Horizontal or vertical |
| Plumbing compatibility | DN50 mm, DN63 mm, 1 ½" (48 mm) |

| **TECHNICAL SPECIFICATIONS** | | | |
|---|---|---|---|
| Working life of cells* | 7 500 h (titanium plates, SC6 ruthenium coating) | | |
| Electric power | 60 W | 100 W | 140 W |
| Minimum flow rate (needed to purge air from the cell) | 5 m³ / h | | |
| Maximum flow rate (limited by pressure drops in the pipe) | 18 m³/h (Bypass mandatory over this level) | | |
| Maximum authorised cell pressure | 2,75 bar (KPa) | | |
| Maximum water temperature | 40 °C | | |
| Minimum water temperature | 5 °C | | |
| Length of the cell cable | 1,8 m | | |
| Protection index | IPX5 | | |
| Cell size (L x w x h) | 16,5 x 22,5 x 12,5 cm | | |
| Control box size (L x w x h) | 28,5 x 40,5 x 12,5 cm | | |
| Electric power supply | 220-240 VAC / 50 Hz (mains power cable with moulded plug) | | |

* Under good operating conditions.

## INSTALLATION

- With an IPX5 rating, the casing can be installed anywhere, including in the pool area (see IEC 60529 standard).
- The distance between the control unit and the cell is 1.5 m.
- The control unit should be permanently connected to an electrical source (by using internal timers).

**Spare parts p.318**

**Ei² Expert installation diagram:**



### OPTIONAL ACCESSORIES ( NOT INCLUDED)

|  | Locking ring wrench | Winterizing cap |
|---|---|---|
| reference | R0769900 | R0770100 |

**WATER TREATMENT**

## > eXO® iQ & eXO® iQ LS

### WATER CONTROL WITH A DOSE OF SERENITY
## The eXO® salt water chlorinator solutions

The eXO® platform is an efficient and automatic disinfection solution. Easy to use, it offers complete water treatment, controlling the pool's equipment for optimal water quality.

**eXO® iQ**

**eXO® iQ LS**

### All-in-one control
All water quality control is centralised in a single interface: pH, chlorination, additional equipment (filter pump, lighting…).

### Peace of mind
With its long-lasting electrode and high-quality sensors, the eXO® solution offers optimal water quality all the time. As proof of reliability, the chlorinator comes with a 3-year unconditional warranty[1].

### Built-in Wi-Fi
The iAquaLink™ app allows you to have remotely and real-time control of your water quality and your pool's equipment[2] from you smartphone or tablet.

[1]3 years unconditional (device), 2 years (pH sensor), 1 year (ORP sensor)
[2]Connected to the eXO®solution.

## > HYDROXINATOR® iQ

### INCOMPARABLY GENTLE, PURE AND CRYSTAL CLEAR WATER
## Exclusive magnesium-based chlorinator solution

This solution combines the properties of MagnaPool® magnesium-based minerals with an exceptionally fine filtration system for a natural and incomparably crystal clear water.

**MagnaPool®**
Mineral Pool Science

### Gentle water for skin and eyes
MagnaPool® naturally slows the development of chloramines, so you can enjoy gentle water without unpleasant smells or skin and eyes irritation.

### A pure crystal clear swimming pool
MagnaPool® provides exceptionally clear water without adding any sanitizing chemicals.

### Environmentally- friendly water treatment
Crystal Clear filter media for MagnaPool® swimming pools consists of thousands of pure glass crystals. It is not receptive to bacteria and only requires a short filter backwash.

**Hydroxinator® iQ**

## > A UNIQUE INTERFACE FOR PERFECT CONTROL



SIMPLE MAINTENANCE

EASY TO USE

Lighting

Other equipment
(water falls, booster pump,...)

pH & chlorine

Filter pump

⊕ "Plug & Play"
pH Link or Dual Link

## > TECHNICAL CARACTERISTICS

| | eXO® iQ | eXO® iQ LS | Hydroxinator® iQ |
|---|---|---|---|
| Maximum volume treated (temperate climate with water up to 28°C, disinfection capacity linked to the daily filtration time, here for 8hrs/day) | 150 m³ | 70 m³ | 150 m³ |
| Treatment type | Salt water chlorination | Salt water chlorination Low Salinity | MagnaPool® Magnesium mineral chlorination |
| Recommended concentration (measured in the water) | 4 g/L | 2 g/L | 4 g/L |

| | |
|---|---|
| Optional pH regulation | pH Link "Plug & Play" module |
| Optional pH and ORP regulation | Dual Link "Plug & Play" module |

| | |
|---|---|
| Wireless and remote-controllable | Built-in Wi-Fi Dedicated Android & iOS smartphone app |
| Boost mode | 24hr shock chlorination |
| Cover mode | Reduced chlorination when the electric cover is closed Automatic or manual activation (0 to 30% adjustable chlorination output) |
| Water temperature indicator | Yes, with cell protection function |
| Equipment control | 3 programmable equipment: - Filter pump: simple or variable speed (Zodiac®) - 2 other accessories: lighting, booster pump... |
| Security – Low water flow sensor | Mechanical flow switch |
| Self-cleaning cell (polarity reversal) | Adjustable every 2 to 8 hours (allows to adpat the cell revesal to water hardness) |
| Warranty – Device | 3 years, unconditional |
| Warranty – Sensors | 2 years (pH sensor) / 1 year (ORP sensor) |

# eXO® iQ

+ All-in-one control: all water quality control is centralised in a single interface (pH, chlorination, equipment…)
+ Peace of mind: long lasting electrodes, high-end sensors
+ Built-in Wi-Fi: Wi-Fi connexion to the iAquaLink™ app

**3 YEAR WARRANTY**

**UNCONDITIONNAL WARRANTY**

ALL TYPES OF SWIMMING POOLS

UPGRADABLE SYSTEM

Ti 22 TITANE INSIDE

iAquaLink CONTROL

|  | eXO® iQ 10 | eXO® iQ 18 | eXO® iQ 22 | eXO® iQ 35 |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | WW000162 | WW000163 | WW000164 | WW000165 |

| **ACCESSORIES INCLUDED IN THE PACK** | | | | |
|---|---|---|---|---|
| Wall mounting kit | Flow switch kit | Temperature sensor kit | Reducing bushes kit | Free App |

| **FOR WHICH POOL?** | | | | |
|---|---|---|---|---|
| Volume of treated water (temperate climate, 8h/day filtration) | 40 m³ | 70 m³ | 100 m³ | 150 m³ |
| Nominal Chlorine production | 10 g/h | 18 g/h | 22 g/h | 35 g/h |
| Nominal output Amps | 2,8 A | 3,6 A | 5,0 A | 7,2 A |

| **DESCRIPTION** | |
|---|---|
| User Interface | 4-line, backlit LCD screen |
| Languages | 11 (FR-EN-DE-ES-IT-NL-PT-CZ-SL-HU-SW) |
| Operating modes | Normal, Boost (100 %); Low (Adjustable cover mode from 0 to 30 %) |
| Equipment control | Single speed or Zodiac variable speed filter pump<br>2 additional equipment (lighting, booster pump…) |
| Timer | 24 h clock / 2 chlorination timers<br>2 single speed or 4 Zodiac variable speed filter pump timers<br>1 timer per additional equipment |
| Polarity reversal | Yes: adjustable from 2 to 8h (Factory setting= 5h) |
| Required salt level - minimum | 4 g/L - 3,3 g/L minimum |
| Safety | Temperature sensor: Chlorine production lowered in case of cold water to protect the electrode<br>'Low salt' indicator light: Reduced production to protect the electrode<br>'No flow' message: Production is interrupted as long as conditions are not ideal<br>Mechanical flow switch |
| Cell position | Horizontal |
| Plumbing compatibility | DN50 mm, DN63 mm, 1 ½" (48 mm) |

9 317545 026237
eXO® iQ 10

9 317545 026251
eXO® iQ 18

9 317545 026275
eXO® iQ 22

9 317545 026299
eXO® iQ 35

## TECHNICAL SPECIFICATIONS
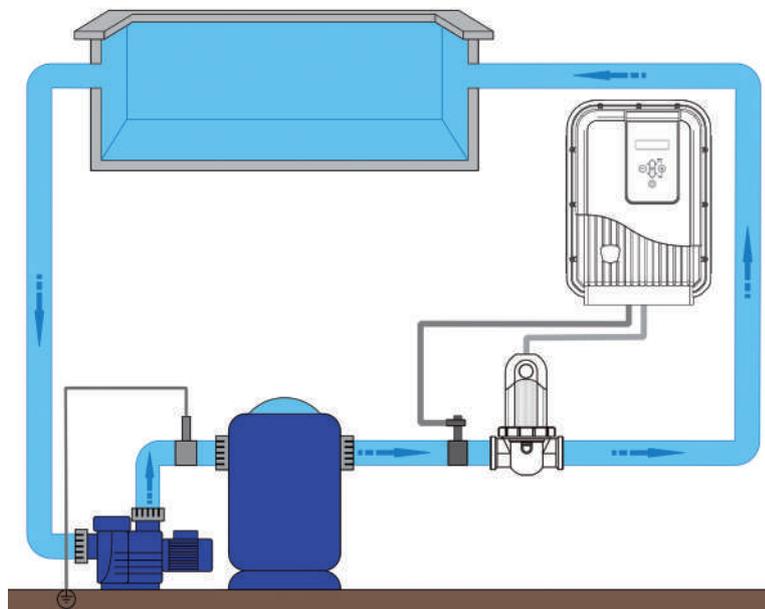
| | |
|---|---|
| Working life of cells* | 10 000 h (titanium plates, SC6 ruthenium coating) |
| Electric power | Max 200 W |
| Minimum flow rate (needed to purge air from the cell) | 5 m³ / h |
| Maximum flow rate (limited by pressure drops in the pipe) | 18 m³/h (Bypass mandatory over this level) |
| Maximum authorised cell pressure | 2,75 bar (KPa) |
| Maximum water temperature | 40 °C |
| Minimum water temperature | 5 °C |
| Length of the cell cable | 1,8 m |
| Protection index | IP43 |
| Cell size (L x w x h) | 32,0 x 13,5 x 11,0 cm |
| Control box size (L x w x h) | 32,0 x 37,0 x 12 cm |
| Power Supply | 220-240 VAC / 50-60 Hz |

*Under good operating conditions.

## INSTALLATION

- The control unit is installed in the plant room or beneath a shelter.
- The distance between the control unit and the cell is 1.5 m (the cell cable is 1.8 m long)
- The control unit should be permanently connected to an electrical source (by using internal timers)

**SPARE PARTS** Spare parts p.320

## ASSOCIATED PRODUCTS

| pH Link Module 2019 | Dual Link Module 2019 |
|---|---|
| WW000176 | WW000177 |

# eXO® iQ LS

+ Low salinity chlorinator
+ All-in-one control: all water quality control is centralised in a single interface (pH, chlorination, equipment…)
+ Built-in Wi-Fi: Wi-Fi connexion to the iAquaLink™ app

**LOW SALT**

**Ti 22 TITANE INSIDE**

**UPGRADABLE SYSTEM**

**iAquaLink CONTROL**

**3 YEAR WARRANTY**

**UNCONDITIONNAL WARRANTY**

|  | eXO® iQ LS 10 | eXO® iQ LS 18 |
|---|---|---|
| **PRODUCT REFERENCE** | | |
| Standard model | WW000170 | WW000171 |

| **ACCESSORIES INCLUDED IN THE PACK** | | | | | |
|---|---|---|---|---|
| Wall mounting kit | Flow switch kit | Temperature sensor kit | Reducing bushes kit | Free App |

| **FOR WHICH POOL?** | | |
|---|---|---|
| Volume of treated water (temperate climate, 8h/day filtration) | 40 m³ | 70 m³ |
| Nominal Chlorine production | 10 g/h | 18 g/h |
| Nominal output Amps | 2,8 A | 3,6 A |

| **DESCRIPTION** | |
|---|---|
| User Interface | 4-line, backlit LCD screen |
| Languages | 11 (FR-EN-DE-ES-IT-NL-PT-CZ-SL-HU-SW) |
| Operating modes | Normal, Boost (100 %); Low (Adjustable cover mode from 0 to 30 %) |
| Equipment control | Single speed or Zodiac variable speed filter pump 2 additional equipment (lighting, booster pump…) |
| Timer | 24 h clock / 2 chlorination timers 2 single speed or 4 Zodiac variable speed filter pump timers 1 timer per additional equipment |
| Polarity reversal | Yes: adjustable from 2 to 8h (Factory setting= 5h) |
| Required salt level - minimum | 2 g/L - 1,6 g/L minimum |
| Safety | Temperature sensor: Chlorine production lowered in case of cold water to protect the electrode 'Low salt' indicator light: Reduced production to protect the electrode 'No flow' message: Production is interrupted as long as conditions are not ideal Mechanical flow switch |
| Cell position | Horizontal |
| Plumbing compatibility | DN50 mm, DN63 mm, 1 ½" (48 mm) |

9 317545 026398
eXO® iQ LS 10

9 317545 026411
eXO® iQ LS 18

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Working life of cells* | 10 000 h (titanium plates, SC6 ruthenium coating) |
| Electric power | Max 200 W |
| Minimum flow rate (needed to purge air from the cell) | 5 m³ / h |
| Maximum flow rate (limited by pressure drops in the pipe) | 18 m³/h (Bypass mandatory over this level) |
| Maximum authorised cell pressure | 2,75 bar (KPa) |
| Maximum water temperature | 40 °C |
| Minimum water temperature | 5 °C |
| Length of the cell cable | 1,8 m |
| Protection index | IP43 |
| Cell size (L x w x h) | 32,0 x 13,5 x 11,0 cm |
| Control box size (L x w x h) | 32,0 x 37,0 x 12 cm |
| Power Supply | 220-240 VAC / 50-60 Hz |

*Under good operating conditions.

## INSTALLATION

- The control unit is installed in the plant room or beneath a shelter.
- The distance between the control unit and the cell is 1.5 m (the cell cable is 1.8 m long)
- The control unit should be permanently connected to an electrical source (by using internal timers)

**SPARE PARTS** **Spare parts p.320**



## ASSOCIATED PRODUCTS

| | |
|---|---|
| pH Link Module 2019 | Dual Link Module 2019 |
| WW000176 | WW000177 |

# pH Link & Dual Link

+ Fully integrated disinfection and dosing system
+ Automatic regulation
+ Accurate & easy reading (POD Kit)

**2 YEAR WARRANTY***

ALL TYPES OF SWIMMING POOLS

EASY INSTALLATION

MagnaPool ECOSYSTEM

|  | pH Link | Dual Link |
|---|---|---|
| **PRODUCT REFERENCE** | | |
| Standard model | WW000176 | WW000177 |

| ACCESSOIRES INCLUS DANS LE PACK | | | | | | |
|---|---|---|---|---|---|---|
| pH Sensor | ORP sensor | pH 4 and pH 7 buffer solutions x3 | 470 mV ORP buffer solutions x3 | 22 mm hole saw | Plumbing kit | POD Kit |

| FOR WHICH POOL? | | |
|---|---|---|
| Maximum volume of treated water | 150 m$^3$ | Depending on the chlorinator's output power |
| Dosage | Acid | |

| DESCRIPTION | |
|---|---|
| User Interface | Device's interface (4-line, backlit LCD screen) |
| Calibration | Semi-automatic at 2 points pH 4 and pH 7 & ORP 470 mV (buffer solutions included) |
| Setpoints | Factory setting: pH = 7,2 / ORP = 700 mV |
| Sensor position | Vertical, on the POD (provided) |
| Safety | Overdosing safety, low measures, unplugged sensor, broken sensor (pH Link) |

| TECHNICAL SPECIFICATIONS | | |
|---|---|---|
| Sensor type (pH) or (pH and ORP) | Combined sensor, simple-junction and simple-porous, Ø12 mm glass body | |
| Reading scale | 0,0 -12,0 pH | 100 - 1000 mV |
| Reading accuracy | 0,1 pH | 10 mV |
| Sensor Tolerances | 0-60 °C, water speed ≤ 2 m/s | |
| Maximum counter pressure (injection point) | 1,5 bar | |
| Peristaltic pH pump flow | 1,2 L/h | |
| Cell size (L x w x h) | 30,5 x 18,1 x 11,5 cm | |

* Excluding consumable parts that have 1 year warranty (ORP sensor, buffer solution, peristaltic tube, one-way valve)

9 317545 026152
pH Link

9 317545 026169
Dual Link

## INSTALLATION

- Connect the unit directly to the chlorinator's control unit.
- The distance between the module and the sensor cell is 1,5m (3 m extension cable is optional).
- The POD MUST be installed so that the sensor(s) is/are vertical, to ensure accurate measurement.

**pH Link & Dual Link Modules installation diagram:**

Kit POD on line:

POD Kit in by-pass:

NOTE: The kit POD must be positioned after filtration and heating systems and before the cell.
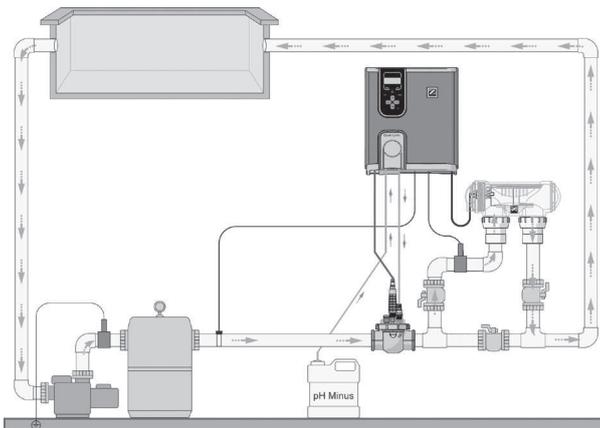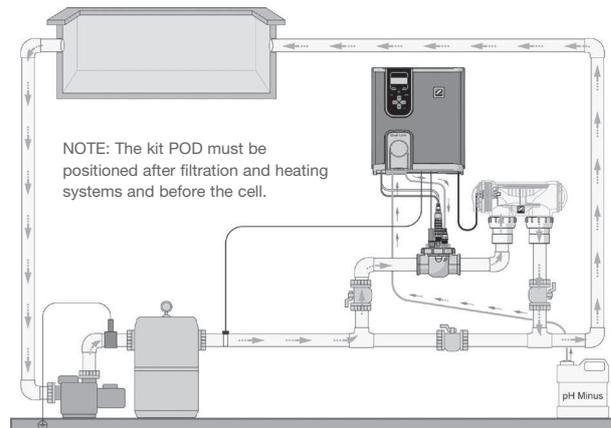
**SPARE PARTS** **Spare parts p.322**

### OPTIONAL ACCESSORIES ( NOT INCLUDED)

| | Intake pipe | pH 4 and pH 7 buffer solutions (x6 + x6) | 470 mV ORP buffer solutions (x6) | Winterizing cap | 3m BNC cable extension | Earthing anode |
|---|---|---|---|---|---|---|
| reference | R0808000 | R0824400 | R0824500 | R0770100 | R0635800 | R0673800 |

WATER TREATMENT

## > PATENTED MAGNESIUM WATER TREATMENT
### For incomparably gentle, crystal clear water

The patented MagnaPool® solution combines the clarifying properties of magnesium with a filtration system of exceptional quality, for a perfectly healthy and balanced, mineral-enriched swimming pool.

## > HOW DOES IT WORK?

**The MagnaPool® solution combines natural minerals, magnesium and potassium (diluted in the pool), to purify the water while providing an incomparable bathing exerience.**

This water treatment solution naturally converts magnesium minerals to magnesium hydroxide, a gentle and silky substance that acts as a clarifier in order to retain all the impurities, even the finest, in the water. Without impurities, bacteria no longer grow and are removed from the pool.

The MagnaPool® Hydroxinator® iQ then generates non-synthetic (or inorganic) chlorine: **this phenomenon is hydroxination.** The resulting chlorine, without addition of chemical products, protects the integrity and quality of the water, without harming the environment in which it is used.

$$MgCl_2 \quad + \quad 4\,H_2O \qquad \blacktriangleright \qquad 2\,HOCl \quad + \quad Mg(OH)_2 \quad + \quad 2H_2$$

| | | | |
|---|---|---|---|
| Magnesium chloride from the MagnaPool® minerals dissolved in the pool | Swimming pool water | Active chlorine: water disinfection | Magnesium hydroxide: clearer water, fewer chloramines | Hydrogen |

Hydroxinator®iQ action through its treatment cell
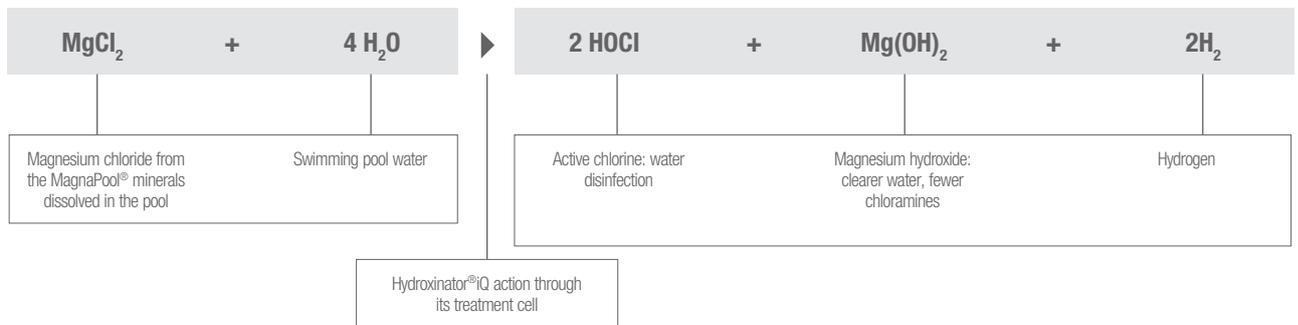
### DID YOU KNOW?
MagnaPool® minerals do not contain any sodium chloride («salt» or NaCl). The MagnaPool® minerals do not produce soda, a very basic element that affects negatively the water balance.

### STANDARD INSTALLATION

The patented MagnaPool® solution comprises a Hydroxinator® iQ with its treatment cell, Crystal Clear glass filter medium and MagnaPool® minerals. Each of these elements is needed for the MagnaPool® solution to function; they cannot be sold separately.

To obtain a complete MagnaPool® eco-system, the assembly can be combined with the MS filter and a Zodiac® variable speed pump.

MagnaPool® Minerals

Hydroxinator® iQ + Optional pH Link or Dual Link module

Crystal Clear filtration glass

FloPro™ VS pump     MS filter
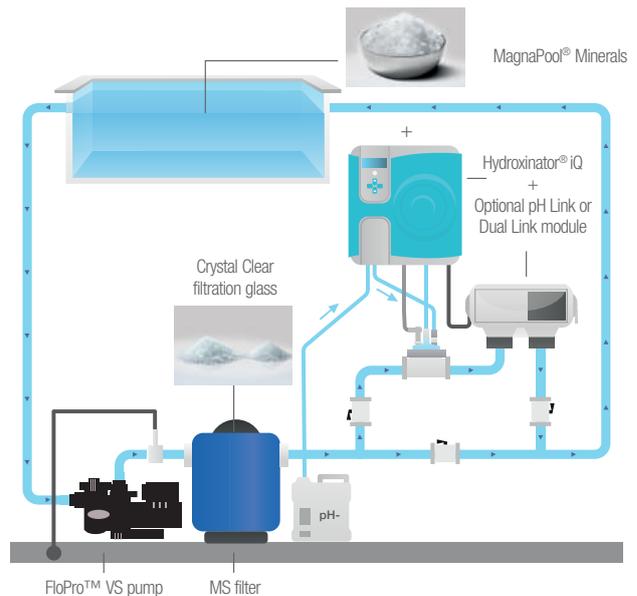
### REFERENCE POINT
The MagnaPool® solution comprises the Hydroxinator® iQ, MagnaPool® minerals and the Crystal Clear filtration crystals. Zodiac® equipment is compatible with and/or additional to the MagnaPool® system.
Identify all the products in the MagnaPool® ecosystem using this pictogram.

**MagnaPool ECOSYSTEM**

# MAGNAPOOL®

## > THE BENEFITS OF THE MAGNAPOOL® SOLUTION

### A PURE, CRYSTAL CLEAR SWIMMING POOL

MagnaPool® provides exceptionally clear water without adding chemical disinfection products.
This intense clarity is made possible by combining two innovative factors. Firstly, the powerful natural clarifying properties of magnesium in MagnaPool® minerals.
And secondly, exceptionally fine filtration using Crystal Clear filtration media.

### Mg 12 24
**Mineral Pool Science**

### GENTLE WATER FOR SKIN AND EYES

Compared with conventional water treatment systems (manual chlorine addition or salt electrolysis + sand filter), MagnaPool® naturally slows the development of chloramines, molecules that can cause an unpleasant chlorine smell and eye or skin irritation.

**Total chlorine in mg/L (or ppm)**

| TO | Chlorination |

— MagnaPool®    — Saltwater electrolysis + sand filter
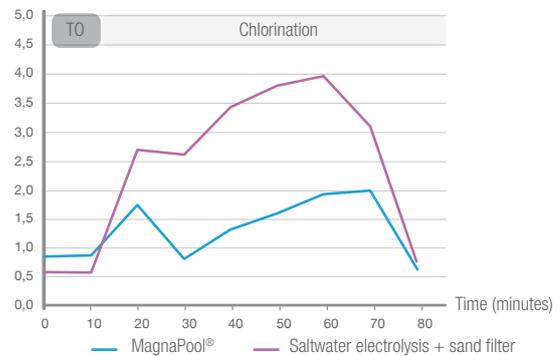
Zodiac laboratory measurement of chloramines (or combined chlorine) after adding organic matter to two pools at the same time, one treated with salt electrolysis + sand filter and the other with MagnaPool®.

### ECO FRIENDLY

### ENVIRONMENTALLY-FRIENDLY WATER TREATMENT

Crystal Clear filter media for MagnaPool® swimming pools consist of thousands of pure glass crystals.
Unlike sand, it is not receptive to bacteria and only requires a short filter backwash.
Thus, water consumption is reduced by up to 75%.

**Water consumption (in L) during filter backwash**

MagnaPool® solution with Crystal Clear: 540
Sand filter: 2160
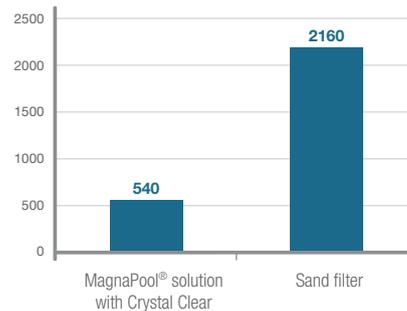
Value for a pool equipped with a 640 mm filter and a 1.0 HP (or 0.75 kW) pump.

**DID YOU KNOW?**
Magnesium takes part in more than 300 enzymatic reactions and cell growth in the human body, such as nerve transmission, skin renewal and cell relaxation.
The chlorophyll molecule, basic plant component, is formed around a magnesium atom.

**WATER TREATMENT**

# Hydroxinator® iQ

Water treatment > MagnaPool® > Hydroxinator® iQ

+ Unrivalled swimming comfort
+ Crystal-clear water: clarifying effect of magnesium and glass media
+ Eco-friendly: use less water and energy, fewer chemical additives
+ Upgradable: optional pH regulation (pH Link) or pH and ORP regulation module (Dual Link)

**3 YEAR WARRANTY**

**UNCONDITIONNAL WARRANTY**

| ALL TYPES OF SWIMMING POOLS | UPGRADABLE SYSTEM | iAquaLink CONTROL | Ti·22 TITANE INSIDE | MagnaPool ECOSYSTEM | ECO-FRIENDLY |

|  | Hydroxinator® iQ 10 | Hydroxinator® iQ 18 | Hydroxinator® iQ 22 | Hydroxinator® iQ 35 |
|---|---|---|---|---|
| **PRODUCT REFERENCE** | | | | |
| Standard model | WW000172 | WW000173 | WW000174 | WW000175 |

| **ACCESSORIES INCLUDED IN THE PACK** | | | | |
|---|---|---|---|---|
| Wall mounting kit | Flow switch kit | Temperature sensor kit | Reducing bushes kit | Free App |

| **FOR WHICH POOL?** | | | | |
|---|---|---|---|---|
| Volume of treated water (temperate climate, 8h/day filtration) | 40 m³ | 70 m³ | 100 m³ | 150 m³ |
| Nominal Chlorine production | 10 g/h | 18 g/h | 22 g/h | 35 g/h |
| Nominal output Amps | 2,8 A | 3,6 A | 5,0 A | 7,2 A |

| **DESCRIPTION** | |
|---|---|
| User interface | 4-line, backlit LCD screen |
| Languages | 11 (FR-EN-DE-ES-IT-NL-PT-CZ-SL-HU-SW) |
| Operating modes | normal, Boost (100 %); Low (Adjustable cover mode from 0 to 30 %) |
| Equipment Control | Single speed or Zodiac variable speed filtration pump 2 additional equipment (lighting, booster pump…) |
| Clock / Timer | 24 h clock / 2 chlorination timers 2 single speed or 4 Zodiac variable speed filter pump timers 1 timer per additional equipment |
| Polarity reversal | Yes: adjustable from 2 to 8h (Factory setting= 5h) |
| Recommended minerals rate - minimum* | 4 g/L - 3,3 g/L minimum |
| Safety Features | Temperature sensor: Chlorine production lowered in case of cold water to protect the electrode 'Low salt' indicator light: Reduced production to protect the electrode 'No flow' message: Production is interrupted as long as conditions are not ideal Mechanical flow switch |
| Cell Position | Horizontal |
| Plumbing compatibility | DN50 mm, DN63 mm, 1 ½" (48 mm) |

* Mineral levels are measured using the usual salinity testers. Add 5 x 10kg bags per 10 m³ to measure a concentration of 4 g/L (4000 ppm).

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Working life of cells* | 10 000h (titanium plates, specific SC6 ruthenium coating) |
| Electric power | Max 200 W |
| Minimum flow rate (needed to purge air from the cell) | 5 m³ / h |
| Maximum flow rate | 18 m³/h (Bypass mandatory over this level) |
| Maximum authorised cell pressure | 2,75 bar (KPa) |
| Maximum water temperature | 40 °C |
| Minimum water temperature | 5 °C |
| Length of the cell cable | 1,8 m |
| Protection index | IP43 |
| Cell dimensions (L x w x h) | 32,0 x 13,5 x 11,0 cm |
| Dimensions of the power pack (L x w x h) | 32,0 x 37,0 x 12,0 cm |
| Power supply | 220-240 VAC / 50-60 Hz |

\* Under good operating conditions

## INSTALLATION

- The control unit is installed in the plant room or beneath a shelter.
- The distance between the control unit and the cell is 1.5 m (the cell cable is 1.8 m long)
- The control unit should be permanently connected to an electrical source (by using internal timers)

**Hydroxinator® iQ installation diagrams**
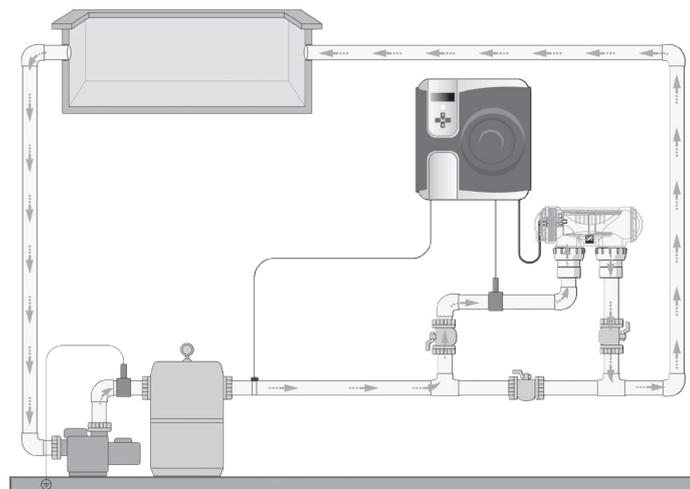
Spare parts p.324

## ASSOCIATED PRODUCTS

| pH Link Module 2019 | Dual Link Module 2019 | MagnaPool® Minerals | Crystal Clear 0.7/1.3 mm | Crystal Clear 1,0/3,0 mm |
|---|---|---|---|---|
| WW000176 | WW000177 | WC000163 | WF000063 | WF000064 |

WATER TREATMENT

# MagnaPool® Minerals

+ Exclusive: patented MagnaPool® minerals specifically for MagnaPool® pools
+ Crystal-clear water, less chloramines
+ Eco-friendly: salt-free formulation (no sodium chloride)
+ Easy: easy handling with 10 kg packaging

**ALL TYPES OF SWIMMING POOLS**  **MagnaPool™ ECOSYSTEM**  **ECO-FRIENDLY**

## PRODUCT REFERENCE

| Product Reference | WC000163 |
|---|---|

## DESCRIPTION

| | |
|---|---|
| Contents | Patented MagnaPool® minerals |
| Formulation | Magnesium chloride and potassium chloride |
| Form | Tablet/powder mixture |
| Dosage* | 5 kg/m³ |
| Bag dimensions (l x h) | 40 x 50 cm |
| Bag net weight | 10 kg |
| Palletization | 72 bags per pallet (minimum order quantity = 10 bags) |
| Pallet net weight* | 720 kg |
| Usage indication | 1 x 720 kg pallet is enough to start up 1 or 2 MagnaPool® swimming pools (depending on volume) |

* Add 5 x 10kg bags per 10 m³ to measure a concentration of 4 g/L (4000 ppm).

## ASSOCIATED PRODUCTS

| Hydroxinator® iQ | Hydroxinator® | Crystal Clear 0,7/1,3 mm | Crystal Clear 1,0/3,0 mm |
|---|---|---|---|
| WW000172/173/174/175 | | WF000063 | WF000064 |

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# Crystal Clear

Filtration > Filtering media > Crystal Clear

+ Optimum filtration efficiency
+ Long lasting : lasts 3 times longer than sand
+ Eco-friendly : up to 75% water savings

ALL TYPES OF SWIMMING POOLS  FINE FILTRATION  ECO-FRIENDLY  MagnaPool ECOSYSTEM

|  | Crystal Clear 0,7/1,3 mm | Crystal Clear 1,0/3,0 mm |
|---|---|---|
| **PRODUCT REFERENCE** | | |
| Standard model | WF000063 | WF000064 |

| **DESCRIPTION** | | |
|---|---|
| Contents | Filtering medium made of 100% pure glass crystals |
| Form | Translucent |
| Dosage | Total weight in the filter : 10% less than the equivalent in sand<br>1,0/3,0mm : sufficient to cover the filter laterals<br>0,7/1,3 mm : in addtion, to make up the total weight |
| Filtration efficiency | 77,9% turbidity reduction* |
| Bag dimensions (l x h) | 45 x 65 cm |
| Bag net weight | 15 kg (= shipping unit, skus can be mixed on a pallet) |

## ASSOCIATED PRODUCTS

| MS filter | Hydroxinator® iQ |
|---|---|
| WF000094/95/96/97/98 | WW000172/173/174/175 |

* Turbidity reduction test carried in a lab using Crystal Clear fine under EN 16713-1 standard (test #7.2.4). Minimal regulatory requirement is 50%.

Crystal Clear 0,7/1,3 mm    9 317545 025414

Crystal Clear 1,0/3,0 mm    9 317545 025421

WATER TREATMENT

## > NATURE² MINERAL PURIFIERS
## Stand-alone and environmentally-friendly

Zodiac® mineral purifiers treat and clarify water using fewer chemical products.

### > HOW DOES IT WORK?

Nature² technology combines **recognized disinfection and purification efficiency of certain mineral components** and the unique properties of a material used in high-tech industries: ceramic. It was chosen for its unequalled contact area with water, equivalent to 16 ha in our smallest cartridge (micro-porous surface area, laid flat).

**The ceramic beads** retain micro-particles (colloidal matter) not stopped by the filter, to clarify the swimming pool water.

**Zinc particles,** coated on some ceramic beads, give Nature² cartridges algicidal properties.

**Silver particles,** coated on other ceramic beads, offer bactericidal and fungicidal (disinfection) properties.

The combined action of these 3 properties enables Nature² systems to use **up to 4 times less chlorine** compared to conventional manual treatment: 0.5 ppm free chlorine is enough (depending on conditions of use).

**OPERATION OF THE NATURE² SPA CARTRIDGE**
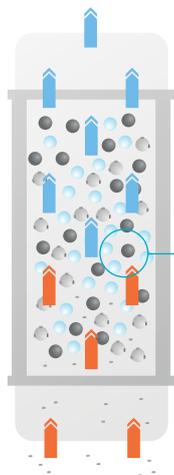


| Neutral ceramic beads | Ceramic beads impregnated with zinc | Ceramic beads impregnated with silver |
|---|---|---|
| Adsorption of colloidal matter Clarification of the water | Progressive release of copper ions Anti-algal effects | Progressive release of silver ions Bactericidal & fungicidal effect |

### > FOR ECO-RESPONSIBLE BATHING

- Requiring up to 4 times less chlorine, Nature² systems clearly enhance bathing (less odour, no more unpleasant sensations on the skin, etc.).

- By using fewer chemical products, pH is potentially less disturbed. The water balance, a measure of efficient disinfection treatment, is consequently more stable.

- Depending on models and needs, Nature² can also be used with a salt chlorinator, active oxygen, a UV system or an ozonator.

# Nature² Spa

+ Ready to use
+ Autonomous
+ Eco-friendly

**ALL TYPES OF DE SPAS**

**EASY INSTALLATION**

**ECO-FRIENDLY**

## Nature² Spa Cartridge - 6-packs display

### PRODUCT REFERENCE

| | |
|---|---|
| Standard model | WN000001 |

### ACCESSORIES INCLUDED IN THE PACK

Positioning pins

### FOR WHICH POOL?

| | |
|---|---|
| Maximum volume of treated water | 0 - 4 m³ |

### DESCRIPTION

| | |
|---|---|
| Type of disinfectant to use | Stabilised organic chlorine, «dichlor» or «trichlor» type (tablets or granules), calcium hypochlorite inroganic chlorine, liquid chlorine, active oxygen (liquid or powder) or UV treatment may be used. Compatible with salt water chlorination. |
| Cartridge life-span | 6 months from the time the cartridge is placed in the purifier |
| Compatibility | Nature² Spa is not compatible with bromide and its derivatives, chlorine free disinfectants of the PHMB types (or "biguanides"), products containing copper, stain remover products and metal blockers. |

### TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Water flow minimum / maximum | Adapted to all spa flow rates |
| Maximum operating temperature (water) | 35 °C |
| Installation | Inside the spa cartridge filter |
| Cartridge weight | 100 g |
| Minimum order quantity | 1 x 6-pack display |

### INSTALLATION

• The Nature² cartridge slides straight into the spa's cartridge filter. Use the positioning pins if necessary, so that the cartridge is positioned in the middle of the filter.

**Nature² Spa installation diagram:**
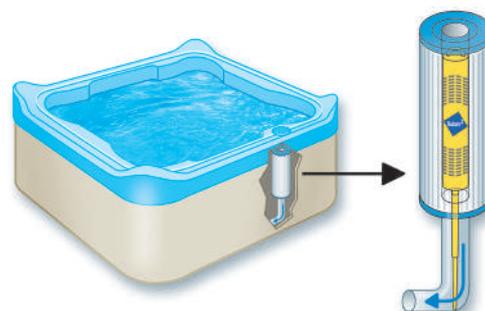
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Nature² Spa Cartridge - 6-packs display

**WATER TREATMENT**

# Automation

# > EASY, INTELLIGENT POOL AUTOMATION

Automation, as applied to the swimming pool, is intelligent management and remote control of pool equipment using any Web-enabled device (smartphone, tablet or computer).

## > TECHNOLOGY SERVING YOUR SWIMMING POOL

With extensive experience in automation developed over many years in other parts of the world, Zodiac® innovates with **AquaLink® TRi, an intuitive full connected pool system** allowing you to communicate with your swimming pool using the **dedicated iAquaLink™ app.**

**REFERENCE POINT**
Find iAquaLink™ compatible products using this pictogram.

- **iAquaLink™ identifies the remote communication technology** used by the smartphone app (or the Website).

- **AquaLink® TRi identifies the control unit** to which all the swimming pool equipment is connected.

**For more info about Zodiac®** automation scan the QR code below:

or by visiting our YouTube channel:
http://youtu.be/utgvFia1yr4

## > EASY TO USE

iAquaLink™ app lets you access the pool at any time, from anywhere, at no cost*. **All Web-enabled mobile devices and computers can be used to control the pool remotely** (smartphones, tablets, PC, MAC, etc.).

- The free iAquaLink™ application is available for Apple® and Android™ platforms, and on virtually all other internet-connected mobile devices using the Web HTML5 application (go to www.iaqualink.com for more information).

- The AquaLink® TRi control unit also has a remote user interface giving access to all settings when the user is at home.

* Free smartphone applications. Excludes any operator charge for online data usage.

**Zodiac® swimming pool automation offers 3 user interfaces:**

AquaLink® TRi      Smartphone / Tablet      PC / Mac

The Zodiac® swimming pool automation system is as suitable for a new swimming pool (installation during construction) as it is for modernising an existing swimming pool ('Retrofit').

# > HOW DOES IT WORK?

Zodiac® automation offers **efficient and customised control of all swimming pool equipment** and beyond!
Everything is connected to the AquaLink® TRi control unit to centralise information and offer the following possibilities:

- filtration times control and programming

- management of a variable speed pump (specially developed to operate with FloPro™ VS)

- control water treatment (specially developed to operate with a TRi or TRi Expert chlorinator or a MagnaPool® Hydroxinator®)

- automatic management of pH regulation (optional pH regulation module)*

- automatic management of ORP disinfection level (optional ORP regulation module)*

- control pool heating (heat pump, heat exchanger, heater, etc) & manage temp setpoint

- control pool lighting (compatible with NL Leds for colour management)

- control cleaning (booster for hydraulic pressure cleaner)

- control water features and so much more.

AquaLink®TRi offers users **intelligent and eco-responsible management of their pool.**

* Requires an upgrade for TRi chlorinators manufactured before January 2013 Control board needs to be replaced.

## STANDARD INSTALLATION



| iAquaLink™ User interface | User Internet modem | iAquaLink™ aerial | AquaLink® TRi control unit | Swimming pool equipment |

iAquaLink™     AquaLink® TRi     EQUIPMENT:
- Zodiac® equipment compatible with iAquaLink™
- Standard Zodiac® equipment
- Other equipment

Zodiac® swimming pool automation
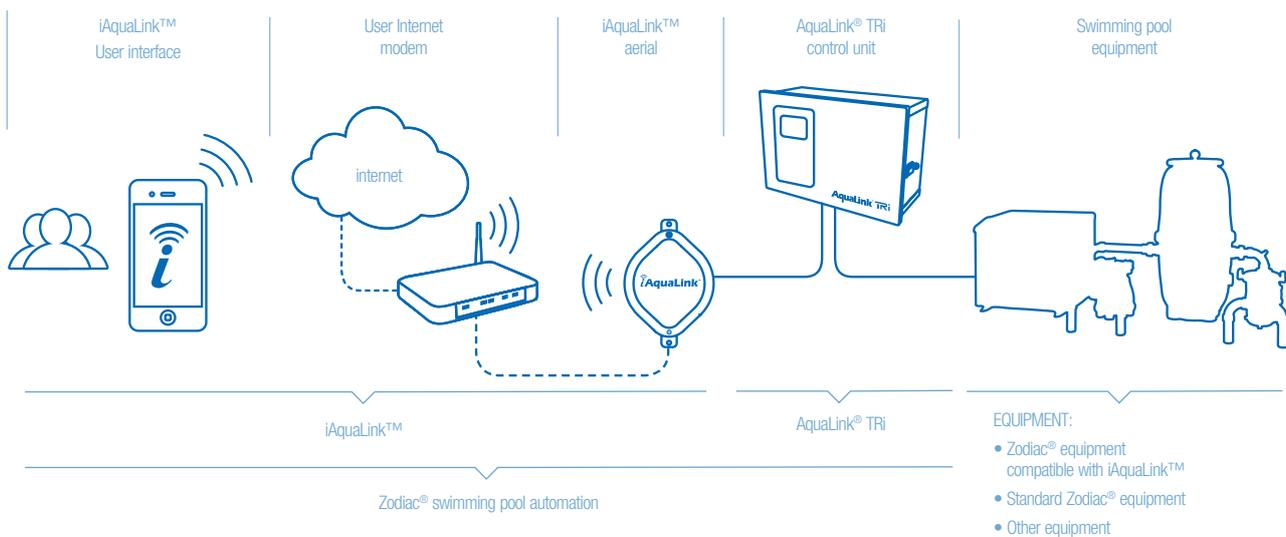
## COMPATIBILITY

**All standard swimming pool equipment can be connected to the Zodiac® swimming pool automation system.**

What's more, certain Zodiac® products, such as TRi platform chlorinators or the FloPro™ VS variable speed pump are specifically developped to work seamlessly with AquaLink® TRi. User benefits from two-way exchanges with his pool equipment, making the most of advanced functionalities.

**Products compatible with remote management through iAquaLink™ app:**



Led NL lamps

TRi Expert, TRi Expert LS & Hydroxinator® (old version)

FloPro™ VS & FloPro™ VA AUT

# AquaLink® TRi

Automation > AquaLink® TRi

**2 YEAR WARRANTY**

+ **Easy to use:** Multilingual and intuitive user interface, can be used remotely
+ **Versatile:** Compatible with all standard swimming pool equipment
+ **Intelligent:** iAquaLink™ advanced connectivity and dedicated smartphone application
+ **Synergy:** Enhances operation of swimming pool equipment

ALL TYPES OF SWIMMING POOLS    iAquaLink CONTROL    ENERGY SAVING    MagnaPool ECOSYSTEM

## PRODUCT REFERENCE

WA000016

## ACCESSORIES INCLUDED IN THE PACK

| iAquaLink™ antenna kit | Remote user interface kit | Temperature sensor kit | Installation kit |
|---|---|---|---|

## DESCRIPTION

| | |
|---|---|
| User interface | 10-line, backlit LCD screen, remote interface (remote kit supplied) |
| Languages | 8 (FR-EN-ES-DE-IT-NL-PT-AF) |
| Operating mode(s) | normal (programmed pool mode), Manual, Service mode |
| Clock / Timer | 24 h clock, up to 10 timers per controlled equipment |
| Safety features | Operating safety features with messages based on selected scenario |
| Connection to domestic internet network (via iAquaLink™ aerial) | Wired (using a RJ45 ethernet cable - not provided) |
| Possible user interfaces | AquaLink® TRi LCD screen (usable remotely) |
| Compatible mobile platforms | Apple® (free application)<br>Android™ (free application)<br>Any other mobile platform (HTML5 web application) |
| Dedicated Web Site | www.iaqualink.com |

## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| Integrated outputs | RS485 connector for all 'iAquaLink™ ready' devices<br>(Use of the multiplexed interface card is optional if more than 2 devices are connected to it)<br>Specific contact to control the heating system<br>(heat pump, heat exchanger, electric heater) |
| Configurable outputs | 4 relays, 0-250 V / 0-25 A, to control all high or low voltage equipment: filtration pump, booster pump, counter-swim pump, standard chlorinator, lighting transformer, garden lighting, etc. |
| Inputs | Temperature sensor for ambient air<br>Temperature sensor for water in the pool<br>Temperature sensor for solar heating (option) |
| Control unit dimensions (W x H x D) | 37 x 30 x 14 cm |
| Protection rating | IP55 |
| 50 Hz power supply | 220-240 VAC |

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## INSTALLATION

A = 4 relays to control any high or low voltage appliance (0-25 A). Can be used as a dry contact if only one connector pair is used (L1/Lo1 or L2/Lo2). The first relay (named « filter pump ») is only dedicated to filter pump supply (single speed, dual speed or variable speed pump).
B = 24 Vdc supply command of the 4 relays (filter pump, auxiliaries 1, 2 and 3)
C = Green terminal bar with the following connections :
• 1-2 : Dry contact for heater system management
• 3-4 : Solar heater temperature sensor connection (optional)
• 5-6 : Water temperature sensor connection
• 7-8 : Ambiant air temperature sensor connection
D = Connectors for external equipment :
• RS485 / iAquaLink™ 4-way connector :
  - iAquaLink™ antenna (provided with AquaLink® TRi unit)
  - « iAquaLink™ ready » appliances (Hydroxinator®, TRi Expert, TRi, FloPro™ VS AUT…).
  Remark : A multiplex board must be used if more than 2 appliances are connected to RS485 / iAquaLink™4-way connector (optional, part R0570200).
• RJ11 socket : Removable user interface. A remote kit is provided with a 5 m RJ11 cable.
E = Temperature sensors (from left to right) :
• Solar heater temperature sensor (optional)
• Water temperature sensor
• Ambiant air temperature sensor

**Diagram of standard connections on AquaLink® TRi**
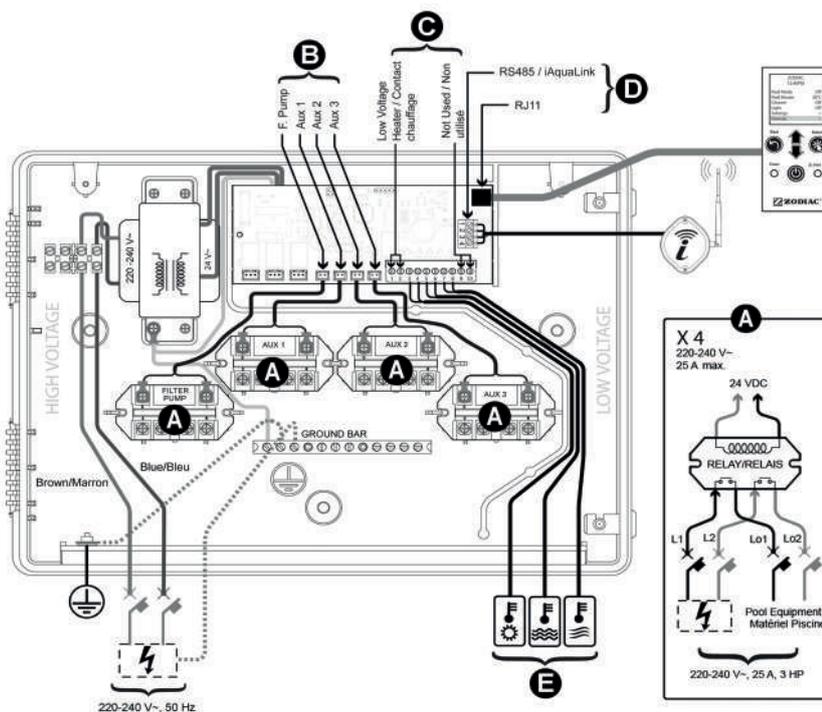
## FUNCTIONALITIES AND COMPATIBILITIES

| | Air tempe-rature | Water tem-perature | Filtration pump | Zodiac va-riable speed pump | Heating (all types) | Standard chlorinator | Zodiac chlorinators (TRi Expert, Hydroxinator) | Boost & Low modes | pH & Redox values | Auxiliaries 1, 2 & 3 | Colour lights (NL Leds) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Information | ✔ | | | | | | | | ✔ | | |
| Information + control | | ✔ | ✔ | | ✔ | ✔ | | | | ✔ | ✔ |
| Information + bilateral control | | | | ✔ | | | ✔ | ✔ | | | |

* depends on compatibility

### ACCESSOIRES DISPONIBLES EN OPTION

| | Multiplex board | TRi Expert * | TRi Expert LS* | Hydroxinator®* | FloProTM VS AUT | Projecteurs Led NL |
|---|---|---|---|---|---|---|
| reference | R0570200 | \* Available while stock lasts | | | WP000079 | WT000233, 234, 235, 236, 237 & 238 |

# RT 2100 / RT 3200

Spare Parts
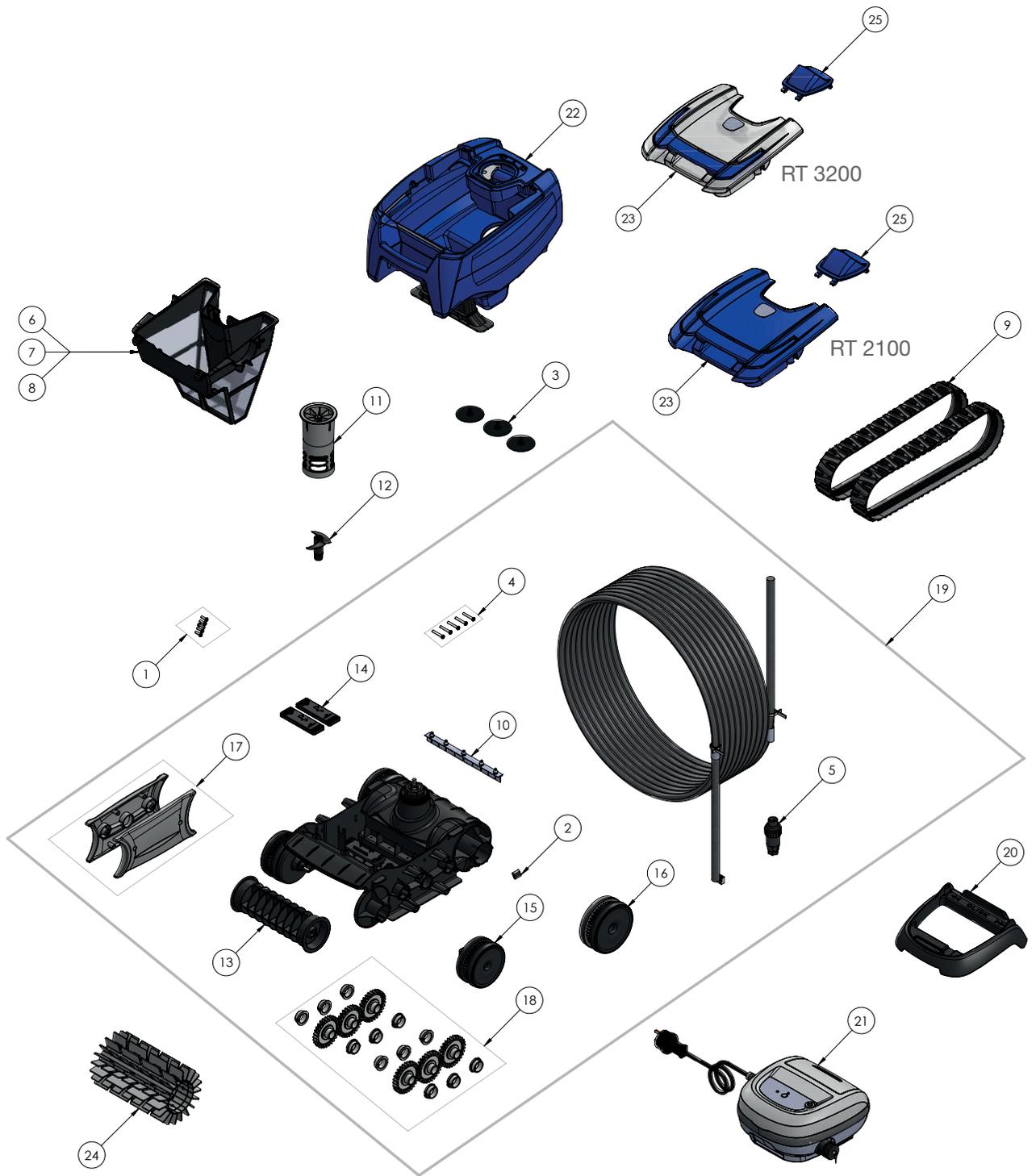
RT 3200

RT 2100

| Position | Description | RT 2100 | RT 3200 |
|---|---|---|---|
| 1 | Screws 4*12 mm (x5) | R0516700 | |
| 2 | Motor block Shaft pin Ø4 (Set of 5) | R0657900 | |
| 3 | Exhaust Valve C  (Set of 3) | R0633300 | |
| 4 | Screw 4*25 mm (Set of 5) | R0638900 | |
| 5 | Floating cable plug | R0565600 | |
| 6 | Fine filter | R0762900 | |
| 7 | Large filter | R0763000 | |
| 8 | Ultra Fine filter | R0763100 | |
| 9 | Tracks (Set of 2) | R0765600 | |
| 10 | Blades (Set of 5) | R0765800 | |
| 11 | Internal flow outlet | R0766100 | |
| 12 | Impeller | R0766200 | |
| 13 | Brush holder | R0767000 | |
| 14 | Ballast (Set of 2) | R0767100 | |
| 15 | Complete Front wheels (Set of 2) | R0771800 | |
| 16 | Complete Back wheels  (Set of 2) | R0771900 | |
| 17 | Flanges | R0772000 | |
| 18 | Complete gears kit | R0772100 | |
| 19 | Complete chassis | R0767400 | |
| 20 | Control unit base | R0662600 | |
| 21 | Control Unit floor | R0762200 | |
| | Control Unit floor & wall | | R0762300 |
| 22 | Complete body Type 1 | R0766300 | |
| 23 | Complete cover Type 11 | R0764500 | |
| | Complete cover Type 9 | | R0764300 |
| 24 | Brush R9022 | R0764900 | |
| | Brush R9022 | R0764900 | |
| 25 | External Flow OutletPMS295 | R0772200 | |
| | External Flow OutletPMS295 | R0772200 | |

| Position | Description | Reference |
|---|---|---|
| 1 | Complete Motor Block C | R0632000 |
| 2 | BowlC | R0633400 |
| 3 | Impeller C | R0633200 |
| 4 | Flow OutletC | R0633500 |
| 5 | Exhaust Valve C  (Set of 3) | R0633300 |
| 6 | Motor block Shaft pin Ø4 (Set of 5) | R0657900 |
| 7 | Handle Shaft  C | R0633600 |
| 8 | Complete free gear box C RAL9022 | R0632200 |
| 9 | Complete gear box C RAL9022 | R0632300 |
| 10 | Track  C Z (Set of 2) | R0633900 |
| 11 | Bottom plate | R0633800 |
| 12 | body A Blue C | R0633700 |
| 13 | Brush scrubber C RAL9022  Z (Set of 2) | R0633100 |
| 14 | Complete filter 100 C Z | R0632600 |
| 15 | Complete filter 200 C Z | R0632601 |
| 16 | Complete filter 60 C Z | R0632602 |
| 17 | Complete cover C A-0 | R0632400 |
| 18 | Complete Handle C Blue Z | R0631900 |
| 19 | Complete Floating cable  C 18 m | R0632101 |
| 20 | Connector 3PTS body | R0634100 |
| 21 | Floating cable  CZ | R0634200 |
| 22 | Caddy Handle | R0565000 |
| 23 | Caddy wheels (*2) | R0565100 |
| 24 | Trolley tube C | R0634400 |
| 25 | Complete lower partTrolley C | R0632800 |
| 26 | Trolley C Accessories | R0632900 |
| 27 | Screws 4*12 mm (x5) | R0516700 |
| 28 | Screw 4*16mm (Set of 5) | R0608500 |
| 29 | Control box Type 1 C | R0633000 |
| 30 | Polyester Brushes (*2) | R0697600 |
| 31 | Complete Brush roller C + 2 keys | R0722400 |
| 32 | Transport Trolley Vortex | R0639500 |
| - | Kit for splippery surfaces *2 | R0718600 |

| Position | Description | Reference |
|---|---|---|
| 1 | Main housing 2WD ii | R0589100 |
| 2 | Float | R0539700 |
| 3 | Flow Outlet | R0517500 |
| 4 | Motor block Type a | R0637800 |
| 5 | Propeller | R0517000 |
| 6 | Motor screen | R0517600 |
| 7 | Brush roller | R0517400 |
| 8 | Roller support | R0518700 |
| 9 | Screw 4*25 mm (Set of 5) | R0638900 |
| 10 | 17 Gear (*2) | R0639000 |
| 11 | Outer bearing (*2) | R0639100 |
| 12 | Rampe | R0519000 |
| 13 | Transmission | R0517200 |
| 14 | Zodiac Brush (Set of 2) | R0635900 |
| 15 | Wheel bushing zodiac | R0636700 |
| 16 | Rim rear R9022 zodiac | R0636100 |
| 17 | Rim Large R9022 zodiac | R0636001 |
| 18 | Tire rear black zodiac | R0636300 |
| 19 | Tire Large black zodiac | R0636201 |
| 20 | filter canister support | R0517700 |
| 21 | Fine filter v | R0636600 |
| 22 | Hood blue | R0544700 |
| 23 | cover latch grip PMS108 | R0638700 |
| 24 | Roller (Set of 2) | R0518100 |
| 25 | Caddy tube | R0565200 |
| 26 | Caddy Handle | R0565000 |
| 27 | Caddy wheels (*2) | R0565100 |
| 28 | Handle PMS295 LS | R0636500 |
| 29 | Caddy Accessories | R0564900 |
| 30 | Caddy base | R0564800 |
| 31 | Floating cable  18m | R0516800 |
| 32 | Floating cable  clamp (Set of 5) | R0567900 |
| 33 | Floating cable plug | R0565600 |
| 34 | Motor block Shaft  pin (Set of 5) | R0567800 |
| 35 | Screw 4*16mm (Set of 5) | R0608500 |
| 36 | Drive gear (Set of 2) | R0518800 |
| 37 | Screws 4*12 mm (x5) | R0516700 |
| 38 | Screw 2.9*9.5 mm (Set of 5) | R0639200 |
| 39 | Screws 2,2*6,5 mm (x5) | R0564500 |
| 40 | Control Unit Type 1v | R0636900 |
| 41 | Tire Large tile zodiac | R0636400 |
| 42 | Complete Trolley | R0609100 |

# RV 5300

Spare Parts

| Position | Description | Reference |
|---|---|---|
| 1 | Screws 4*12 mm (x5) | R0516700 |
| 2 | Propeller | R0517000 |
| 3 | Transmission | R0517200 |
| 4 | Brush roller | R0517400 |
| 5 | Flow Outlet | R0517500 |
| 6 | Motor screen | R0517600 |
| 7 | filter canister support | R0517700 |
| 8 | Roller (Set of 2) | R0518100 |
| 9 | Roller support | R0518700 |
| 10 | Drive gear (Set of 2) | R0518800 |
| 11 | Main housing 4WD blue | R0539200 |
| 12 | Float | R0539700 |
| 13 | Cover wheels protection | R0540300 |
| 14 | Caddy base | R0564800 |
| 15 | Caddy Accessories | R0564900 |
| 16 | Caddy Handle | R0565000 |
| 17 | Caddy wheels (*2) | R0565100 |
| 18 | Caddy tube | R0565200 |
| 19 | Floating cable plug | R0565600 |
| 20 | Motor block Shaft  pin (Set of 5) | R0567800 |
| 21 | Floating cable  clamp (Set of 5) | R0567900 |
| 22 | Hood blue deco | R0595900 |
| 23 | Screw 4*16mm (Set of 5) | R0608500 |
| 24 | Rim Large black zodiac | R0636000 |
| 25 | Tire Large ral9022 zodiac | R0636200 |
| 26 | Handle RAL9022 zodiac | R0540403 |
| 27 | Fine filter v | R0636600 |
| 28 | Wheel bushing zodiac | R0636700 |
| 29 | Motor block Type c | R0638000 |
| 30 | cover latch grip PMS108 | R0638700 |
| 31 | Brush (Set of 2) | R0638800 |
| 32 | Screw 4*25 mm (Set of 5) | R0638900 |
| 33 | 17 Gear (*2) | R0639000 |
| 34 | Outer bearing (*2) | R0639100 |
| 35 | Screw 2.9*9.5 mm (Set of 5) | R0639200 |
| 36 | Floating cable  18m | R0516800 |
| 37 | Control Unit Type 12v | R0805400 |
| 38 | Complete Trolley | R0609100 |

# RV 5400 SW / RV 5500 SW / RV 5600

Spare Parts



RV 5500 / RV 5600
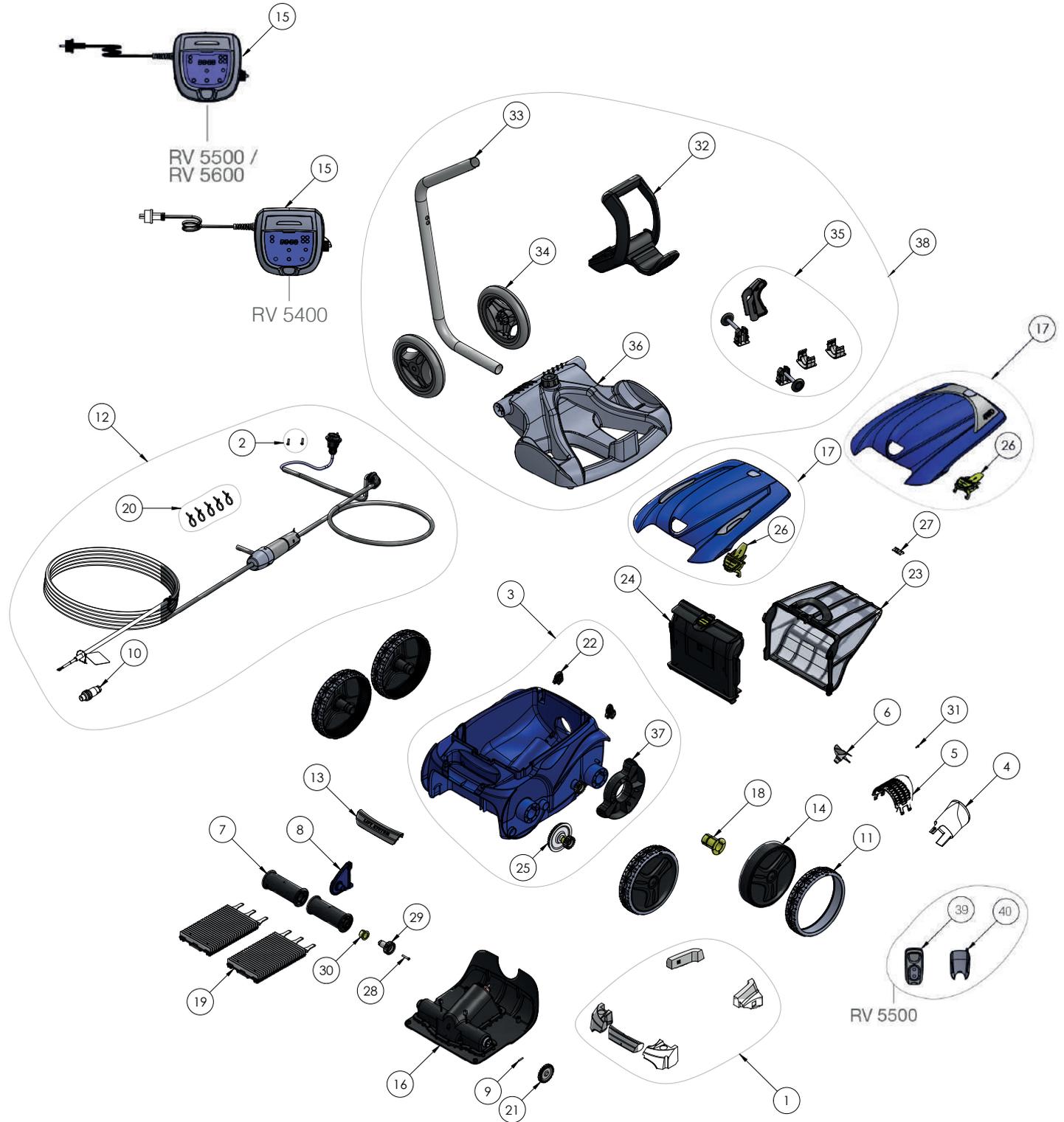
RV 5400

RV 5500

| Position | Description | RV 5400 | RV 5500 | RV 5600 |
|---|---|---|---|---|
| 1 | Float | | R0539700 | |
| 2 | Screw 4*16mm (Set of 5) | | R0608500 | |
| 3 | Main housing 4WD blue | | R0539200 | |
| 4 | Flow Outlet | | R0517500 | |
| 5 | Motor screen | | R0517600 | |
| 6 | Propeller | | R0517000 | |
| 7 | Brush roller | | R0517400 | |
| 8 | Roller support | | R0518700 | |
| 9 | Motor block Shaft pin (Set of 5) | | R0567800 | |
| 10 | Floating cable plug | | R0565600 | |
| 11 | Tire Large ral9022 zodiac | | R0636200 | |
| 12 | Floating cable 18m swivel | R0726600 | | |
| | Floating cable 21m swivel | | R0726700 | |
| | Floating cable 25m | | | R0713200 |
| 13 | Handle RAL9022 LS | | R0636501 | |
| 14 | Rim Large black zodiac | | R0636000 | |
| 15 | Control Unit Type 3v | R0637100 | | |
| | Control Unit Type 4v | | R0637200 | |
| | Control Unit Type 10v | | | R0713400 |
| 16 | Motor block Type c | R0638000 | | |
| | Motor block Type d | | R0638100 | |
| | Motor block Type d | | | R0638100 |
| 17 | Hood blue deco | R0595900 | | |
| | Hood blue spoiler | | R0596000 | |
| 18 | Wheel bushing zodiac | | R0636700 | |
| 19 | Brush (Set of 2) | | R0638800 | |
| 20 | Floating cable clamp (Set of 5) | | R0567900 | |
| 21 | Drive gear (Set of 2) | | R0518800 | |
| 22 | Roller (Set of 2) | | R0518100 | |
| 23 | Fine filter v | | R0636600 | |
| 24 | filter canister support | | R0517700 | |
| 25 | Transmission | | R0517200 | |
| 26 | cover latch grip PMS108 | | R0638700 | |
| 27 | Screws 4*12 mm (x5) | | R0516700 | |
| 28 | Screw 4*25 mm (Set of 5) | | R0638900 | |
| 29 | 17 Gear (*2) | | R0639000 | |
| 30 | Outer bearing (*2) | | R0639100 | |
| 31 | Screw 2.9*9.5 mm (Set of 5) | | R0639200 | |
| 32 | Caddy Handle | | R0565000 | |
| 33 | Caddy tube | | R0565200 | |
| 34 | Caddy wheels (*2) | | R0565100 | |
| 35 | Caddy Accessories | | R0564900 | |
| 36 | Caddy base | | R0564800 | |
| 37 | Cover wheels protection | | R0540300 | |
| 38 | Complete Trolley | | R0609100 | |
| 39 | Remote Control holster | - | R0548500 | |
| 40 | Remote Control zodiac | - | R0548400 | |

# RV 5480 iQ

Spare Parts

| Position | Description | Reference |
|---|---|---|
| 1 | Screws 4*12 mm (x5) | R0516700 |
| 2 | Propeller | R0517000 |
| 3 | Transmission | R0517200 |
| 4 | Brush roller | R0517400 |
| 5 | Flow Outlet | R0517500 |
| 6 | Motor screen | R0517600 |
| 7 | filter canister support | R0517700 |
| 8 | Roller (Set of 2) | R0518100 |
| 9 | Roller support | R0518700 |
| 10 | Drive gear (Set of 2) | R0518800 |
| 11 | Main housing 4WD blue | R0539200 |
| 12 | Float | R0539700 |
| 13 | Cover wheels protection | R0540300 |
| 14 | Caddy base | R0564800 |
| 15 | Caddy Accessories | R0564900 |
| 16 | Caddy Handle | R0565000 |
| 17 | Caddy wheels (*2) | R0565100 |
| 18 | Caddy tube | R0565200 |
| 19 | Floating cable plug | R0565600 |
| 20 | Motor block Shaft  pin (Set of 5) | R0567800 |
| 21 | Floating cable  clamp (Set of 5) | R0567900 |
| 22 | Hood blue deco | R0595900 |
| 23 | Screw 4*16mm (Set of 5) | R0608500 |
| 24 | Rim Large black zodiac | R0636000 |
| 25 | Tire Large ral9022 zodiac | R0636200 |
| 26 | Handle RAL9022 LS | R0636501 |
| 27 | Fine filter v | R0636600 |
| 28 | Wheel bushing zodiac | R0636700 |
| 29 | Motor block Type d | R0638100 |
| 30 | cover latch grip PMS108 | R0638700 |
| 31 | Brush (Set of 2) | R0638800 |
| 32 | Screw 4*25 mm (Set of 5) | R0638900 |
| 33 | 17 Gear (*2) | R0639000 |
| 34 | Outer bearing (*2) | R0639100 |
| 35 | Screw 2.9*9.5 mm (Set of 5) | R0639200 |
| 36 | Floating cable  18m swivel | R0726600 |
| 37 | Control unit iQ Type 1EU | R0762100 |
| 38 | Complete Trolley | R0609100 |

# RA 6300 IQ

Spare Parts

| Position | Description | Reference |
|---|---|---|
| 1 | Screws 4*12 mm (x5) | R0516700 |
| 2 | Propeller | R0517000 |
| 3 | Transmission | R0517200 |
| 4 | Brush roller | R0517400 |
| 5 | Flow Outlet | R0517500 |
| 6 | Motor screen | R0517600 |
| 7 | Roller support | R0518700 |
| 8 | Drive gear (Set of 2) | R0518800 |
| 9 | Cover wheels protection | R0540300 |
| 10 | Caddy base | R0564800 |
| 11 | Caddy Accessories | R0564900 |
| 12 | Caddy Handle | R0565000 |
| 13 | Caddy wheels (*2) | R0565100 |
| 14 | Caddy tube | R0565200 |
| 15 | Floating cable plug | R0565600 |
| 16 | Motor block Shaft  pin (Set of 5) | R0567800 |
| 17 | Floating cable  clamp (Set of 5) | R0567900 |
| 18 | Screw 4*16mm (Set of 5) | R0608500 |
| 19 | Complete Trolley | R0609100 |
| 20 | Wheel bushing | R0636700 |
| 21 | Brush Type 2 R9022 (Set of 2) | R0638800 |
| 22 | Screw 4*25 mm (Set of 5) | R0638900 |
| 23 | 17 Gear (*2) | R0639000 |
| 24 | Outer bearing (*2) | R0639100 |
| 25 | Screw 2.9*9.5 mm (Set of 5) | R0639200 |
| 26 | Floating cable  swivel 18m | R0726600 |
| 27 | Back cover assembly | R0863200 |
| 28 | Ultra Fine Filter 60µ | R0863500 |
| 29 | Fine Filter 100µ | R0863600 |
| 30 | Large Filter 200µ | R0863700 |
| 31 | Roller, 2PK | R0864900 |
| 32 | Cover Latch | R0865000 |
| 33 | Filter Canister Support | R0865100 |
| 34 | Float | R0865200 |
| 35 | Control Box Type 3 | R0867800 |
| 36 | Motor Block Type 1 | R0867700 |
| 37 | Tire black R7021 | R0865500 |
| 38 | Rim Black | R0867500 |
| 39 | Handle Navy Blue | R0867600 |
| 40 | Main Housing Navy Blue | R0865800 |
| 41 | Complete cover Navy Blue | R0867200 |

# RA 6500 IQ

Spare Parts

| Position | Description | Reference |
|----------|-------------|-----------|
| 1 | Screws 4*12 mm (x5) | R0516700 |
| 2 | Propeller | R0517000 |
| 3 | Transmission | R0517200 |
| 4 | Brush roller | R0517400 |
| 5 | Flow Outlet | R0517500 |
| 6 | Motor screen | R0517600 |
| 7 | Roller support | R0518700 |
| 8 | Drive gear (Set of 2) | R0518800 |
| 9 | Cover wheels protection | R0540300 |
| 10 | Caddy base | R0564800 |
| 11 | Caddy Accessories | R0564900 |
| 12 | Caddy Handle | R0565000 |
| 13 | Caddy wheels (*2) | R0565100 |
| 14 | Caddy tube | R0565200 |
| 15 | Floating cable plug | R0565600 |
| 16 | Motor block Shaft  pin (Set of 5) | R0567800 |
| 17 | Floating cable  clamp (Set of 5) | R0567900 |
| 18 | Screw 4*16mm (Set of 5) | R0608500 |
| 19 | Complete Trolley | R0609100 |
| 20 | Wheel bushing | R0636700 |
| 21 | Brush Type 2 R9022 (Set of 2) | R0638800 |
| 22 | Screw 4*25 mm (Set of 5) | R0638900 |
| 23 | 17 Gear (*2) | R0639000 |
| 24 | Outer bearing (*2) | R0639100 |
| 25 | Screw 2.9*9.5 mm (Set of 5) | R0639200 |
| 26 | Floating cable swivel 18m | R0726600 |
| 27 | Back cover assembly | R0863200 |
| 28 | Sensor Block assembly | R0863300 |
| 29 | Ultra Fine Filter 60µ | R0863500 |
| 30 | Fine Filter 100µ | R0863600 |
| 31 | Large Filter 200µ | R0863700 |
| 32 | Roller, 2PK | R0864900 |
| 33 | Cover Latch | R0865000 |
| 34 | Filter Canister Support | R0865100 |
| 35 | Float | R0865200 |
| 36 | Motor Block  Type 2 | R0865400 |
| 37 | Tire black R7021 | R0865500 |
| 38 | Rim black R7021 and Silver | R0865600 |
| 39 | Handle Navy Blue/Silver with  window | R0865700 |
| 40 | Main Housing Navy Blue | R0865800 |
| 41 | Complete cover Navy Blue | R0867200 |
| 42 | Control Box Type 5 | R0867300 |

# RA 6700 IQ

Spare Parts

| Position | Description | Reference |
|----------|-------------|-----------|
| 1 | Screws 4*12 mm (x5) | R0516700 |
| 2 | Propeller | R0517000 |
| 3 | Transmission | R0517200 |
| 4 | Brush roller | R0517400 |
| 5 | Flow Outlet | R0517500 |
| 6 | Motor screen | R0517600 |
| 7 | Roller support | R0518700 |
| 8 | Drive gear (Set of 2) | R0518800 |
| 9 | Cover wheels protection | R0540300 |
| 10 | Caddy base | R0564800 |
| 11 | Caddy Accessories | R0564900 |
| 12 | Caddy Handle | R0565000 |
| 13 | Caddy wheels (*2) | R0565100 |
| 14 | Caddy tube | R0565200 |
| 15 | Floating cable plug | R0565600 |
| 16 | Motor block Shaft pin (Set of 5) | R0567800 |
| 17 | Floating cable clamp (Set of 5) | R0567900 |
| 18 | Screw 4*16mm (Set of 5) | R0608500 |
| 19 | Complete Trolley | R0609100 |
| 20 | Wheel bushing zodiac | R0636700 |
| 21 | Brush (Set of 2) | R0638800 |
| 22 | Screw 4*25 mm (Set of 5) | R0638900 |
| 23 | 17 Gear (*2) | R0639000 |
| 24 | Outer bearing (*2) | R0639100 |
| 25 | Screw 2.9*9.5 mm (Set of 5) | R0639200 |
| 26 | Floating Cable swivel 21M | R0713200 |
| 27 | Back cover assembly | R0863200 |
| 28 | Sensor Block assembly | R0863300 |
| 29 | Ultra Fine Filter 60µ | R0863500 |
| 30 | Fine Filter 100µ | R0863600 |
| 31 | Large Filter 200µ | R0863700 |
| 32 | Roller, 2PK | R0864900 |
| 33 | Cover Latch | R0865000 |
| 34 | Filter Canister Support | R0865100 |
| 35 | Float | R0865200 |
| 36 | Control Box Type 1 | R0865300 |
| 37 | Motor Block Type 2 | R0865400 |
| 38 | Tire black R7021 | R0865500 |
| 39 | Rim black R7021 and Silver | R0865600 |
| 40 | Handle with sensor Navy Blue/Silver | R0865700 |
| 41 | Main Housing Navy Blue | R0865800 |
| 42 | Complete cover | R0865900 |

| Position | Description | Reference |
|---|---|---|
| 1 | Complete smart motor block | W2120A |
| 2 | Complete smart rear wheel | W2103A |
| 3 | Smart rear wheel axle | W2106A |
| 4 | Complete smart front wheel | W2102A |
| 5 | Complete vortex™ 1 cover | W2111A |
| 6 | Complete smart Brush | W2107A |
| 7 | Smart right rotation kit | W2119A |
| 8 | Smart flow guide kit | W2112A |
| 9 | Smart propeller kit | W2113A |
| 10 | Smart rear Handle kit | W2117A |
| 11 | Smart left rotation kit | W2118A |
| 12 | Smart lest kit -16 | W2204A |
| 13 | Smart outlet valve kit | W2115A |
| 14 | Smart filter | W2109B |
| 15 | Smart Floating cable  kit | W2104A |
| 16 | Smart front wheel bandage kit | W2105A |
| 17 | Smart Floating cable kit-150 | W2205A |
| 18 | Complete smart cable floater | W2108A |
| 19 | Smart valve cover kit | W2100A |
| 20 | Control box mounting | W2101A |
| 21 | cover float side | W2162A |
| 22 | cover float top | W2161A |
| 23 | Smart waterproof o-ring seal | W2320A |
| 24 | Vortex ™ 1 pack 2 filters 100 microns | W2199A |
|  | Vortex™ 1 pack 2 filters 200 microns | W2198A |
| - | Vortex™ 1 transport bag | W2200A |

Vortex 2 - 3

Vortex 4

Vortex 2

Vortex 3

Vortex 4

| Position | Description | Vortex 2 | Vortex 3 | Vortex 4 |
|---|---|---|---|---|
| 1 | Screw 2.9*9.5 mm (Set of 5) | | R0639200 | |
| 2 | Screw 4*16mm (Set of 5) | | R0608500 | |
| 3 | Motor block Shaft  pin (Set of 5) | | R0567800 | |
| 4 | Motor screen | | R0517600 | |
| 5 | Screw 4*25 mm (Set of 5) | | R0638900 | |
| 6 | Flow Outlet | | R0517500 | |
| 7 | Zodiac Brush (Set of 2) | R0635900 | | |
| 7 | Brush (Set of 2) | | | R0638800 |
| 8 | Propeller | | R0517000 | |
| 9 | Motor screen | | R0517600 | |
| 10 | filter canister support | | R0517700 | |
| 11 | Fine filter v | | R0636600 | |
| 11 | Ultra Fine filter v | | R0638600 | |
| 11 | Large filter v | | R0643700 | |
| 12 | Float  front | | R0539700 | |
| 13 | Float rear | | R0539700 | |
| 14 | Tire Large black zodiac | | R0636201 | |
| 14 | Tire Large Tile pools | | R0636400 | |
| 14 | Rim Large R9022 zodiac | | R0636001 | |
| 15 | Tire rear black zodiac | | R0636300 | |
| 15 | Rim rear R9022 zodiac | | R0636100 | |
| 16 | 17 Gear (*2) | | R0639000 | |
| 17 | Drive gear (Set of 2) | | R0518800 | |
| 18 | Wheel bushing zodiac | | R0636700 | |
| 19 | Outer bearing (*2) | | R0639100 | |
| 20 | Floating cable  15m | | R0516800 | |
| 20 | Floating cable  18m | R0516800 | | |
| 20 | Floating cable  21m | | | R0528700 |
| 21 | Brush roller | | R0517400 | |
| 22 | Main housing 2WD ii | | R0589100 | |
| 23 | Roller support | | R0518700 | |
| 24 | Hood blue | R0544700 | | |
| 24 | Hood blue  Vortex 4 | | | R0638500 |
| 25 | Roller (Set of 2) | | R0518100 | |
| 26 | Screws 2,2*6,5 mm (x5) | | R0564500 | |
| 27 | Rampe | | R0519000 | |
| 28 | Motor block Type a | R0637800 | | |
| 28 | Motor block Type b | | | R0637900 |
| 29 | V4 remote Control | | W1889A | |
| 30 | Control unit Vortex™ 2 | R0637300 | | |
| 30 | Control unit Vortex™ 3 | | W1888B | |
| 30 | Generic command box | | | W2076B |
| 31 | Floating cable  clamp (Set of 5) | | R0567900 | |
| 32 | cover latch grip pms108 | | R0638700 | |
| 33 | Transmission | | R0517200 | |
| 34 | Floating cable plug | | R0565600 | |
| 35 | V4 remote Control | - | | W2037A |
| 36 | Control unit base | | R0662600 | |
| - | Protective cover (for w1889A caddy) | | W1581B | |
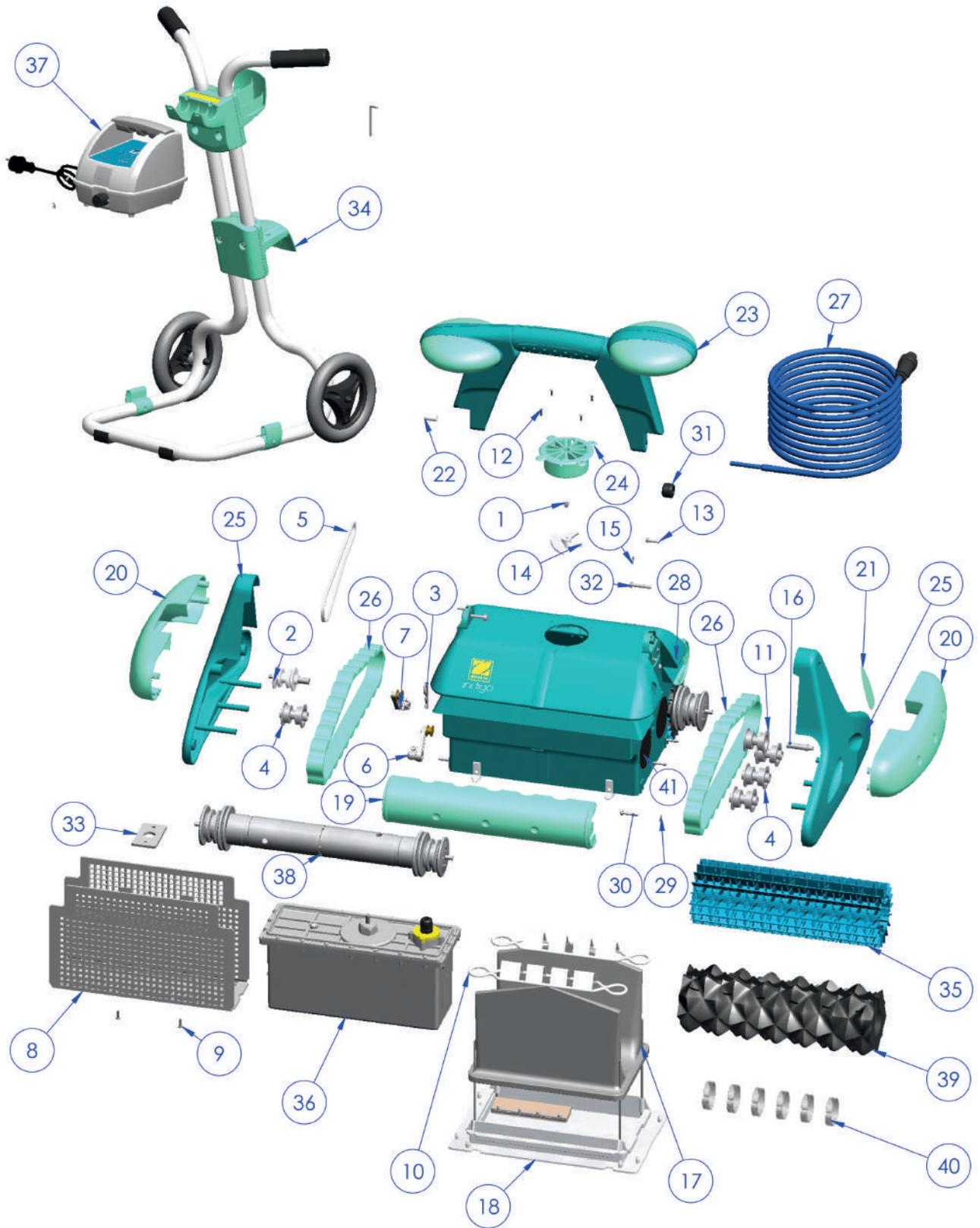
# Indigo™

Spare Parts

| Position | Description | Reference |
|---|---|---|
| 1 | Handle Cap Diam 6mm * | W0002A |
| 2 | Motor Shaft Pulley | W0010A |
| 3 | Beta Pin* | W0011A |
| 4 | Long Track Guide Pulley | W0013A |
| 5 | Transmission Belt | W0014A |
| 6 | S Shaped Belt Tensioner | W0037A |
| 7 | C Shaped Belt Tensioner | W0038A |
| 8 | Motor Casing Protection Grid* | W0044A |
| 9 | Screw VT TCL Pozi 3.5X13 A2* | W0090A |
| 10 | filter Bag Blocking Peg | W0095A |
| 11 | Short Track Guide Pulley | W0121A |
| 12 | Screw VT TFC Pozi 2.9X9.5 A2* | W0351A |
| 13 | Screw VT TCL Pozi 3.5X19 A2* | W0375A |
| 14 | Swr white Propeller Dia 64* | W0435A |
| 16 | Axle Pulley Track * | W1125A |
| 17 | AF2 filter Bag With Eyeholes | W1187B |
| 18 | Complete 1E filter Holder white | W0027D |
| 19 | Green Front Bumper * | W1208A |
| 20 | Green Side Bumper * | W1209A |
| 21 | Drip Loop Adhesive * | W1214A |
| 22 | Handle Spacer * | W1216A |
| 23 | Complete Handle | W1219A |
| 24 | Blue Indigo™ Flow Guide | W1220A |
| 25 | Indigo™ C Track cover | W1221A |
| 26 | Blue Track | W1222A |
| 27 | 18M-8-4Pt P299 Floating cable * | W1226A |
| 28 | Complete Indigo™ body * | W1286A |
| 29 | Washer M4 A2 * | W0017A |
| 30 | Screw VT TCL Pozi 3.9X25 A2 * | W0164A |
| 31 | DM8 Cable Tightener Black * | W1215A |
| 32 | Screw VM TCL Pozi 5X30 A4 * | W1412A |
| 33 | Stainless Steel Weight * | W1521A |
| 34 | Europe Indigo™ Caddy * | W1534A |
| 35 | Blue Blade Brush (Set of 2) | W1585A |
| 36 | 2M 2008 Motor Block | W1655A |
| 37 | Generic 08 Control Box | W1671B |
| 38 | Brush Holder | W0018A |
| 39 | Black Foam Brush PPI 60 | W0887A |
| 40 | Foam Fixing Clip | W0139A |
| 41 | Shell Round Valve Black | W0019B |
|  | AF2 filter Bag With Eyeholes | W1187B |
|  | Large debris filter bag * | W1579A |
|  | Ultra fine debris filter bag * | W1583A |
| - | Black Foam Brush PPI 60 | W0887A |
|  | 6 Foam clips | W0889A |
|  | Rubber Brush Black | W1586A |
|  | Blue Blade Brush (Set of 2) | W1585A |

*Until the stocks are exhausted

# Lazernaut

Spare Parts
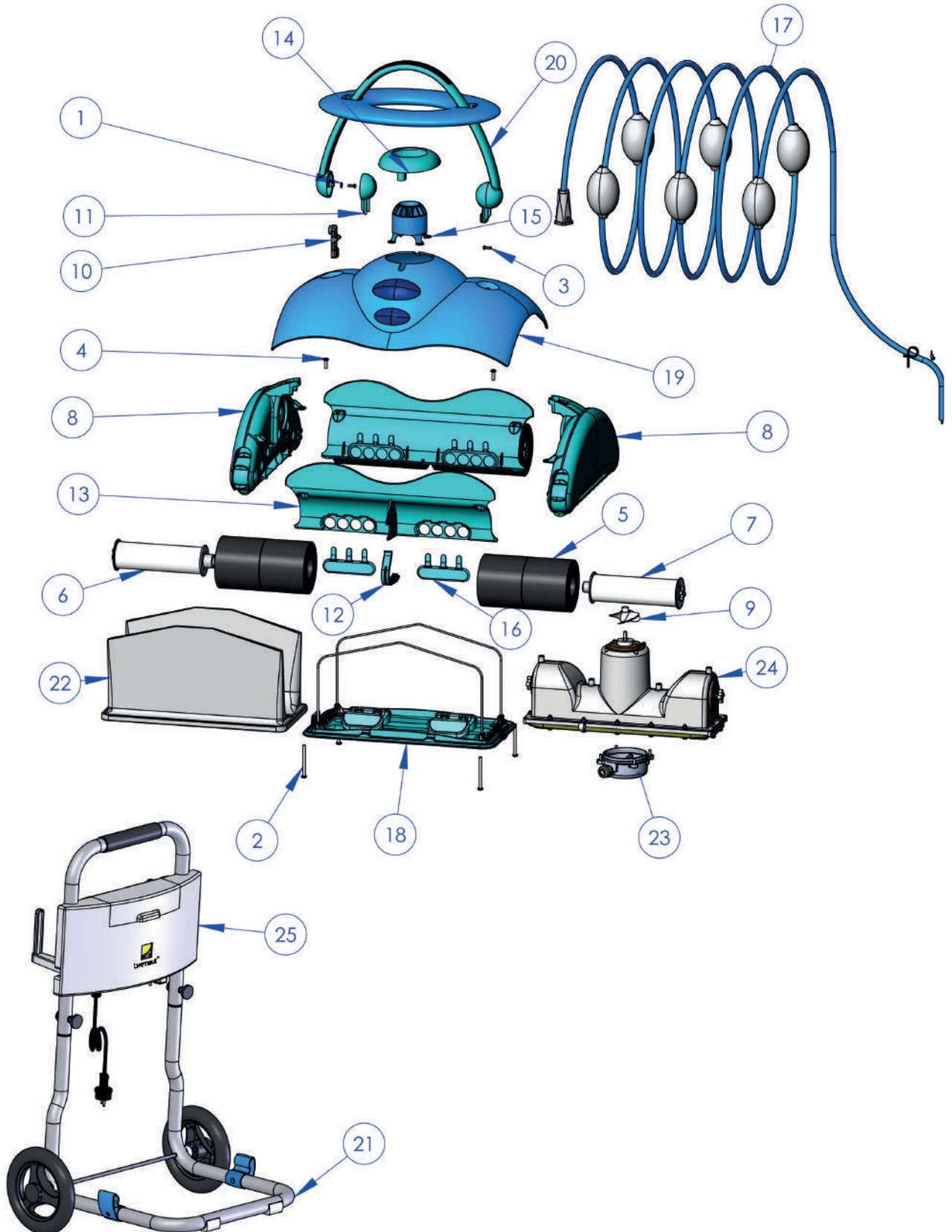
| Position | Description | Reference |
|---|---|---|
| 1 | Washer M4 A2 * | W0017A |
| 2 | Screw VP pozi 5x60 A2 * | W1024B |
| 3 | Screws 4*12 mm (x5) | R0516700 |
| 4 | Screw VP TCL pozi 5X16 A2 * | W1026A |
| 5 | Foam pad (Set of 8) | W1596A |
| 6 | Foam Brush SW2 Large  Ø | W1047A |
| 7 | Foam Brush SW2 SMALL Ø | W1053A |
| 8 | grey SW2 Gear Cartridge | W1421A |
| 9 | Propeller SW2 * | W1067A |
| 10 | Handle swivel joint SW2 * | W1084A |
| 11 | Handle clip Lazernaut * | W1085A |
| 12 | Roller clip Lazernaut * | W1086A |
| 13 | Cross-bar Lazernaut * | W1087A |
| 14 | Deco flow guide Lazernaut * | W1091A |
| 15 | Flow guide Lazernaut * | W1092A |
| 16 | Drain valve Lazernaut * | W1093A |
| 17 | Cable FLO SW2 17M turquoise * | W1102A |
| 18 | Complete grey SW2 filter Holder | W1422B |
| 19 | cover Lazernaut * | W1163A |
| 20 | Complete Handle Lazernaut * | W1165A |
| 21 | Complete Trolley Lazernaut BLC * | W1167D |
| 22 | Ultra fine debris filter bag * | W1583A |
| 23 | Round relay box kit | W1507A |
| 24 | Complete motor block SW2 NB2 | W1508C |
| 25 | Control box LZ 2010 * | W1979A |

*Until the stocks are exhausted

# Sweepy® Free

Spare Parts
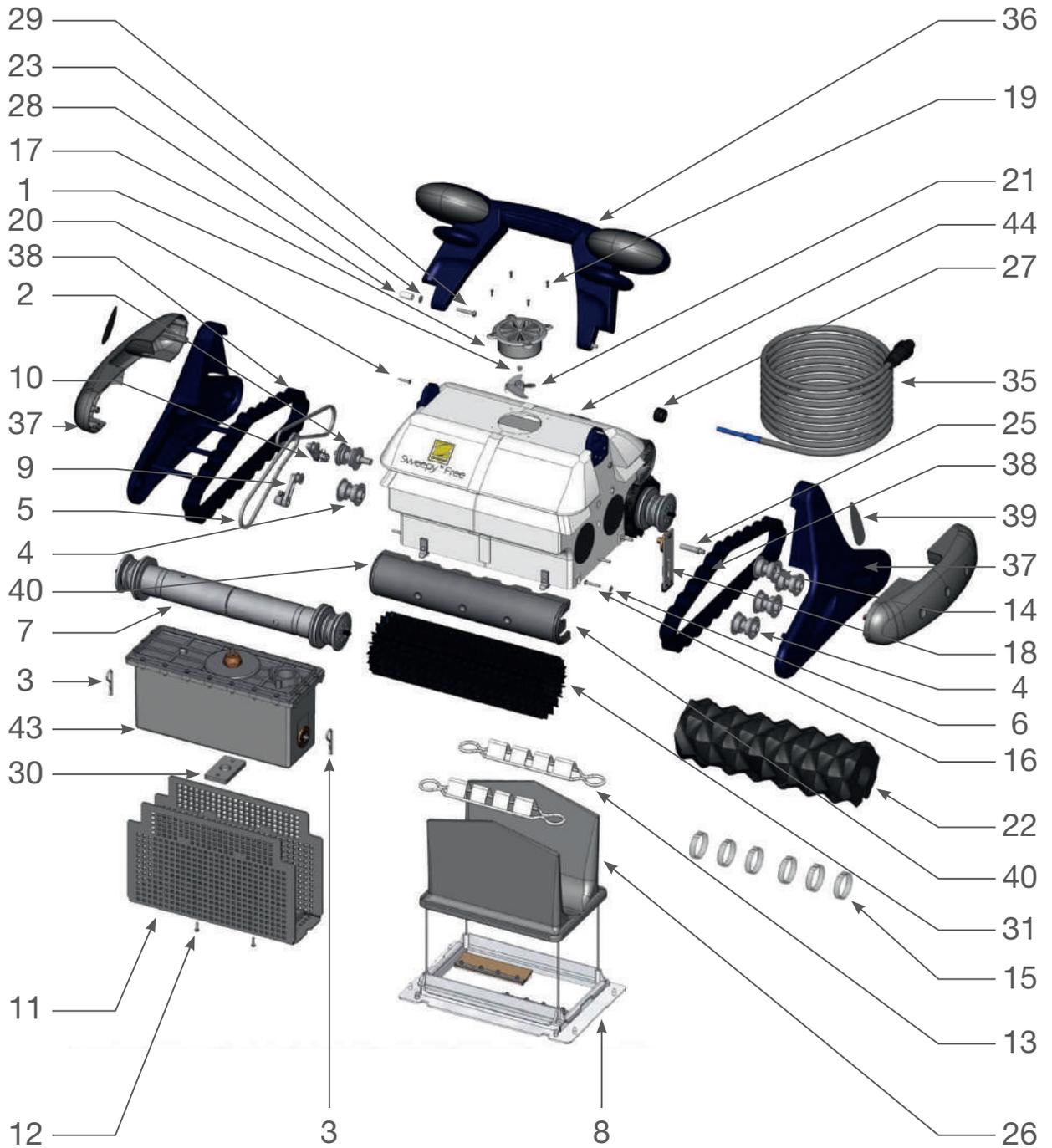
| Position | Description | Reference |
|---|---|---|
| 1 | Handle Cap Diam 6mm * | W0002A |
| 2 | Motor Shaft Pulley | W0010A |
| 3 | Beta Pin * | W0011A |
| 4 | Long Track Guide Pulley | W0013A |
| 5 | Transmission Belt | W0014A |
| 6 | Washer M4 A2 * | W0017A |
| 7 | Brush Holder | W0018A |
| 8 | Complete 1E filter Holder white | W0027D |
| 9 | S Shaped Belt Tensioner | W0037A |
| 10 | C Shaped Belt Tensioner | W0038A |
| 11 | Motor Casing Protection Grid * | W0044A |
| 12 | Screw VT TCL Pozi 3.5X13 A2 * | W0090A |
| 13 | filter Bag Blocking Peg | W0095A |
| 14 | Short Track Guide Pulley | W0121A |
| 15 | Foam Fixing Clip | W0139A |
| 16 | Screw VT TCL Pozi 3.9X25 A2 * | W0164A |
| 17 | Flow Outletwhite * | W0233A |
| 18 | Turn Foot Set | W0344B |
| 19 | Screw VT TFC Pozi 2.9X9.5 A2 * | W0351A |
| 20 | Screw VT TCL Pozi 3.5X19 A2 * | W0375A |
| 21 | Swr white Propeller Dia 64 * | W0435A |
| 22 | Black Foam Brush PPI 60 | W0887A |
| 23 | Washer M5 A2 * | W1096A |
| 25 | Axle Pulley Track * | W1125A |
| 26 | AF2 filter Bag With Eyeholes | W1187B |
| 27 | DM8 Cable Tightener Black * | W1215A |
| 28 | Handle Spacer * | W1216A |
| 29 | Screw VM TCL Pozi 5X30 A4 * | W1412A |
| 30 | Stainless Steel Weight * | W1521A |
| 31 | Rubber Brush Black | W1586A |
| 32 | Sweepy Free Command Box * | W1560A |
| 33 | 3M Remote Control * | W1618A |
| 34 | Complete Sweepy FreeTrolley * | W1633A |
| 35 | Floating cable 16M-8-4Pt PCG 8 * | W1636B |
| 36 | Complete C Handle Dark Blue * | W1638A |
| 37 | Track Flange Blue * | W1640A |
| 38 | Dark Blue Track | W0015B |
| 40 | Front Bumper grey * | W1340A |
| 41 | Side Bumper grey * | W1341A |
| 43 | 3M Complete Motor Block * | W1757A |
| 44 | Complete Shell * | W1758A |
| - | AF2 filter Bag With Eyeholes | W1187B |
| | Large debris filter bag * | W1579A |
| | Black Foam Brush PPI 60 | W0887A |
| | 6 Foam clips | W0889A |
| | Rubber Brush Black | W1586A |

*Until the stocks are exhausted

| Position | Description | Reference |
|:---:|:---|:---:|
| 1 | Propeller SW2 * | W1067A |
| 2 | grey SW2 Gear Cartridge | W1421A |
| 3 | white Right Handle Clip * | W1436A |
| 4 | white Flow Guide * | W1442A |
| 5 | Blue Flow Guide Deco * | W1441A |
| 6 | white Left Handle Clip * | W1435A |
| 7 | grey SW2 Outlet Valve * | W1443A |
| 8 | grey SW2 Cross Part * | W1438A |
| 9 | white Cnt cover * | W1518B |
| 10 | Ultra fine debris filter bag | W1583A |
| 11 | Complete grey SW2 filter Holder | W1422B |
| 12 | grey SW2 Roller Clip | W1437A |
| 13 | Foam Brush SW2 Large  Ø | W1047A |
| 14 | Foam Brush SW2 SMALL Ø | W1053A |
| 15 | Foam pad (Set of 8) | W1596A |
| 16 | Complete white Handle * | W1439A |
| 17 | Handle swivel joint SW2 * | W1084A |
| 18 | Belt Tightening Collar And Screw * | W0093A |
| 19 | Cnt Cable Holder * | W1587A |
| 20 | SW2 17 grey Flo Cable | W1426A |
| 21 | Washer M4 A2 * | W0017A |
| 22 | Screws 4*12 mm (x5) | R0516700 |
| 23 | Screw VP pozi 5x60 A2 * | W1024B |
| 24 | Screw VP TCL pozi 5X16 A2 * | W1026A |
| 26 | Round relay box kit | W1507A |
| 27 | Complete motor block SW2 NB2 | W1508C |
| 28 | Complete Cybernaut Nt B Caddy * | W1505D |
| 29 | 2010 Cnt Cont. Box | W1793B |
| - | Ultra fine debris filter bag | W1583A |
|  | 100 micron filter bag | W1584A |
|  | PVA Brushes ( set of 4) | W1582A |
|  | Protective cover * | W1064P |
| 20 | grey Flo Cable SW2 25M * | W1570A |

*Until the stocks are exhausted

# Kontiki™ 2

Spare Parts

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**Bague**

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Kontiki 2

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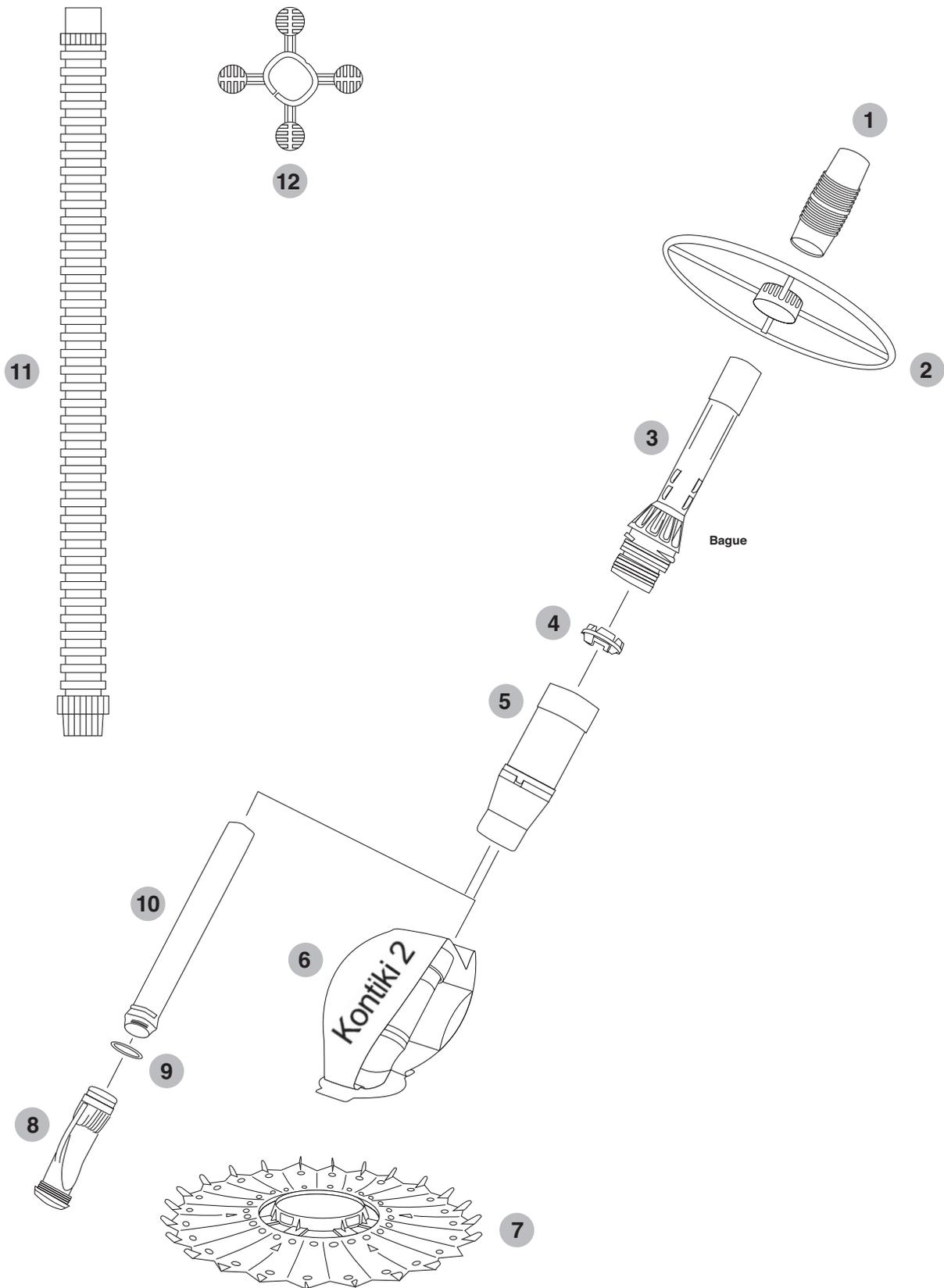
| Position | Description | Reference |
|---|---|---|
| 1 | Hose Weir Adapter (Not In Product Box) | W32305P |
| 2 | Circular Deflector | W46005 |
| 3 | External Exhaust Hose | W70247 |
| 4 | Compression Ring | W74000P |
| 5 | Cartridge | W70475 |
| 6 | Kontiki™ 2 body | W40922 |
| 7 | Kontiki™ 2 Disc | W70473 |
| 8 | Suction Valve | W69314 |
| 9 | Compression Ring | W81600P |
| 10 | Inner Extension Pipe | W56525P |
| 11 | Set of 6 Bicolour 1M Long Life Hoses | W69100 |
| 12 | Hose Deflector | W24206 |

| Position | Description | Reference |
|---|---|---|
| 1 | T3/B3/R3 Handnut | W70715 |
| 2 | T3/B3/R3 Washers (Upper & Lower) | W70716 |
| 3 | Cleaner internal assembly | W70717 |
| 4 | External outlet hose | W70718 |
| 5 | Cartridge | W70719 |
| 6 | Internal outlet hose | W70720 |
| 7 | Diacyclone diaphragm | W73010P |
| 8 | T3 Float | W70733 |
| 9 | T3/B3/R3 Bumper | W70722 |
| 10 | T3 body | W70734 |
| 11 | T3/B3 Disc | W70724 |
| 12 | Set of 6 x 1 m Twist Lock hoses | W78055 |
| 14 | Automatic flow rate adjustment valve | W60055P |
| 15 | Flow rate tester | W70335P |
| 16 | Hose counterweight | W83247P |
| 17 | 45-degree elbow | W70244 |
| 18 | Conical adaptor | W69657P |
| 19 | Quick Release Wheel Deflector Assembly, Blue Iridium | W70730 |
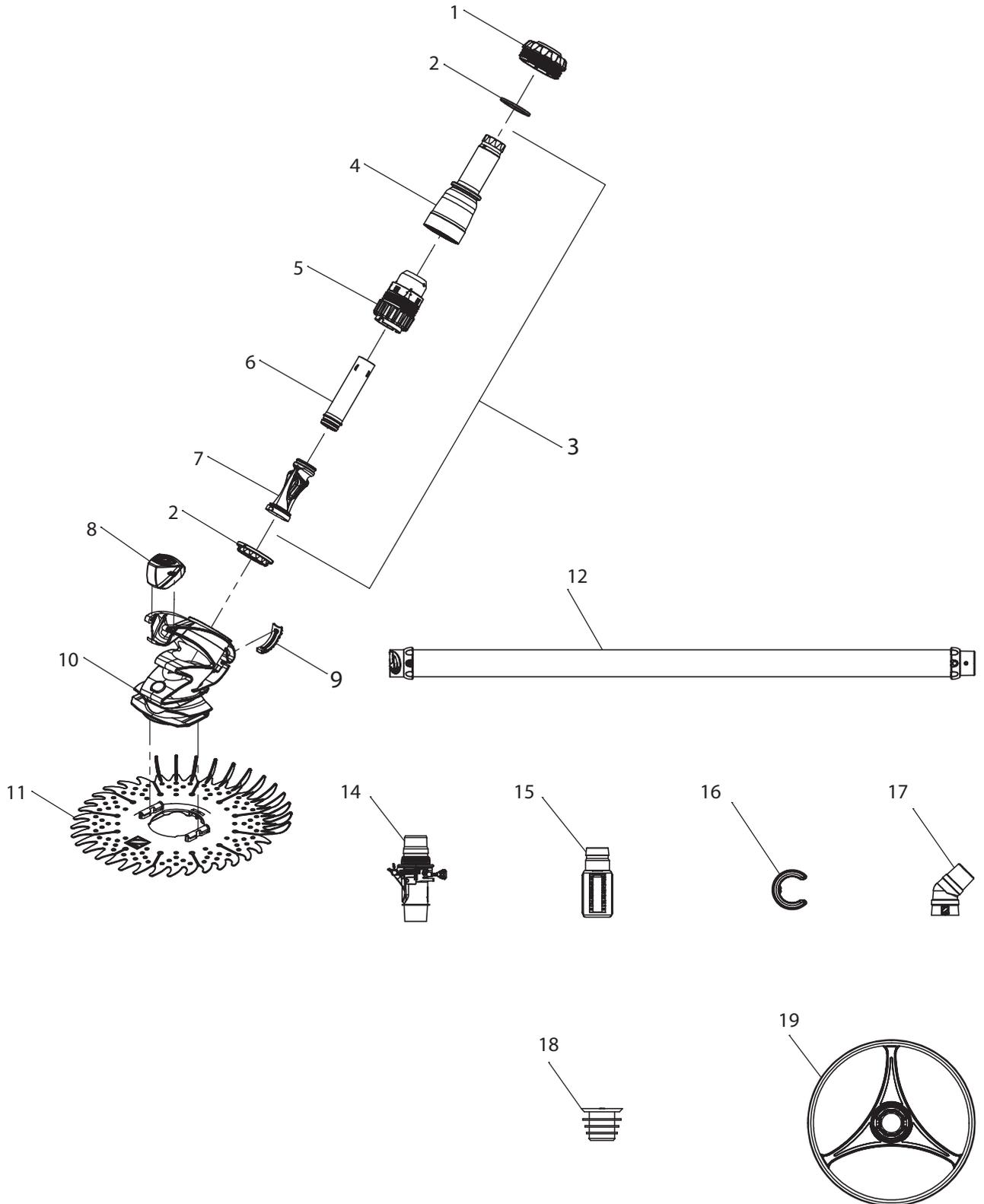
# T5® Duo

Spare Parts
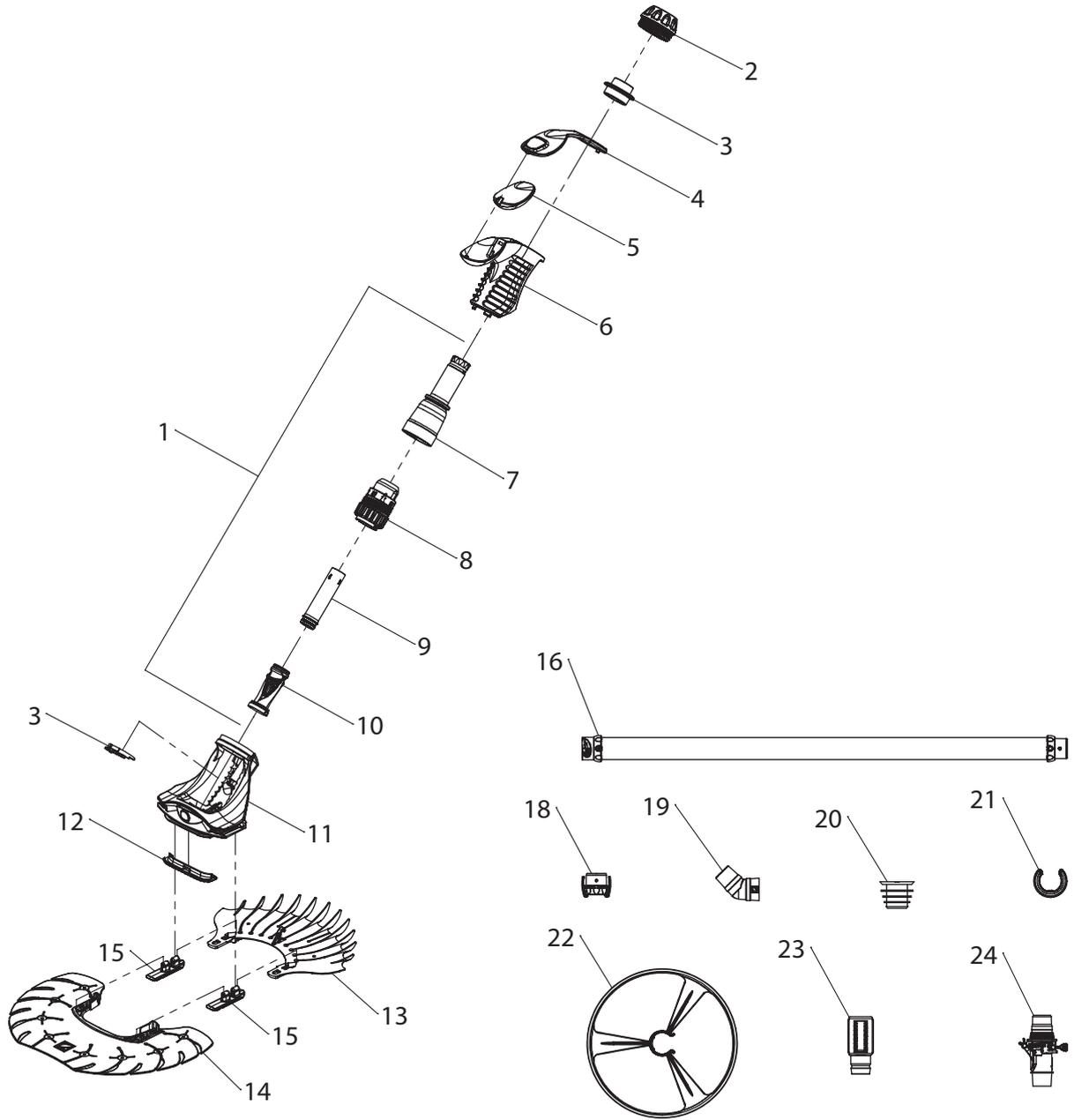
| Position | Description | Reference |
|---|---|---|
| 1 | Cleaner internal assembly | W70717 |
| 2 | Yellow ring | W78101 |
| 3 | Compression Ring | W78005 |
| 4 | Float upper part, silver | W78102 |
| 5 | Float | W78014 |
| 6 | Float lower part, blue | W78103 |
| 7 | External outlet hose | W70718 |
| 8 | Cassette | W70719 |
| 9 | Internal outlet hose | W70720 |
| 10 | Diacyclone diaphragm | W73010P |
| 11 | Blue body/head | W78104 |
| 12 | Fender, silver | W78105 |
| 13 | Front disc, silver | W78106 |
| 14 | Rear disc, blue | W78107 |
| 15 | Disc Connectors, silver | W78108 |
| 16 | Set of 6 x 1 m Twist Lock hoses | W78055 |
| 18 | Quick Connector, blue | W79033P |
| 19 | 45-degree elbow | W70244 |
| 20 | Conical adaptor | W69657P |
| 21 | Hose counterweight | W83247P |
| 22 | Anti-jamming wheel, blue | W78076 |
| 23 | Flow rate tester | W70335P |
| 24 | Automatic flow rate adjustment valve | W60055P |

# MX8™ / MX8™ PRO / MX9™

Spare Parts

MX8™

MX8™

MX9™
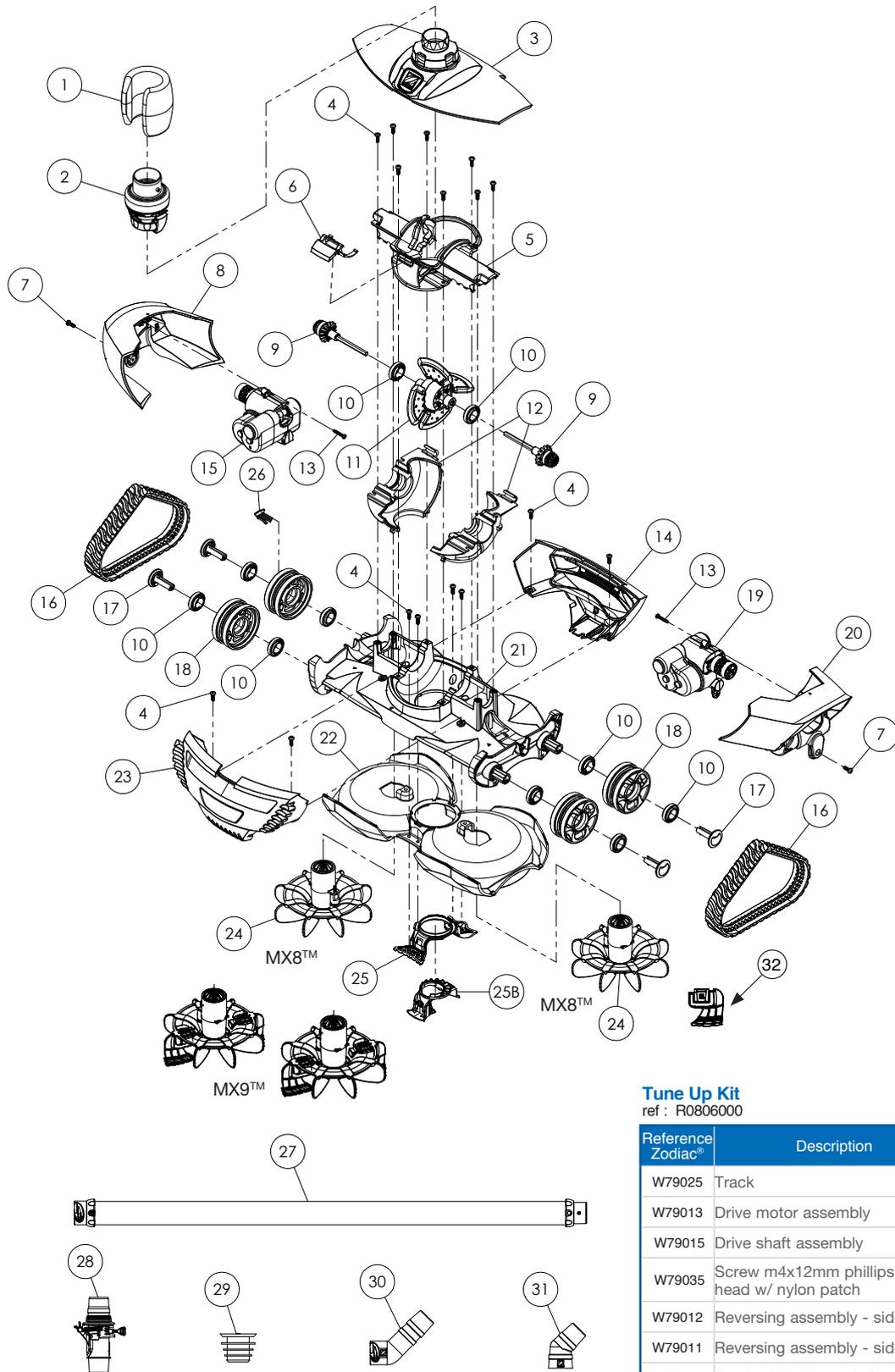
**Tune Up Kit**
ref : R0806000

| Reference Zodiac® | Description | Qté |
|---|---|---|
| W79025 | Track | 2 |
| W79013 | Drive motor assembly | 1 |
| W79015 | Drive shaft assembly | 2 |
| W79035 | Screw m4x12mm phillips #2 pan head w/ nylon patch | 2 |
| W79012 | Reversing assembly - side B | 1 |
| W79011 | Reversing assembly - side A | 1 |
| W79034 | Bearing (wheel & engine) | 2 |

| Position | Description | MX8™ / MX8™ PRO | MX9 |
|---|---|---|---|
| 1 | Hose float | W79032P | |
| 2 | Flow regulator valve | 60001100 | |
| 3 | Top cover/swivel assembly | W79018 | |
| 4 | Screw m4x12mm phillips #2 pan head | W79035 | |
| 5 | Middle drive motor housing | W79066 | |
| | Engine Seal | W79029 | |
| | Engine Ramp | W79028 | |
| 6 | cover latch 1 | W79027 | |
| 7 | Screw m4x12mm phillips #2 pan head | W79035 | |
| 8 | body panel - right | W79030 | |
| 9 | Drive Shaft  assembly | W79015 | |
| 10 | Bearing (wheel & engine) | W79034 | |
| 11 | Drive motor assembly | W79013 | |
| 12 | Lower drive motor housing - side A & side B | W79022 | |
| 13 | Screw thread forming #6-18 7/8in Type a phillips #2 pan head | W79036 | |
| 14 | body panel - rear | W79020 | |
| 15 | Reversing assembly - side B | W79012 | |
| 16 | Track | W79025 | |
| 17 | Wheel pin | W79065 | |
| 18 | Wheel | W79024 | |
| 19 | Reversing assembly - side A | W79011 | |
| 20 | body panel - left | W79031 | |
| 21 | chassis assembly | W79062 | |
| 22 | Lower body housing | W79021 | |
| 23 | body panel - front | W79019 | R0773500 |
| 24 | scrubber assembly | W79014 | |
| | Turbines Kit + brushes (set of 2) | | R0756300 |
| 25 | Inlet assembly | W79017 | |
| 25B | Regular opening | W79047P | |
| 26 | Wheel speed indicator | A0235200 | |
| 27 | Set of 6 x 1 m Twist Lock hoses | W78055 | |
| 28 | Automatic flow rate adjustment valve | W60055P | |
| 29 | Conical adaptor | W69657P | |
| 30 | Twist-lock 45 deg elbow extended | W73011P | |
| 31 | 45-degree elbow | W70244 | |
| 32 | MX scrubbing Brushes (*4) | - | R0773600 |
| | Quick Connector, blue | W79033P | |
| - | Leaf Trap (non contractual photos. Photo page 94) | W37110 | |

| Position | Description | Reference |
|---|---|---|
| 1 | Nozzle, Dual Purpose 1 DISC | W9330003 |
| 2 | Nozzle, Wide Sweep 1 $3.25 | W9330001 |
| 3 | End Cap and Valve Assembly | W9330004 |
| 4 | filter Screen 1 $13.46 | W9330006 |
| 5 | Bracket, Wall 1 DISC | W9330002 |
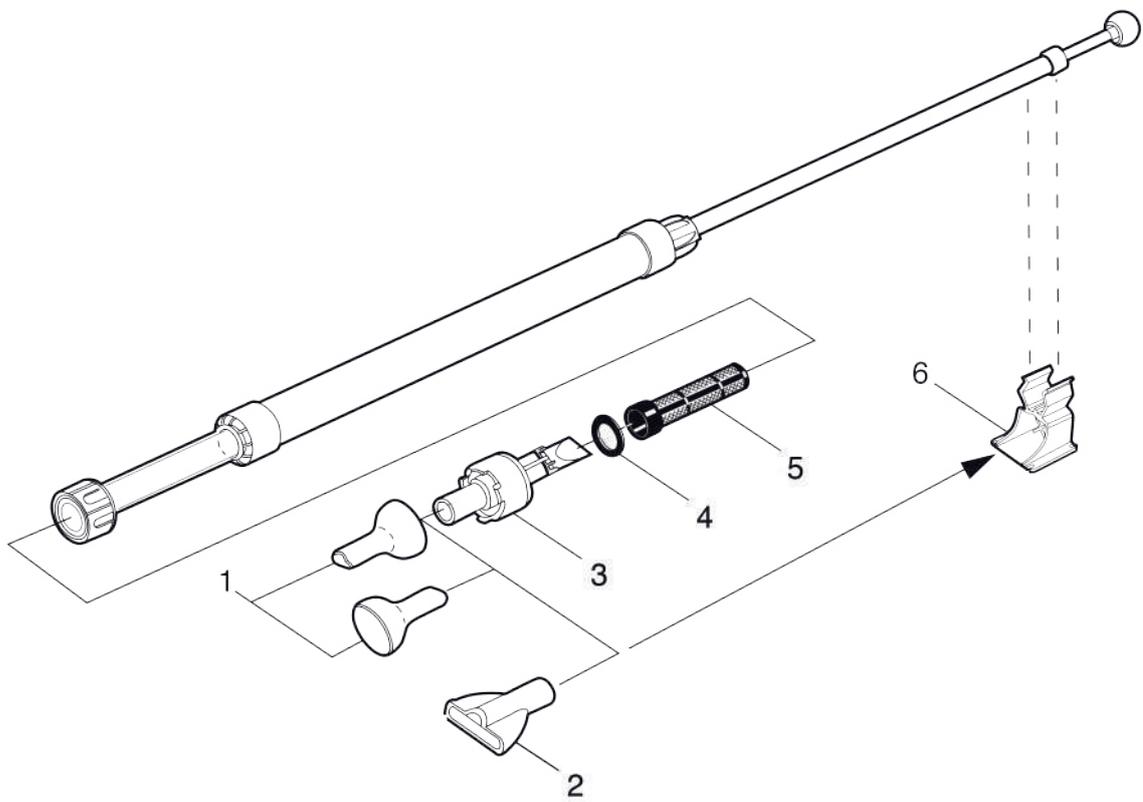
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Pool
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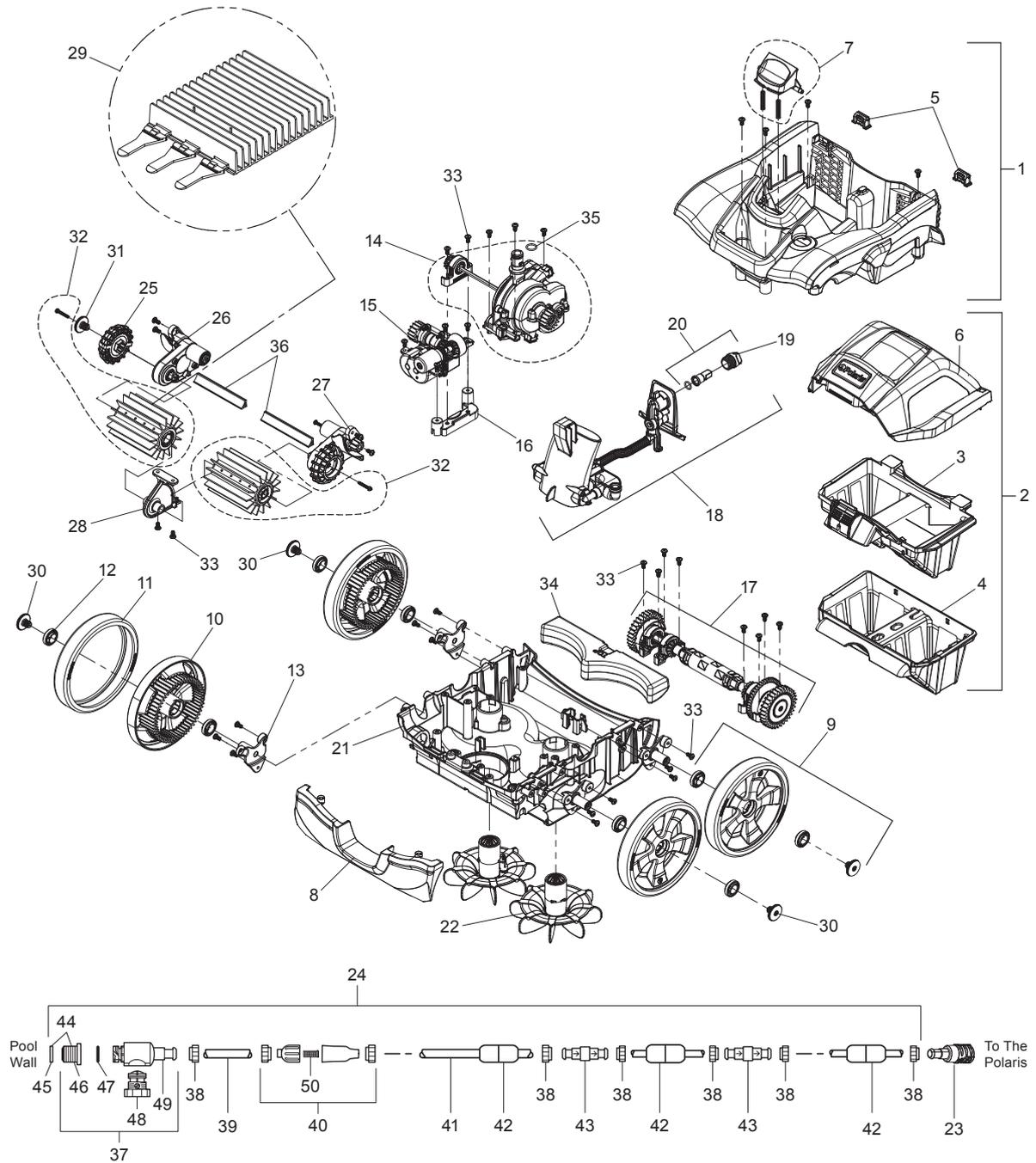
**STANDARD PARTS**

| Position | Description | Reference Zodiac® | Reference Polaris® | Unit / Pack |
|---|---|---|---|---|
| 1 | Main Housing, Blue | R0836100 | R0836100 | 1 |
| 2 | Filter Canister Assembly, Blue | R0836200 | R0836200 | 1 |
| 3 | All-Purpose Filter Canister | R0836300 | R0836300 | 1 |
| 4 | Fine Filter Canister | R0836400 | R0836400 | 1 |
| 5 | Latch, Rear Canister, 2/PK | R0836500 | R0836500 | 2 |
| 6 | Canister Top, Blue | R0836600 | R0836600 | 1 |
| 7 | Latch, Main Housing w/ Springs | R0836700 | R0836700 | 1 |
| 8 | Panel, Front | R0836800 | R0836800 | 1 |
| 9 | Wheel/Tire Assembly | R0836900 | R0836900 | 1 |
| 10 | Wheel | R0837000 | R0837000 | 1 |
| 11 | Tire, Max Trax, Black | W7230255 | W7230255 | 1 |
| 12 | Ball Bearing, Wheels | W7230223 | W7230223 | 1 |
| 13 | Axle | R0837100 | R0837100 | 1 |
| 14 | Engine Assembly w/ O-Ring | R0837200 | R0837200 | 1 |
| 15 | Gearbox Assembly | R0837300 | R0837300 | 1 |
| 16 | Bracket, Gearbox Support | R0837400 | R0837400 | 1 |
| 17 | Drive Shaft Assembly | R0837500 | R0837500 | 1 |
| 18 | Water Management System | R0837600 | R0837600 | 1 |
| 19 | Nut, Thrust Jet | R0837700 | R0837700 | 1 |
| 20 | Thrust Jet Assembly | R0837800 | R0837800 | 1 |
| 21 | Chassis (Warranty Only) | R0837900 | R0837900 | 1 |
| 22 | Cyclonic Turbine Quattro | R0838000 | R0838000 | 1 |
| 23 | Connector, Feed Hose Assembly, Black | R0838100 | R0838100 | 1 |
| 24 | Feed Hose Assy Complete w/ UWF, No Back-Up Valve, No In-Line Filter, Black | W7230333 | W7230333 | 1 |
| 25 | Side Brush, 2/PK | R0838300 | R0838300 | 2 |
| 26 | Side Brush, Gearbox (Right) | R0838400 | R0838400 | 1 |
| 27 | Side Brush, Gearbox (Left) | R0838500 | R0838500 | 1 |
| 28 | Roller Brush Support | R0838600 | R0838600 | 1 |
| 29 | Brush, 2/PK | R0838700 | R0838700 | 2 |
| 30 | Retainer Screw, 2/PK, Silver | R0838800 | R0838800 | 2 |
| 31 | Retainer Screw, 2/PK, Black | R0838801 | R0838801 | 2 |
| 32 | Roller Brush Assembly, 2/PK | R0838900 | R0838900 | 2 |
| 33 | Screw, 10-32 x 3/8" SS Pan Head, 10/PK | W7230220 | W7230220 | 10 |
| 34 | Float, Rear Lower (Internal) | R0841900 | R0841900 | 1 |
| 35 | O-Ring, Feed Hose Connector | R0842000 | R0842000 | 1 |
| 36 | Brush Guard, 2/PK | R0853100 | R0853100 | 2 |
| 37 | UWF Connector Assy, Black | W7230341 | W7230341 | 1 |
| 38 | Nut, Feed Hose, Black | W7230328 | W7230328 | 1 |
| 39 | Adapter Hose, 8 1/2" Lg. Black | R0616100 | R0616100 | 1 |
| 40 | In-Line Filter Assembly, Black 1 1 | W7330316 | W7330316 | 1 |
| 41 | Feed Hose, 10', Black 3 1 | W7230331 | W7230331 | 1 |
| 42 | Float, Feed Hose, Black 10 1 | W7230327 | W7230327 | 1 |
| 43 | Swivel, Ball Bearing, Black 2 1 | W7230329 | W7230329 | 1 |
| 44 | UWF Restrictor Kit 1 KIT | W7330325 | W7330325 | 1 |
| 45 | UWF Restrictor Disks, Red & Blue 2 KIT | W7230325 | W7230325 | 1 |
| 46 | Universal Wall Fitting (UWF®), Black 1 1 | W7230338 | W7230338 | 1 |
| 47 | O-Ring, UWF 1 1 | W7230319 | W7230319 | 1 |
| 48 | Pressure Relief Valve, Black 1 1 | W7230342 | W7230342 | 1 |
| 49 | Quick Disconnect, UWF, Black 1 1 | W7230330 | W7230330 | 1 |
| 50 | Screen, In-Line Filter 1 1 | W7430231 | W7430231 | 1 |

Pressure cleaner
Operates from a vacuum point
with a Polaris® booster pump

▶ TailSweep Pro®
accessories avalaible
p. 49
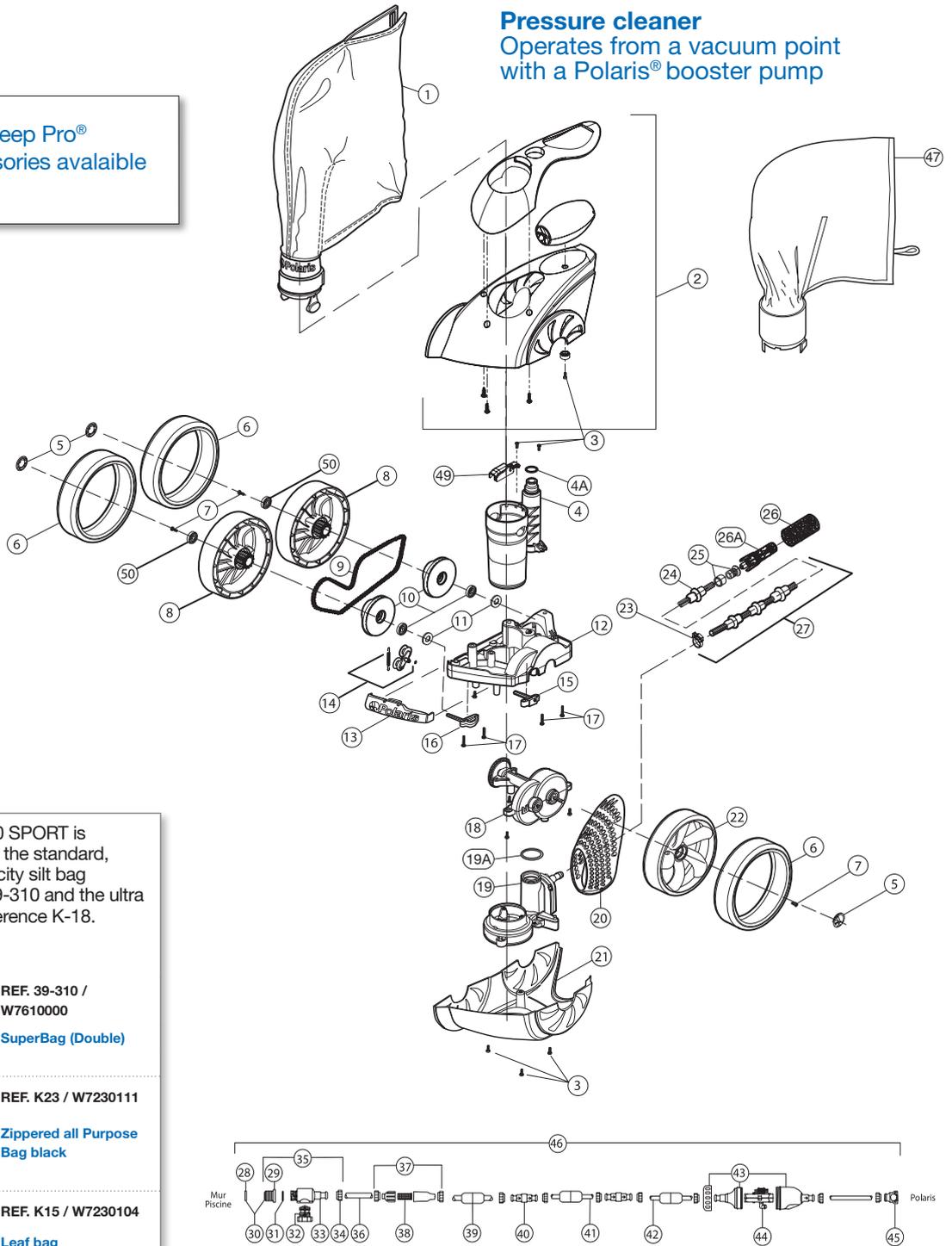
BAGS

Polaris® 3900 SPORT is
shipped with the standard,
double capacity silt bag
Reference 39-310 and the ultra
fine bag Reference K-18.

REF. 39-310 /
W7610000

SuperBag (Double)

REF. K23 / W7230111

Zippered all Purpose
Bag black

REF. K15 / W7230104

Leaf bag

REF. K18 / W7230109

Black sand & silt bag

Mur
Piscine

Polaris

| Position | Description | Reference Zodiac® | Reference Polaris® | Unit / Pack |
|---|---|---|---|---|
| 1 | SuperBag (Double) | W7610000 | 39-310 | 1 |
| 2 | Upper cover kit with handle and float | W7620010 | 39-003 | 1 |
|  | Float | R0538000 | R0538000 | 1 |
| 3 | Screw, 10-32 X 3/8» ss pan Head (X10) | W7230220 | C40 | 10 |
| 4 | Vaccum tube/feedpipe assy with O-ring | W7620025 | 39-006 | 1 |
| 4A | O-ring | W7430230 | 48-141 | 1 |
| 5 | Hubcap (set of 3) | W7640000 | 39-008 | 3 |
| 6 | Wide trax tire®, Black | W7430237 | 48-232 | 1 |
| 7 | wheel Lock screw (set of 3) | W7430218 | 48-036 | 3 |
| 8 | Double-side wheel w/Bearing | W7640040 | 39-410 | 1 |
| 9 | Chain | W7640020 | 39-126 | 1 |
| 10 | Wheel sprocket assy w/Bearing | W7640045 | 39-420 | 1 |
| 11 | Wheel spacer (set of 2) | W7640060 | 39-602 | 2 |
| 12 | Frame | W7640080 | 39-100 | 1 |
| 13 | Bumper | W7640010 | 39-111 | 1 |
| 14 | Chain tensioner kit | W7640015 | 39-120 | 1 |
| 15 | Rear axle Block assy | W7640050 | 39-430 | 1 |
| 16 | Front axle Block assy | W7640055 | 39-440 | 1 |
| 17 | Screw, 10-32 X 7/8» ss pan Head with star washer (set of 2) | W7430221 | 48-045 | 1 |
| 18 | Gearbox assembly | W7640025 | 39-200 | 1 |
| 19 | WMS assembly | W7640030 | 39-300 | 1 |
| 19A | O-ring for WMS assembly | R0544000 | R0544000 | 1 |
| 20 | Rear Housing | W7620020 | 39-005 | 1 |
| 21 | Bottom Housing | W7620015 | 39-004 | 1 |
| 22 | Single-side wheel | W7640035 | 39-401 | 1 |
| 23 | Sweeping pipe collar | W7230253 | B16 | 1 |
| 24 | Sweep Hose wear ring, Blue (set of 8) | W7630000 | 39-021 | 8 |
| 25 | Orifice tip w/ Orifice tip Guard | W7230208 | B25 | 1 |
| 26 | Sweep Hose scrubber | W7230245 | 9-100-3105 | 1 |
| 26A | Box of 12 Tail Sweep Pro® | W7220032 | TSP10P | 1 |
| 26A | Display unit for 18 Tail Sweep Pro® | W7220031 | TSP10S | 1 |
| 27 | Sweep Hose Complete | W7630010 | 39-500 | 1 |
| 28 | Uwf restrictor Disk, red & Blue 2 | W7230325 | 10-112-00 | 1 |
| 29 | Uwf restrictor Kit | W1230317 | 6-500-00 | 1 |
| 30 | Uwf | W7330325 | 10-108-00 | 1 |
| 31 | O-ring, uwf | W7230319 | 6-505-00 | 1 |
| 32 | Pressure Relief Valve | W7230323 | 9-100-9002 | 1 |
| 33 | Quick Disconnect, UWF | W7230304 | D29 | 1 |
| 34 | Nut, feed Hose, Gray | W7230302 | D15 | 1 |
| 35 | Uwf Connector assembly | W7230322 | 9-100-9001 | 1 |
| 37 | In-line filter assembly | W7230316 | 48-080 | 1 |
| 38 | Screen, In-Line filter | W7430231 | 48-222 | 1 |
| 39 | Float, feed Hose, Gray | W7230301 | D10 | 1 |
| 40 | Swivel Ball Bearing, Gray | W7230303 | D20 | 1 |
| 41 | Feed Hose, 10ft., white | W7230305 | D45 | 1 |
| 42 | Leader Hose,10ft., Gray | W7230306 | D50 | 1 |
| 43 | Back-up Valve Kit | W7230308 | G52 | 1 |
| 44 | Mechanism for G52 | W7230309 | G53 | 1 |
| 45 | Feed Hose Connector assembly | W7430229 | 48-140 | 1 |
| 46 | Feed Hose assembly Complete | W7230307 | G5 | 1 |
| 47 | Black sand & silt bag | W7230109 | K18* | 1 |
| 49 | Chain gard | R0537800 | R0537800 | 1 |
| 50 | Ball Bearing | W7330217 | 9-100-1108 | 1 |
|  | Tire, Positrax for fiberglass, black | W7430224 | 48-049 | 1 |
|  | Zippered all Purpose Bag black | W7230111 | K23 | 1 |
|  | Leaf bag | W7230104 | K15 | 1 |
|  | SuperBag (Double) | W7610000 | 39-310 | 1 |
|  | Zippered all Purpose Bag black | W7230111 | K23 | 1 |
|  | Black sand & silt bag | W7230109 | K18 | 1 |

# Polaris® 280

Spare Parts

## BAGS

The Polaris® 280 is supplied with the standard sand/silt bag. Reference K-13.

**REF. K13 / W7230102**
Zippered All-Purpose Bag

**REF. K15 / W7230104**
Leaf bag

**REF. K14 / W7230103**
Sand/Silt Bag
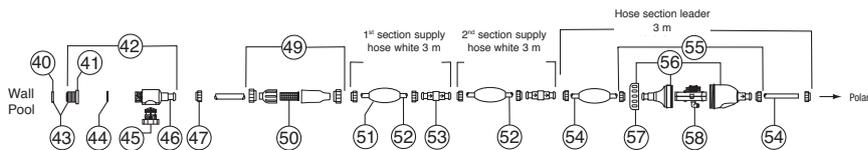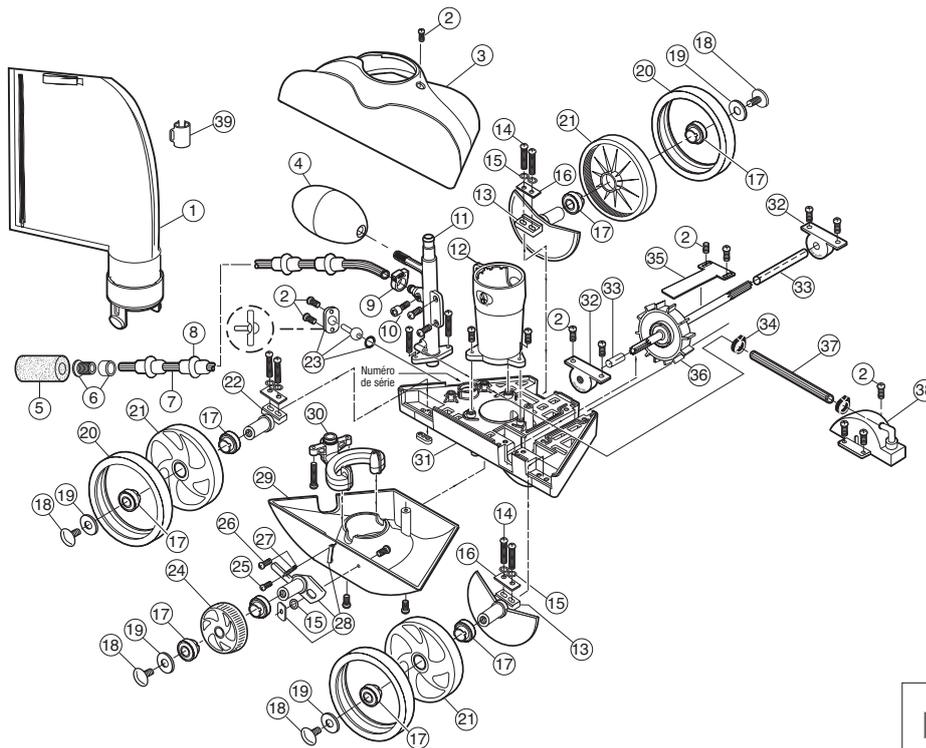
## SPECIAL PARTS

| Description | Reference Zodiac® | Reference Polaris® | Unit / Pack |
|---|---|---|---|
| Weight, Sweep Hose | W7230203 | B2 | 1 |
| Tire, PosiTrax® for fiberglass | W7230211 | C13 | 1 |
| Feed Hose assembly Complete | W7230307 | G5 | 1 |
| Accouplement 1 1/2" x 3/4" | W7230401 | G9 | 1 |
| Ladder Guard, 2 Panels | W7230412 | G21 | 1 |
| Pressure Tester w/o Gauge | W7230403 | G35 | 1 |
| O-ring Kit, Back-up Valve | W7230313 | G58 | 1 |
| Ultra-fine Bag | W7230103 | K14 | 1 |
| Leaf bag | W7230104 | K15 | 1 |
| Feed Hose with Floats | W7230320 | 9-100-3104 | 1 |
| Street Ell | W7230407 | 9-100-9003 | 1 |
| UWF Removal Tool, Plastic | W7230408 | 10-102-00 | 1 |
| Tank Tracks® Kit | W7230212 | C15 | 1 |
| Tank Tracks® | W7230214 | C18 | 1 |

## KITS

Réf A-49/W7230002 Kit « train roulant »

| Position | Reference Zodiac® | Reference Polaris® |
|---|---|---|
| 13 | W7230226 | C66 |
| 17 | W7230223 | C60* |
| 18 | W7230222 | C55* |
| 19 | W7230224 | C64* |
| 20 | W7230210 | C10* |
| 21 | W7230209 | C6* |
| 22 | W7230225 | C65 |
| 24 | W7230213 | C16* |
| 28 | W7230219 | C36 |
| 32 | W7230229 | C80* |
| 33 | W7230230 | C83 |
| 36 | W7230231 | C86 |
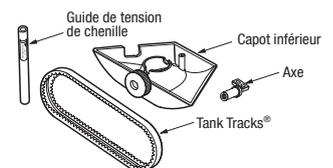


**REF. C15 / W7230212**

Tank Tracks® Kit

**STANDARD PARTS**

| Position | Description | Reference Zodiac® | Reference Polaris® | Unit / Pack |
|---|---|---|---|---|
| 1 | Zippered All-Purpose Bag | W7230102 | K13 | 1 |
| 2 | Screw, 10-32 X 3/8» ss pan Head (X10) | W7230220 | C40 | 10 |
| 3 | Top, Blue | W7230235 | K5 | 1 |
| 4 | Float, Head | W7230201 | A20 | 1 |
| 5 | Sweep Hose scrubber | W7230245 | 9-100-3105 | 1 |
| 6 | Orifice tip w/ Orifice tip Guard | W7230208 | B25 | 1 |
| 7 | Sweep Hose Complete | W7230204 | B5 | 1 |
| 8 | Wear Rings | W7230205 | B10 | 1 |
| 9 | Sweep Hose Attach Clamp | W7230206 | B15 | 1 |
| 10 | Adjustement Screw | W7230207 | B20 | 1 |
| 11 | Feed Pipe with Elbow | W7230243 | K30 | 1 |
| 12 | Vacuum tube | W7230237 | K20 | 1 |
| 13 | Axle, Large, with Sand/Gravel | W7230226 | C66 | 1 |
| 14 | Screw, 10-32 x 7/8» SS Pan Head (X2) | W7230228 | C76 | 2 |
| 15 | Lock Washer for C36 (X5) | W7130223 | C45 | 5 |
| 16 | Axle Plate for C65/C66 | W7230227 | C70 | 1 |
| 17 | Ball Bearing, wheels | W7230223 | C60 | 1 |
| 18 | Wheel Screw, Plastic | W7230222 | C55 | 1 |
| 19 | Wheel Washer, Plastic  (X2) | W7230224 | C64 | 1 |
| 20 | Tire Max Trax | W7230210 | C10 | 1 |
| 21 | Wheel, Large, No Bearings Incl | W7230209 | C6 | 1 |
| 22 | Axle, Large, Rear Wheel Only | W7230225 | C65 | 1 |
| 23 | Thrust Jet Kit | W7230234 | C131 | 1 |
| 24 | Idler Wheel, Small, | W7230213 | C16 | 1 |
| 25 | Screw, 4-40 x 3/16» SS Pan Head (X5) | W7230217 | C30 | 5 |
| 26 | Screw, 6-32 x 1/2» SS Pan Head (X5) | W7230218 | C32 | 5 |
| 27 | Spring for C36 (X2) | W7230216 | C25 | 1 |
| 28 | Swing Axle Kit | W7230219 | C36 | 1 |
| 29 | Bottom, white with Bracket (280) | W7230236 | K10 | 1 |
| 30 | Water Management System (280) | W7230238 | K25 | 1 |
| 31 | ASSEMBLY (EXCHANGE ONLY) 280 | W7230247 | K145 | 1 |
| 32 | Ball Bearings, Turbine (280/18 | W7230229 | C80 | 1 |
| 33 | Turbine Shaft tubes (280/180) | W7230230 | C83 | 1 |
| 34 | Hose Clamp for Water Management System (X6) | W7230246 | 9-100-7170 | 6 |
| 35 | Turbine Shaft Shield | W7230202 | A40 | 1 |
| 36 | Drive Shaft Assembly | W7230231 | C86 | 1 |
| 37 | Hose for C110, 7-1/2» | W7230233 | C120 | 1 |
| 38 | Couvercle de turbine avec coude 90° | W7230232 | C110 | 1 |
| 39 | Bag Collar | W7230107 | 9-100-1018 | 1 |
| 40 | Uwf restrictor Disk, red & Blue 2 | W7230325 | 10-112-00 | 1 |
| 41 | Uwf restrictor Kit | W1230317 | 6-500-00 | 1 |
| 42 | Uwf Connector assembly | W7230322 | 9-100-9001 | 1 |
| 43 | Uwf | W7330325 | 10-108-00 | 1 |
| 44 | O-ring, uwf | W7230319 | 6-505-00 | 1 |
| 45 | Pressure Relief Valve | W7230323 | 9-100-9002 | 1 |
| 46 | Quick Disconnect, UWF | W7230304 | D29 | 1 |
| 47 | Nut, feed Hose, Gray | W7230302 | D15 | 1 |
| 49 | In-line filter assembly | W7230316 | 48-080 | 1 |
| 50 | Screen, In-Line filter | W7430231 | 48-222 | 1 |
| 51 | Float, feed Hose, Gray | W7230301 | D10 | 1 |
| 52 | Feed Hose, 10ft., white | W7230305 | D45 | 1 |
| 53 | Swivel Ball Bearing, Gray | W7230303 | D20 | 1 |
| 54 | Leader Hose,10ft., Gray | W7230306 | D50 | 1 |
| 55 | Back-up Valve Kit | W7230308 | G52 | 1 |
| 56 | Case Kit for G52 | W7230310 | G54 | 1 |
| 57 | Collar, Back-up Valve | W7230312 | G57 | 1 |
| 58 | Mechanism for G52 | W7230309 | G53 | 1 |

# Polaris® 380

Spare Parts



▶ TailSweep Pro® accessories
avalaible p. 49
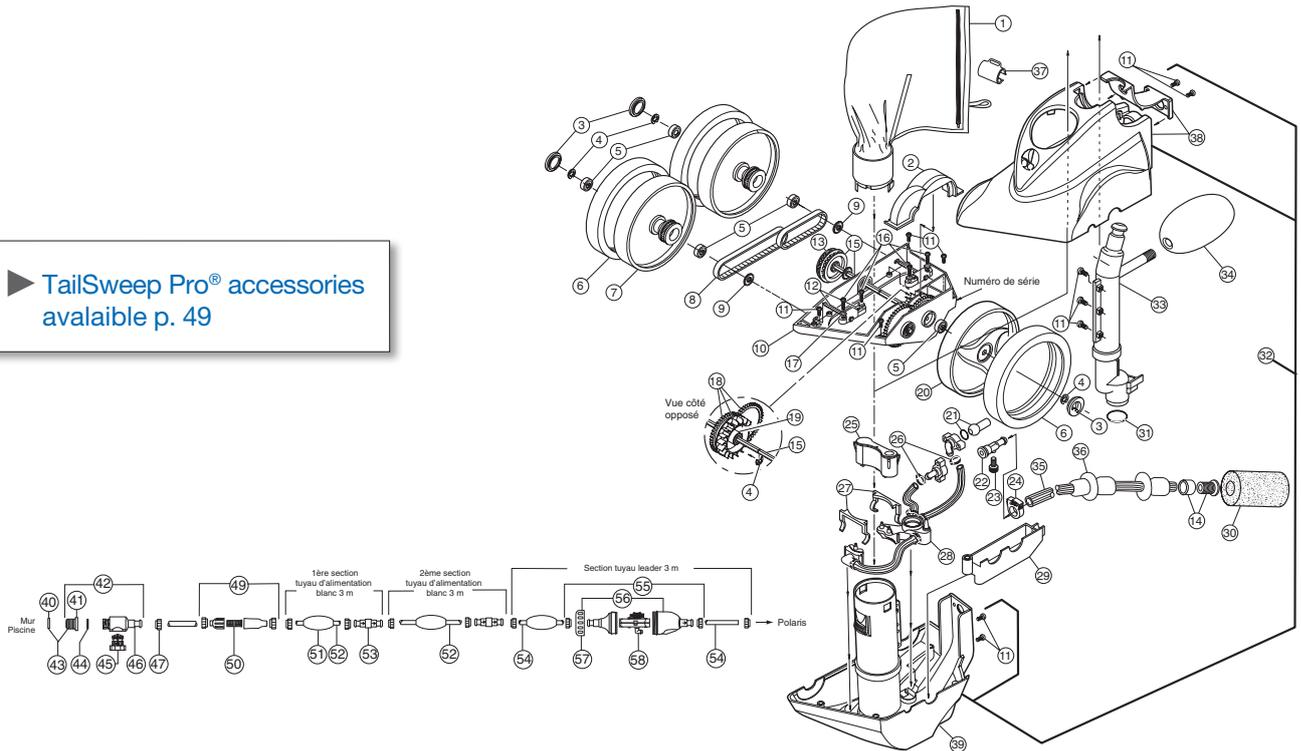
**SPECIAL PARTS**

| Position | Description | Reference Zodiac® | Reference Polaris® | Unit / Pack |
|---|---|---|---|---|
| 47 | Nut, feed Hose, Gray | W7230302 | D15 | 1 |
| 49 | In-line filter assembly | W7230316 | 48-080 | 1 |
| 50 | Screen, In-Line filter | W7430231 | 48-222 | 1 |
| 51 | Float, feed Hose, Gray | W7230301 | D10 | 1 |
| 52 | Feed Hose, 10ft., white | W7230305 | D45 | 1 |
| 53 | Swivel Ball Bearing, Gray | W7230303 | D20 | 1 |
| 54 | Leader Hose,10ft., Gray | W7230306 | D50 | 1 |
| 55 | Back-up Valve Kit | W7230308 | G52 | 1 |
| 56 | Case Kit for G52 | W7230310 | G54 | 1 |
| 57 | Collar, Back-up Valve | W7230312 | G57 | 1 |
| 58 | Mechanism for G52 | W7230309 | G53 | 1 |
|  | Weight, Sweep Hose | W7230203 | B2 | 1 |
|  | Tire, PosiTrax® for fiberglass | W7230211 | C13 | 1 |
|  | Screw, 10-32 X 3/8» ss pan Head (X10) | W7230220 | C40 | 10 |
|  | Feed Hose assembly Complete | W7230307 | G5 | 1 |
|  | Accouplement 1 1/2" x 3/4" | W7230401 | G9 | 1 |
|  | Ladder Guard, 2 Panels | W7230412 | G21 | 1 |
|  | Pressure Tester w/o Gauge | W7230403 | G35 | 1 |
|  | O-ring Kit, Back-up Valve | W7230313 | G58 | 1 |
|  | Leaf Bag | W7330101 | 9-100-1012 | 1 |
|  | Sand/Silt Bag | W7330103 | 9-100-1015 | 1 |
|  | Feed Hose with Floats | W7230320 | 9-100-3104 | 1 |
|  | Street Ell | W7230407 | 9-100-9003 | 1 |
|  | Polaris Vac-Sweep® 380/360 Factory Tune Up Kit | W7330001 | 9-100-9010 | 1 |
|  | Back up valve convertion Kit | W7330241 | 9-100-9040 | 1 |
|  | UWF Removal Tool, Plastic | W7230408 | 10-102-00 | 1 |

**STANDARD PARTS**

| Position | Description | Reference Zodiac® | Reference Polaris® | Unit / Pack |
|----------|-------------|-------------------|--------------------|-------------|
| 1 | Zippered All-Purpose Bag | W7330105 | 9-100-1021 | 1 |
| 2 | Housing, Turbine Upper | W7330222 | 9-100-1152 | 1 |
| 3 | Hub Cap (X3) | W7330218 | 9-100-1114 | 1 |
| 4 | E-clip, Stainless Steel (X5) | W7330226 | 9-100-5107 | 5 |
| 5 | Ball Bearing | W7330217 | 9-100-1108 | 1 |
| 6 | Tire Max Trax | W7230210 | C10 | 1 |
| 7 | Wheel, Double-side | W7330213 | 9-100-1008 | 1 |
| 8 | Belt Kit, Small and Large | W7330215 | 9-100-1017 | 1 |
| 9 | Shield, Bearing | W7330236 | 9-100-7011 | 1 |
| 10 | ASSEMBLY | W7330244 | 9-100-1005 | 1 |
| 11 | Screw, 8-32 x 1/2» SS Pan Head | W7330229 | 9-100-5125 | 5 |
| 12 | Axle Block Kit (Front and Rear) | W7330221 | 9-100-1139 | 1 |
| 13 | Belt Divider, Transfer Pulley | W7330214 | 9-100-1010 | 1 |
| 14 | Orifice tip w/ Orifice tip Guard | W7230208 | B25 | 1 |
| 15 | Transfer Pulley/Drive Shaft Assembly | W7330212 | 9-100-1007 | 1 |
| 16 | Screw, 8-32 x 3/4» SS Pan Head (X5) | W7330228 | 9-100-5115 | 5 |
| 17 | Lock Washer, Axle Block (X4) | W7330230 | 9-100-5130 | 4 |
| 18 | Drive Train Gear Kit with Turbine Bearing | W7330220 | 9-100-1132 | 1 |
| 19 | Turbine Wheel with Bearing | W7330216 | 9-100-1103 | 1 |
| 20 | Wheel, Single-side | W7330219 | 9-100-1116 | 1 |
| 21 | Thrust Jet Kit | W7230234 | C131 | 1 |
| 22 | Sweep Hose Barb Complete | W7330233 | 9-100-7008 | 1 |
| 23 | Adjustement Screw | W7230207 | B20 | 1 |
| 24 | Sweep Hose Attach Clamp | W7230206 | B15 | 1 |
| 25 | Base Weight | W7330240 | 9-100-9004 | 1 |
| 26 | Hose Clamp for Water Management System (X6) | W7230246 | 9-100-7170 | 6 |
| 27 | Jet Retainer (X2) | W7330234 | 9-100-7009 | 2 |
| 28 | Water Management System | W7330235 | 9-100-7010 | 1 |
| 30 | Sweep Hose scrubber | W7230245 | 9-100-3105 | 1 |
| 31 | O-ring, In-head Timer/Feed Pipe Assembly | W7330231 | 9-100-5132 | 1 |
| 32 | Top and Base Assembly | W7330238 | 9-100-7030 | 1 |
| 33 | Feed Pipe/Timer Blank Assembly | W7330232 | 9-100-7003 | 1 |
| 34 | Float, Head | W7230201 | A20 | 1 |
| 35 | Sweep Hose Complete | W7230204 | B5 | 1 |
| 36 | Wear Rings | W7230205 | B10 | 1 |
| 37 | Bag Collar | W7230107 | 9-100-1018 | 1 |
| 38 | Top Housing | W7330224 | 9-100-1240 | 1 |
| 39 | Base Assembly | W7330237 | 9-100-7026 | 1 |
| 40 | Uwf restrictor Disk, red & Blue 2 | W7230325 | 10-112-00 | 1 |
| 41 | Uwf restrictor Kit | W1230317 | 6-500-00 | 1 |
| 42 | Uwf Connector assembly | W7230322 | 9-100-9001 | 1 |
| 43 | Uwf | W7330325 | 10-108-00 | 1 |
| 44 | O-ring, uwf | W7230319 | 6-505-00 | 1 |
| 45 | Pressure Relief Valve | W7230323 | 9-100-9002 | 1 |
| 46 | Quick Disconnect, UWF | W7230304 | D29 | 1 |

# Booster Pump

Spare Parts



"Quick Connect"
Kit supplied
with BPK.
W453024K

Pipe Kit
+ 4 fittings
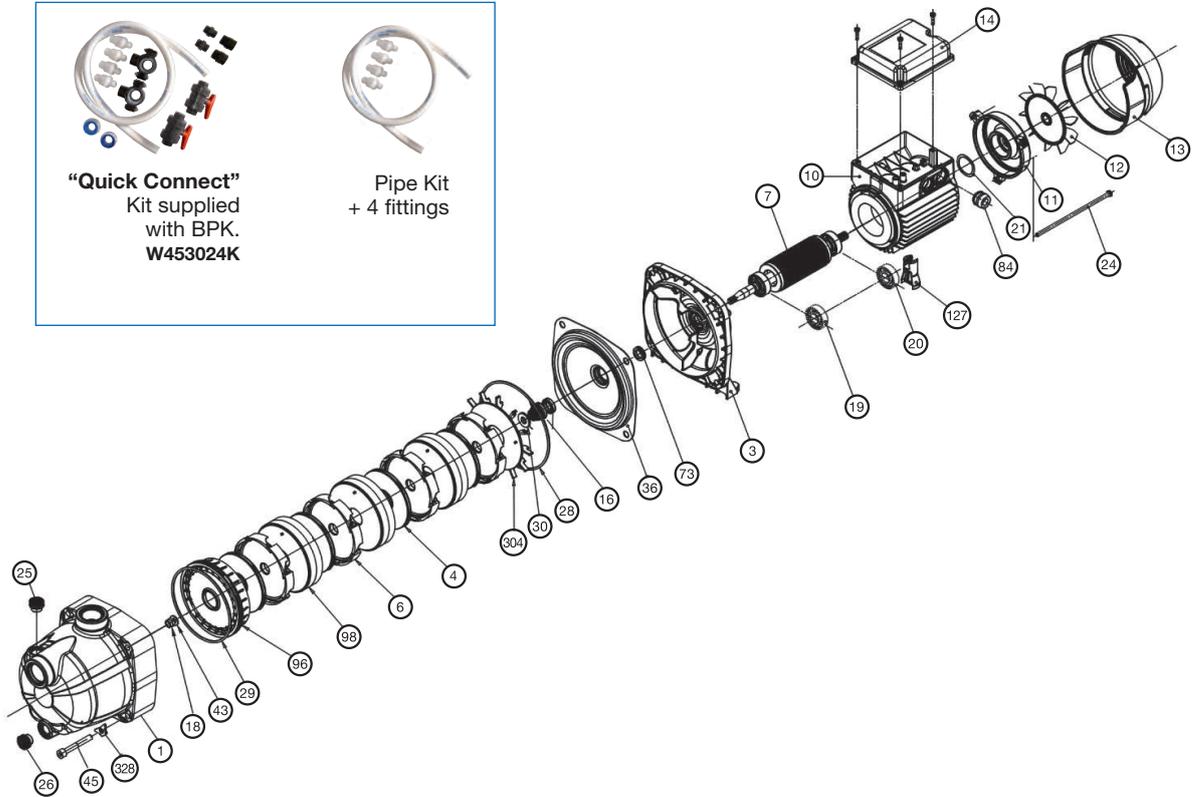
| Position | Description | Reference Zodiac® | Reference Polaris® |
|---|---|---|---|
| 1 | body of the Pump | W4530217 | 148120620 |
| 3 | Closing Pump | W4530224 | 161430090 |
| 4 | Turbine | W4530219 | 150761091 |
| 6 | Diffuser | W4530226 | 162860480 |
| 7 | Rotor | W4530212 | 145002750 |
| 11 | Motor Lid | W4530227 | 164030020 |
| 12 | Ventilator | W4530220 | 160760240 |
| 13 | Back Protection | W4530229 | 164260100 |
| 14 | cover Electrical Terminals | W4530228 | 164060410 |
| 16 | Complete Mechanical Cup and Spring | W4530218 | 148620500 |
| 18 | O'Ring, Blockade | W4530205 | 2520633 |
| 19 | Bearing Shaft | W4530203 | 2310003 |
| 20 | Bearing Motor Shaft | W4530202 | 2310002 |
| 21 | Metallic Disc | W4530207 | 2570001 |
|  | Condenser | W4530208 | 2710005 |
| 25 | Starting Plug | W4530214 | 147120340 |
| 26 | Starting Plug | W4530214 | 147120340 |
| 28 | O'Ring | W4530201 | 2220377 |
| 29 | O'Ring, body of the pump | W4530215 | 2220365 |
| 30 | Wedge | W4530231 | 168300150 |
| 36 | Watertightness cover | W4530221 | 161000330 |
| 43 | O'Ring, Metal Disc Blockade | W4530206 | 2523059 |
| 45 | Screw, body of the pump | W4530204 | 2420712 |
| 73 | O'Ring | W4530255 | 2210558 |
| 84 | Mechanical Seal | W4530233 | 168560310 |
| 96 | Forward Suction body | W4530211 | 142860140 |
| 98 | Diffuser's body | W4530223 | 161360480 |
| 127 | Pump Stand with Feet | W4530225 | 161560190 |
| 304 | Back Deflector | W4530222 | 161060560 |
|  | Electrical Terminals | W4530213 | 146860000 |
|  | Condenser's Slip | W4530234 | 168560330 |
| 328 | Metallic Disc, body of the pump | W4530232 | 168300170 |
|  | Pipe Kit + 4 fittings | R0617100 | R0617100 |

| Position | Description | Reference Z200 | Reference PI20 - Power |
|---|---|---|---|
| **Electrical spare parts** | | | |
| 34 | PCB Board non Easy Connect R410A version | R08105 | |
| | PCB Board Easy Connect R410A version | R08109 | WWA01069 |
| | PCB Board R32 version | R08569 | R08569 |
| | PCB Board R32 defrost version | R08767 | |
| 35 | User Interface and lexan non Easy Connect version | R07238 | R07237 |
| | User Interface and lexan non Easy Connect version | | R07239 |
| 36 | Link cable (PCB - User interface) | WWA01043 | |
| 38 | Water Temperature sensor | WWA01045 | |
| 39 | Air Temperature sensor | WWA01046 | |
| 40 | Defrost Temperature sensor | WWA01047 | |
| 37 | Water flow switch | V0088000A | |
| 9 | Motor fan 5, 7 and 9 KW | WWA01009 | |
| | Motor fan 11 KW | WWA01066 | |
| 41 | Compressor Capacitor Mitsubishi 5 KW 30µF | WWA01048 | |
| | Compressor Capacitor Toshiba 5 KW 35µF | B0049500A | |
| | Compressor Capacitor Mitsubishi 7 KW 40µF | WWA01049 | |
| | Compressor Capacitor Toshiba 7 KW 45µF | B0049700A | |
| | Compressor Capacitor Toshiba 9 KW 50µF | WWA01050 | |
| | Compressor Capacitor Panasonic 9 KW 60µF | B0049900A | |
| | Compressor Capacitor 11 KW 55µF | WWA01068 | |
| 42 | Fan Capacitor 5, 7 and 9 KW 2µF | WWA01051 | |
| | Fan Capacitor 11 KW 4µF | WWA01071 | |
| 44 | Electrical plate complete (without Capacitor) | WWA01052 | |
| | Electrical plate complete new capacitor (since 2014) | B0048800A | |
| 43 | Electric cable | WWA01055 | |
| 51 | Heating priority relay | B0049400A | |
| 52 | Board for remote control | B0049100A | |
| 46 | 230/10,5V transformer | R06707 | |
| - | Electric terminal strip + protection | WWA01097 | |
| | Easy connect wires kit | R06916 | |
| **Refrigerating spare parts** | | | |
| 11 | Compressor Mitsubishi 5 KW R410A | WWA01011 | |
| | Compressor Toshiba 5 KW R410A | V0088800A | |
| | Compressor 5 kW R32 | R0850300 | |
| | Compressor Mitsubishi 7 KW R410A | WWA01012 | |
| | Compressor Toshiba 7 KW R410A | V0089200A | |
| | Compressor 7 kW R32 | R0850900 | |
| | Compressor Toshiba 9 KW R410A | WWA01013 | |
| | Compressor Panasonic 9 KW R410A | V0089700A | |
| | Compressor 9 kW R32 | R0851000 | |
| | Compressor Toshiba 11 KW R410A | WWA01067 | |
| | Compressor 11 kW R32 | R0851100 | |
| 20 | Evaporator 5 KW | WWA01023 | |
| | Evaporator 7 KW | WWA01024 | |
| | Evaporator 9 and 11 KW | WWA01025 | |

*All electric parts on single phased Heat Pumps are sold without condensers.
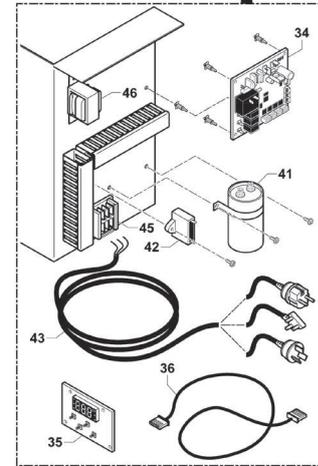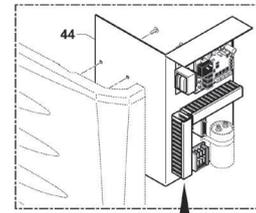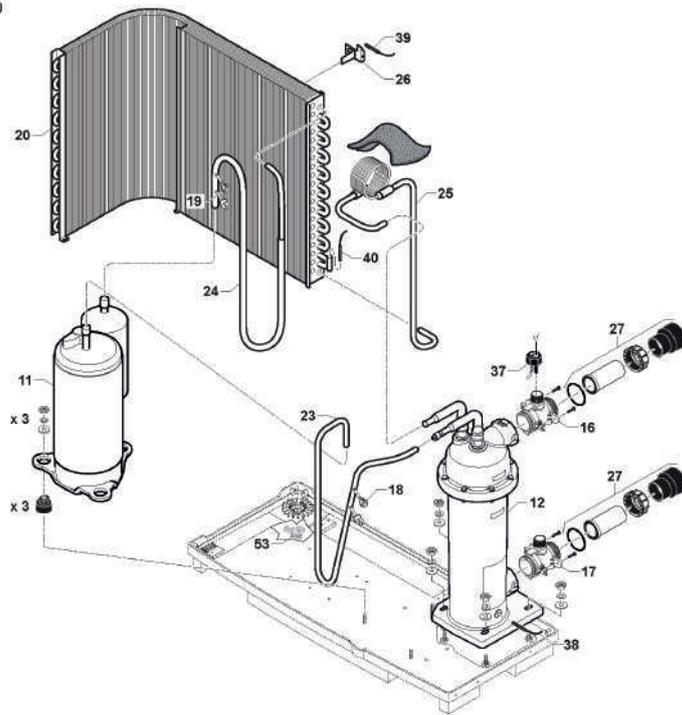
| Position | Description | Reference Z200 | Reference PI20 - Power |
|---|---|---|---|
| 12 | Condenser 5 KW (before 2014) | WWA01072 | |
| | Condenser 5 KW | V0089800A | |
| | Condenser 7 KW | V0089900A | |
| | Condenser 9 KW (before 2014) | WWA01074 | |
| | Condenser 9 KW | V0090000A | |
| | Condenser 11 KW (before 2014) | WWA01075 | |
| | Condenser 11 KW | V0090100A | |
| | Condenser tank | R08015 | |
| 18 | Pressure switch HP (to be welded) | WWA01021 | |
| 19 | Pressure switch LP (to be welded) | WWA01022 | |
| - | 4 way valve Z200 defrost MD2 MD3 PI2021D PI2031D R32 | R08768 | |
| | 4 way valve Z200 defrost MD4 MD5 PI2041D PI2051D R32 | R08769 | |
| | 4 way valve coil Z200 defrost PI20D R32 | R08770 | |
| | ONE WAY VALVE Z200D PI20D DEFROST R32 | R08771 | |
| **Others** | | | |
| - | Compressor acoustic cover Toshiba 9 and 11kW R410A | WWA01080 | |
| | Compressor acoustic cover Toshiba 5 KW R410A | T0041700A | |
| | Compressor acoustic cover Toshiba 7 KW R410A | T0041800A | |
| | Compressor acoustic cover Panasonic 9 KW R410A | T0041600A | |
| | Compressor acoustic cover 5 KW R32 | R0855300 | |
| | Compressor acoustic cover 7 KW R32 | R0855400 | |
| | Compressor acoustic cover 9 KW R32 | R0855500 | |
| | Compressor acoustic cover 11 KW R32 | R0855600 | |
| 30 | Lexan | H0442000B | |
| | Protective cap | R08070 | |
| 27 | PC union | WWA01083 | |
| 16 | Condenser outlet water connection with tapping | WWA01019 | |
| | Condenser outlet water connection with tapping (since 2014) | A0260300A | |
| 17 | Condenser inlet water connection | WWA01020 | |
| | Condenser inlet water connection (since 2014) | A0260200A | |
| 26 | Temperature sensor bracket | WWA01037 | |
| 10 | Fan | WWA01010 | |
| 29 | Sticker | H0442100A | WWA01039 |
| 53 | Condensate water device | A0260100A | |
| **Casing** | | | |
| 1 | Base | WWA01001 | |
| 2 | Cover | A0259500A | WWA01002 |
| 3 | Front panel | A0259600A | WWA01003 |
| 4 | Technical Door | A0259700A | WWA01004 |
| 5 | Rear panel | A0259800A | WWA01005 |
| 6 | Angle | A0259900A | WWA01006 |
| 7 | Grid | A0260000A | WWA01087 |
| 8 | Fan Support | WWA01008 | |
| 22 | Evaporator protection | WWA01027 | |
| - | Wintering cap | WPC02908 | |
| **Accessories** | | | |
| - | Winter cover | R07094 | |
| | Cleaning Kit HP | WMA03491 | |
| | Remote control | WH000200 | WH000200 |
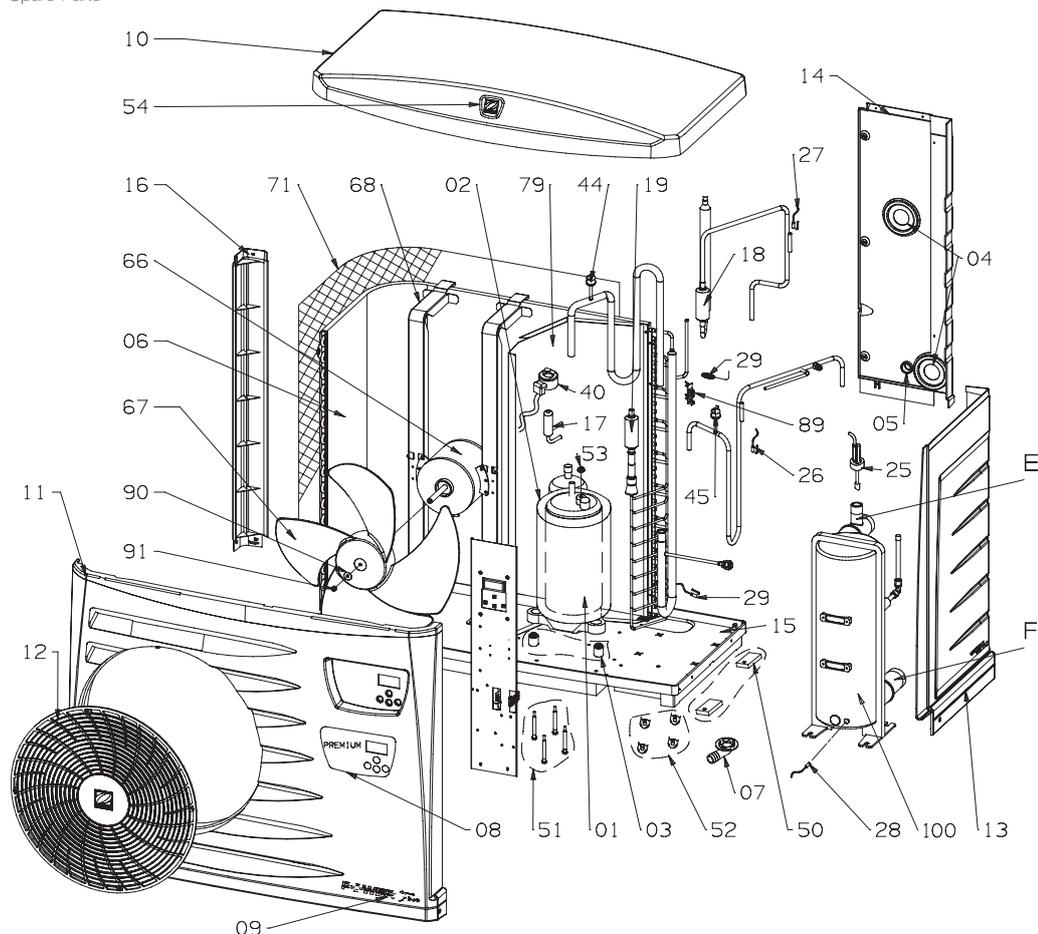
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| Position | Description | Reference Z300 | Reference PM30 | Reference PF Premium |
|---|---|---|---|---|
| | **Electrical spare parts** | | | |
| 25 | Flow rate switch | WTC03943 | | |
| 26 | Temperature sensor ST5 | R06740 | | |
| 27 | Temperature sensor ST4 | | | |
| 28 | Temperature sensor ST1 | | | |
| 29 | Temperature sensor ST2/ST3 | | | |
| 30 | Set Electrical PFPREM 6 | WTC03929 | | |
| | Set Electrical PFPREM 8, PM3041 and Z300 M4 | WTC03930 | | |
| | Set Electrical PFPREM 11M, PM3051 and Z300 M5 | WTC03931 | | |
| | Set  Electrical PFPREM 11T, PM3053 and Z300 T5 | WTC03932 | | |
| | Set Electrical PFPREM 13M, PM3061 and Z300 M7 | WTC03992 | | |
| 31 | Capacitor 5 µF for fan | WTC03936 | | |
| 33 | Contactor 25 A, 230 V 50/60 Hz PFPREM 11 M, 13 M | WCF01113 | | |
| | Contactor 18 A, PM/PREM 6,8,11T,11TD,15TD | WTC03937 | | |
| 34 | Varistor (S20K275) | WTC03988 | | |
| 35 | Alu Capacitor 45µF PFPREM 6 | B0181600A | | |
| | Alu Capacitor 50µF PFPREM 8, PM3041 and Z300 M4 | B0181100A | | |
| | Alu Capacitor 55µF PFPREM 11, PM3051/53 and Z300 M5 | B0181700A | | |
| | Alu Capacitor 60µF PFPREM 13M, PM3061 and Z300 M7 | B0181800A | | |
| 38 | Phase controller (PREM 3 phase) | WTC03940 | | |
| 40 | Expansion valve Coil SAG UKV A053 for PREM | WTC03941 | | |
| 46 | Main card A1 + expansion valve card A4 set | R07151 | | |
| | Main card A1 | WTC03944 | | |
| | Expansion valve card A4 | R06931 | | |
| 47 | Display card A2 | WTC03939D | | |
| 66 | Ventilator motor | WTC03783 | | |
| | Filter 25A C3 | WTC04000 | | |

*All electric parts on single phased Heat Pumps are sold without condensers.

Z 300 M4, M5, T5
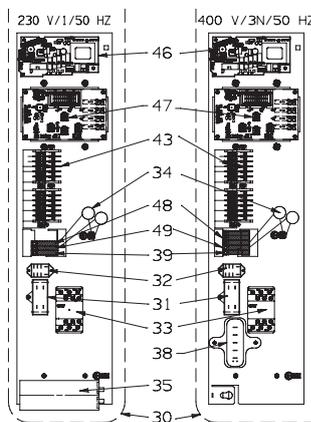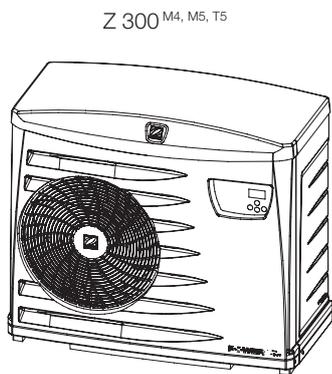


| Position | Description | Reference Z300 | Reference PM30 | Reference PF Premium |
|---|---|---|---|---|
| **Refrigerating spare parts** | | | | |
| 1 | Compressor PFPREM 6 | | WTC03920 | |
| | Compressor PFPREM 8, PM3041 and Z300 M4 | | WTC03921 | |
| | Compressor PFPREM 8, PM3041 and Z300 M4 | | WTC03922 | |
| | Compressor PFPREM 11TD, PM3056 and Z300 T5 | | WTC03923 | |
| | Compressor PFPREM 13M, PM3061 and Z300 M7 | | WTC03987 | |
| - | Compressor suction tube PFPREM 11/13, PM3051/53/61 and Z300 M5/T5/M7 | | WDE01080 | |
| 6 | Evaporator PFPREM 6, 8, PM3041 and Z300 M4 | | WTC03985 | |
| | Evaporator PFPREM 11/13, PM3051/53/61 and Z300 M5/T5/M7 | | WTC03986 | |
| 17 | Expansion valve UKV MD4 for PFPREM 6/8, PM3041 and Z300 M4 | | WTC03927 | |
| | Expansion valve UKV for PFPREM 11, PM3051/53 and Z300 M5/T5 | | WTC03928 | |
| | Expansion valve UKV 30D33 for PFPREM 15 MD/TD, PM3072/76 and Z300 MD8/TD8 | | WTC03994 | |
| 44 | LP Bar pressure switch | | WTC03815 | |
| 45 | HP Bar pressure switch | | WTC03816 | |
| 100 | Condenser 6KW PFPREM 6 | | R06960 | |
| | Condenser 7,5KW PFPREM 8, PM3041 and Z300 M4 | | R06961 | |
| | Condenser 9,5KW PFPREM 11, PM3051/53 and Z300 M5/T5 | | R06963 | |
| | Condenser 13kW PFPREM 13M, PM3061 and Z300 M7 | | R06954 | |
| **Casing** | | | | |
| 10 | Cover | A0260500A | WPV01001 | |
| 11 | Front panel | A0260400A | WPV01003 | |
| 12 | Grate | A0260900A | WPV01006 | |
| 13 | Technical door | A0260700A | WPV01007 | |
| 14 | Rear panel | A0260800A | WPV01004 | |
| 15 | Base | | WPV01002 | |
| 16 | Upright | A0260600A | WPV01005 | |
| **Others** | | | | |
| 2 | Compressor insulation PFPREM 6, 8, PM3041 and Z300 M4 | | WTC03925 | |
| | Compressor insulation PFPREM 11/13, PM3051/53/61 and Z300 M5/T5/M7 | | WTC03926 | |
| 7 | Condensate drain | | WTC02971 | |
| 8 | Lexan | H0445800A | H0512300A | WTC03942 |
| 67 | Ventilator fan | | WTC03784 | |
| 68 | Fan motor bracket | | WTC03895 | |
| - | Condenser support bracket set | | R06415 | |
| 71 | Protective grate 1045 x 765 | | WTC03896 | |
| E | Condenser outlet connector with tapping+gasket (before 2016) | | R0611001 | |
| - | Condenser outlet connector 3 fixations with tapping+gasket | | A0358000A | |
| F | Condenser inlet connector with tapping+gasket (before 2016) | | R0611301 | |
| - | Condenser inlet connector 3 fixations without tapping+gasket | | A0357800A | |
| | Set of 2 half-union connectors + gaskets 40/49 | | W20RDU | |
| 50 | Anti vibration pegs (to order by 4) | | WAP03064 | |
| **Accessories** | | | | |
| | Condensate tray + elbow | | R07242 | |
| | Remote control module | | WTC04004 | |
| | Local facility kit | | W20KITPFPREMLT | |
| | Winter cover | | R07095 | |
| | Cleaning Kit NET | | WMA03491 | |

Spare Parts
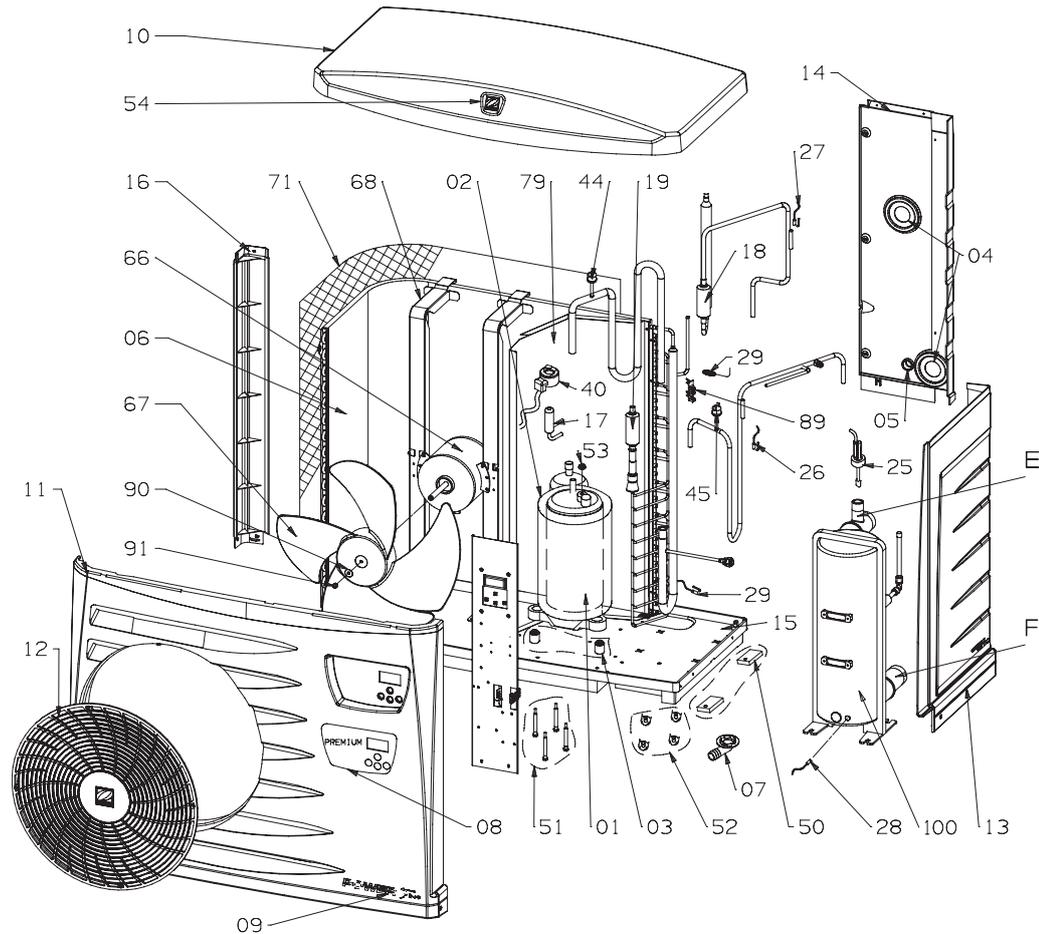


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| Repère | Désignation | Z300 | PM30 | PF PREMIUM |
|--------|-------------|------|------|------------|
| | **Pièces détachées électriques** | | | |
| 25 | Flow rate switch | WTC03943 | | |
| 26 | Temperature sensor ST5 | R06740 | | |
| 27 | Temperature sensor ST4 | | | |
| 28 | Temperature sensor ST1 | | | |
| 29 | Temperature sensor ST2/ST3 | | | |
| 30 | Set Electrical PFPREM11/15 TD, PM3056/76 and Z300 TD5/8 | WTC03934 | | |
| | Set electrical  PFPREM 11 MD, PM3052 and Z300 MD5 | WTC03933 | | |
| | Set electrical  PFPREM 15 MD, PM3072 and Z300 MD8 | R07319 | | |
| 31 | Capacitor 5 µF for fan | WTC03936 | | |
| 33 | Contactor 25 A, 230 V, 50/60 Hz PFPREM 11 MD, PM3052 and Z300 MD5 | WCF01113 | | |
| | Contactor 18 A, PM/PFPREM11/15 TD, PM3056/76 and Z300 TD5/8 | WTC03937 | | |
| | Switch Kit PM3072, Z300 MD8 | R07473 | | |
| 34 | Varistor (S20K275) | WTC03988 | | |
| 35 | Capacitor alu 55µF PFPREM 11MD, PM3052 and Z300 MD5 | B0181700A | | |
| | Capacitor alu 60 µF PFPREM 15MD, PM3072 and Z300 MD8 | B0181800A | | |
| 38 | Phase controller (PREM 3 PHASE) | WTC03940 | | |
| 40 | Expansion valve Coil SAG UKV A053 | WTC03941 | | |
| 41 | 4-way coil | WTC03836 | | |
| 42 | Condenser antifrost resistance 55W L500 | WTC03991 | | |
| 44 | LP Bar pressure switch | WTC03815 | | |
| 45 | HP Bar pressure switch | WTC03816 | | |
| 46 | Main card A1 + expansion valve card A4 set | R07151 | | |
| | Main card A1 | WTC03944 | | |
| | Expansion valve card A4 | R06931 | | |
| 47 | Display card A2 | WTC03939D | | |

# Reversible Version



Z 300 M4, M5, T5
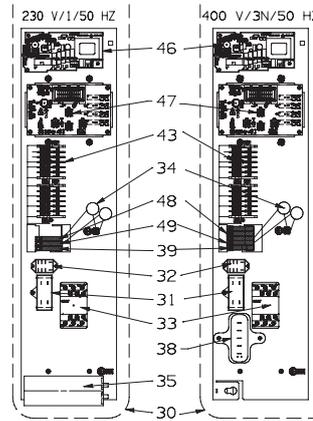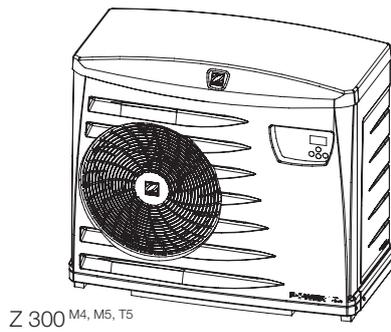


| Repère | Désignation | Z300 | PM30 | PF PREMIUM |
|---|---|---|---|---|
| 66 | Ventilator motor | | WTC03783 | |
| | Starter booster | | R07445 | |
| | Filter 25A C3 | | WTC04000 | |
| **Pièces détachées frigorifiques** | | | | |
| 100 | Condenser 9,5KW PFPREM 11 MD/TD, PM3052/56 and Z300 MD5/TD5 | | R06963 | |
| | Condenser 25KW PFPREM 15 MD/TD, PM3072/76 and Z300 MD8/TD8 | | R06957 | |
| 1 | Compressor PFPREM 11MD, PM3052 and Z300 MD5 | | WTC03922 | |
| | Compressor PFPREM 11TD, PM3056 and Z300 TD5 | | WTC03923 | |
| | Compressor PFPREM 15MD, PM3072 and Z300 MD8 | WTC03904 | | WTC03924 |
| | Compressor C-SBP160H38A PFPREM 15TD, PM3076 and Z300 TD8 | | WTC03999 | |
| - | Evaporator | | WTC03986 | |
| | Expansion valve UKV for PFPREM 11 MD/TD, PM3052/56 and Z300 MD5/TD5 | | WTC03928 | |
| | Expansion valve UVK 30D33 for PFPREM 15 MD/TD, PM3072/76 and Z300 MD8/TD8 | | WTC03994 | |
| | 4-way valve | | WTC03989 | |
| **Tôlerie** | | | | |
| 10 | Cover | A0260500A | WPV01001 | |
| 11 | Front panel | A0260400A | WPV01003 | |
| 12 | Grate | A0260900A | WPV01006 | |
| 13 | Technical door | A0260700A | WPV01007 | |
| 14 | Rear panel | A0260800A | WPV01004 | |
| 15 | Base | | WPV01002 | |
| 16 | Upright | A0260600A | WPV01005 | |
| **Autres** | | | | |
| 2 | Compressor insulation PFPREM 11 MD/TD, PM3052/56 and Z300 MD5/TD5 | | WTC03926 | |
| | Compressor insulation PFPREM 15 MD/TD, PM3072/76 and Z300 MD8/TD8 | | WTC03993 | |
| 7 | Condensate drain | | WTC02971 | |
| 8 | Lexan | H0445800A | H0512300A | WTC03942 |
| 67 | Propeller | | WTC03784 | |
| 68 | Fan motor bracket | | WTC03895 | |
| | Condenser support bracket set | | R06415 | |
| 71 | Protective grate 1045 x 765 | | WTC03896 | |
| E | Condenser outlet connector with tapping+gasket (before 2016) | | R0611001 | |
| - | Condenser outlet connector 3 fixations with tapping+gasket | | A0358000A | |
| F | Condenser inlet connector with tapping+gasket (before 2016) | | R0611301 | |
| - | Condenser inlet connector 3 fixations without tapping+gasket | | A0357800A | |
| | Set of 2 half-union connectors + gaskets 40/49 | | W20RDU | |
| 50 | Anti vibration pegs (to order by 4) | | WAP03064 | |
| **Accessoires** | | | | |
| - | Condensate tray + elbow | | R07242 | |
| | Remote control module | | WTC04004 | |
| | Local facility kit | | W20KITPFPREMLT | |
| | Winter cover | | R07095 | |
| | Cleaning Kit HP | | WMA03491 | |

*All electric parts on single phased Heat Pumps are sold without condensers.

# Z400iQ

Spare Parts
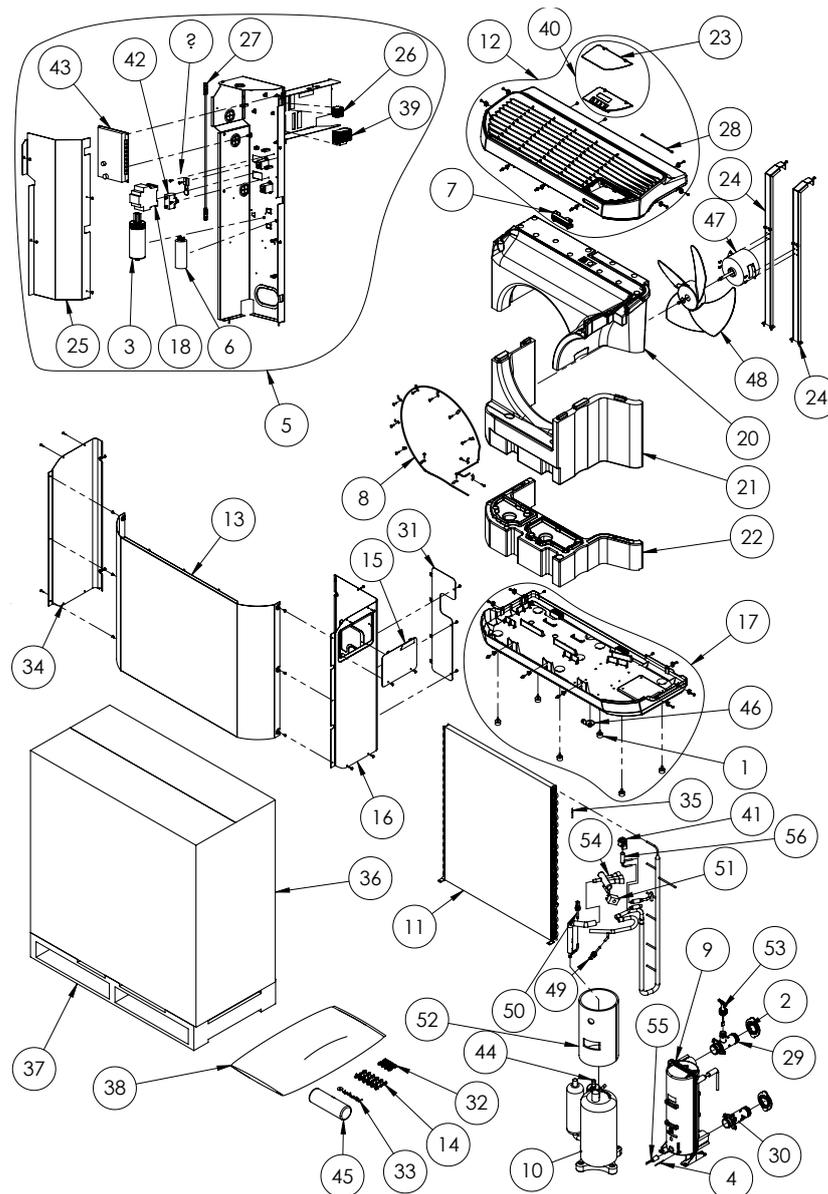


| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| 1 | Anti-vibratile plots (Z400iQ) | A0261100A |
| 3 | Capacitor ALU 60$\mu$F | B0181800A |
| 4 | Temperature Sensor ST1, ST3, ST4, ST5 | R06740 |
| 5 | Electrical box Z400iQ MD4/MD5 | R0811100 |
| | Electrical box Z400iQ MD7 | R0811200 |
| | Electrical box Z400iQ MD8 | R0811400 |
| | Electrical box Z400iQ MD9 | R0815000 |
| | Electrical box Z400iQ TD7 | R0811300 |
| | Electrical box Z400iQ TD8 | R0811500 |
| | Electrical box Z400iQ TD9 | R0815100 |
| 6 | Fan capacitor Normal Speed Z400iQ | R0811600 |
| 7 | Kit complete led Z400iQ | R0811900 |
| 8 | KIT HEATING CABLE FIXTURE Z400iQ | R0812000 |
| 18 | Contactor Z400iQ MD4/MD5/TD9 (18A) | WCF01113 |
| | Contactor Z400iQ MD7 (25A) | R0815300 |
| | Contactor Z400iQ MD8/MD9 (32A) | B0245900 |
| | Contactor Z400iQ TD7/TD8 (12A) | R0815500 |
| 19 | Varistor Z400iQ | R0815700 |
| 23 | HMI Cover Z400iQ | R0817800 |
| 25 | Electrical box door Z400iQ | R0818600 |
| 26 | Terminal Block accessories Z400iQ | R0818700 |
| 27 | Cable PCB Main Card / HMI Z400iQ | R0818800 |
| 28 | Cable HMI / LED Z400iQ | R0818900 |
| 35 | Temperature Sensor ST2 | R0827600 |
| 39 | Terminal block Z400iQ MD4/MD5/MD7/TD7 | R0840800 |
| | Terminal block Z400iQ MD8/TD8/MD9/TD9 | R0840900 |
| 42 | Fan capacitor Silence Speed Z400iQ | R0849900 |
| 43 | Main Card A1 WIFI Z400iQ | R0854200 |
| | Main Card A1 Z400 (before 2019 non iQ) | R0811700 |

| Position | Description | Reference |
|---|---|---|
| 47 | Fan Motor | WTC03783 |
| 48 | 4 Blades propeller | WTC03784 |
| 53 | Flow switch | WTC03943 |
| 55 | Condenser antifrost resistance 55W | WTC03991 |
| 57 | Smart Start Z400iQ | R0856600 |
| **Refrigerating spare parts** | | |
| 2 | HEAT EXCHANGER RING | A0353900A |
| 3 | PHASE CONTROLLER | WTC03940 |
| 9 | Condenser Z400iQ MD4/MD5 | R08121 |
| | Condenser Z400iQ MD7/TD7 | R08122 |
| | Condenser Z400iQ MD8/TD8/MD9/TD9 | R08123 |
| 10 | Compressor Z400iQ MD4 | R0812400 |
| | Compressor Z400iQ MD5 | R0812500 |
| | Compressor Z400iQ MD7 | R0812600 |
| | Compressor Z400iQ MD8 | R0812800 |
| | Compressor Z400iQ MD9 | R0813000 |
| | Compressor Z400iQ TD7 | R0812700 |
| | Compressor Z400iQ TD8 | R0812900 |
| | Compressor Z400iQ TD9 | R0813100 |
| 11 | Evaporator Z400iQ MD4/MD5 | R0813200 |
| | Evaporator Z400iQ MD7/TD7 | R0813300 |
| | Evaporator Z400iQ MD8/TD8/MD9/TD9 | R0813400 |
| 20 | Air conveyor top Z400iQ MD4/MD5/MD7/TD7 | R0817200 |
| | Air conveyor top Z400iQ MD8/TD8/MD9/TD9 | R0817500 |
| 21 | Air conveyor bottom Z400iQ MD4/MD5/MD7/TD7 | R0817300 |
| | Air conveyor bottom Z400iQ MD8/TD8/MD9/TD9 | R0817600 |
| 22 | Air conveyor bottom wedge Z400iQ MD7/TD7 | R0817400 |
| 41 | Expansion valve bobin ukv a053 Z400iQ | R0848600 |
| 44 | Liquid separator Z400iQ MD4/MD5/MD7/TD7 | R0855100 |
| | Liquid separator Z400iQ MD8/TD8/MD9/TD9 | R0855200 |
| 46 | Condensate evacuation elbow | WTC02971 |
| 49 | Lp switch | WTC03815 |
| 50 | Hp bar pressure switch | WTC03816 |
| 51 | 4 way valve coil | WTC03836 |
| 54 | 4 way valve Z400iQ MD4/MD5/MD7/TD7 | WTC03989 |
| | 4 way valve Z400iQ Z400iQ MD8/TD8/MD9/TD9 | R0815800 |
| 56 | Expansion valve ukv Z400iQ MD4 | WTC03927 |
| | Expansion valve ukv Z400iQ MD5 | WTC03928 |
| | Expansion valve ukv Z400iQ MD7/TD7/MD8/TD8/MD9/TD9 | WTC03994 |
| **Casing** | | |
| N/A | Kit demo tole Z400iQ ag | R0840400 |
| | Kit demo tole Z400iQ bg | R0840500 |
| 13 | Front panel aluminium grey + fixture kit Z400iQ MD4/MD5 | R0813700 |
| | Front panel aluminium grey + fixture kit Z400iQ MD7/TD7 | R0813900 |
| | Front panel aluminium grey + fixture kit Z400iQ MD8/TD8/MD9/TD9 | R0814100 |
| | Front panel beige grey + fixture kit Z400iQ MD4/MD5 | R0813800 |
| | Front panel beige grey + fixture kit Z400iQ MD7/TD7 | R0814000 |
| | Front panel beige grey + fixture kit Z400iQ MD8/TD8/MD9/TD9 | R0814200 |
| | Front panel stainless steel + fixture kit Z400iQ MD4/MD5 | R0861200 |
| | Front panel stainless steel + fixture kit Z400iQ MD7/TD7 | R0861300 |
| | Front panel stainless steel + fixture kit Z400iQ MD8/TD8/MD9/TD9 | R0861400 |
| 14 | Kit fixture front panel (6x rubber/nut/screw) Z400iQ | R0814300 |
| 16 | Technical panel Z400iQ MD4/MD5 | R0814500 |
| | Technical panel Z400iQ MD7/TD7 | R0814600 |
| | Technical panel Z400iQ MD8/TD8/MD9/TD9 | R0814700 |
| 34 | Lateral panel Z400iQ MD4/MD5 | R0820000 |
| | Lateral panel Z400iQ MD7/TD7 | R0820100 |
| | Lateral panel Z400iQ MD8/TD8/MD9/TD9 | R0820200 |
| 40 | Kit complete user interface wifi Z400iQ | R0841100 |
| | Kit complete user interface Z400iQ (before 2019) | R0811800 |
| **Others** | | |
| 12 | Top with fixture kit Z400iQ MD4/MD5/MD7/TD7 | R0813500 |
| | Top with fixture kit  Z400iQ MD8/TD8/MD9/TD9 | R0813600 |
| 15 | Lateral inspection hatch Z400iQ | R0814400 |
| 17 | Base with fixture kit Z400iQ MD4/MD5/MD7/TD7 | R0814800 |
| | Base with fixture kit Z400iQ MD8/TD8/MD9/TD9 | R0814900 |
| 24 | Motor fan support Z400iQ MD4/MD5 | R0818000 |
| | Motor fan support Z400iQ MD7/TD7 | R0818100 |
| | Motor fan support Z400iQ MD8/TD8/MD9/TD9 | R0841000 |
| 29 | Water connector for flow switch Z400iQ | R0819000 |
| 30 | Water connector without flow switch Z400iQ | R0819100 |
| 31 | Backside inspection hatch Z400iQ | R0819200 |
| 32 | Plastic nuts Z400iQ | R0819300 |
| 33 | Kit screws entire unit Z400iQ | R0819600 |
| 36 | Kit packaging Z400iQ MD4/MD5 | R0827700 |
| | Kit packaging Z400iQ MD7/TD7 | R0827800 |
| | Kit packaging Z400iQ MD8/TD8/MD9/TD9 | R0827900 |
| 37 | Pallet Z400iQ MD4/MD5/MD7/TD7 | R0835900 |
| | Pallet Z400iQ MD8/TD8/MD9/TD9 | R0836000 |
| 45 | Set of 2 half union connectors + gasket | W20RDU |
| 52 | Compressor insulation Z400iQ MD4 | R0815900 |
| | Compressor insulation Z400iQ MD5 | R0816000 |
| | Compressor insulation Z400iQ MD7 | WTC03926 |
| | Compressor insulation Z400iQ MD8/TD8/MD9 | R0817000 |
| | Compressor insulation Z400iQ TD7 | R0816900 |
| | Compressor insulationZ400iQ TD9 | R0817100 |
| **Accessories** | | |
| 38 | Winter cover Z400iQ large | R0840000 |
| | Winter cover Z400iQ medium | R0839900 |
| | Winter cover Z400iQ small | R0839800 |
| - | Cleaning kit hp | WMA03491 |

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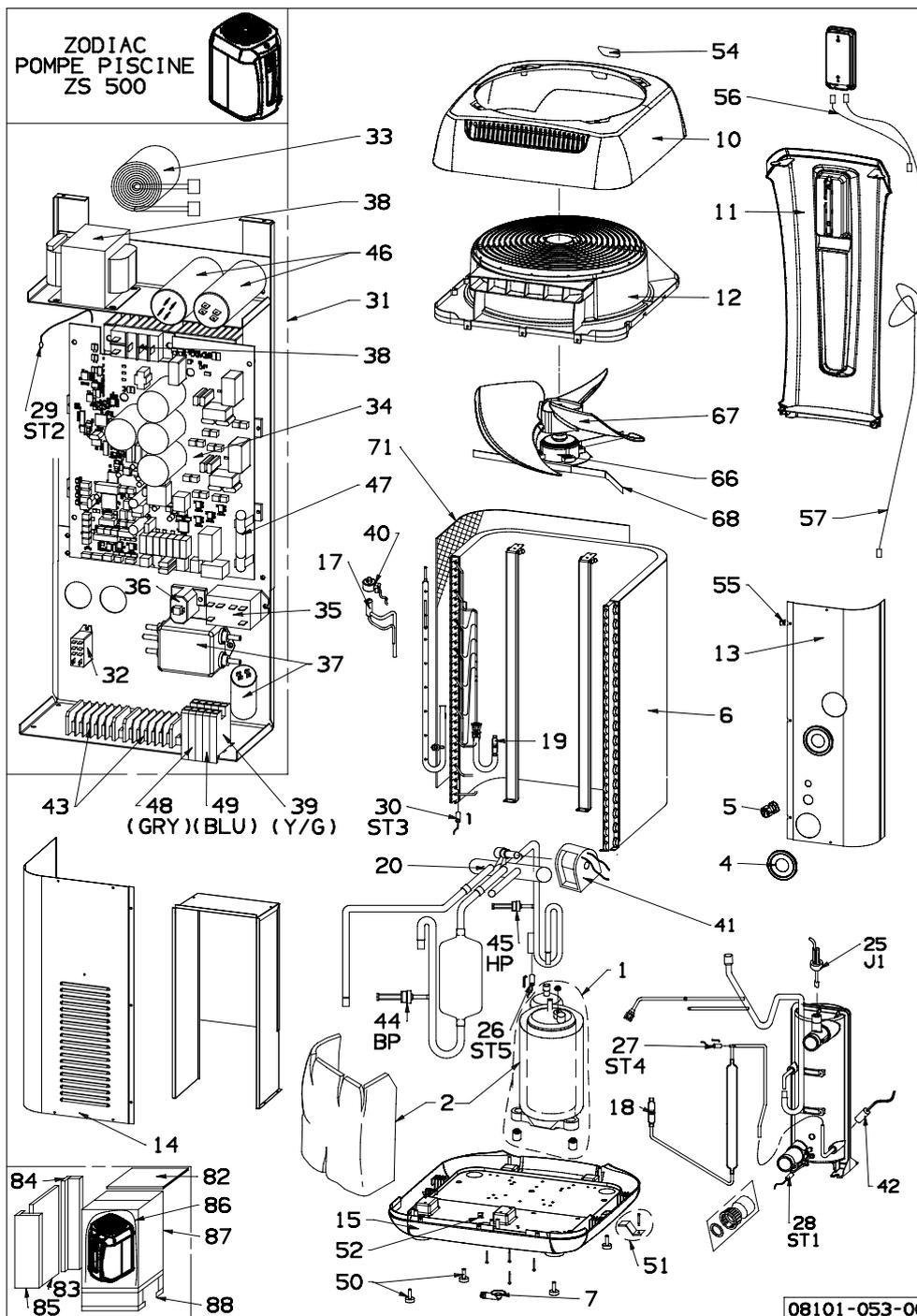
| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| 25 | Flow switch | B0052400A |
| 26 27 28 29 30 | Temperature sensor | R06740 |
| 31 | Complete electrical set without pad MD4 | B0203200A |
| | Complete electrical set without pad MD5 | B0052100A |
| | Complete electrical set without pad MD8 | B0203300A |
| | Complete electrical set without pad TD5 | B0224900A |
| | Complete electrical set without pad TD8 | B0225000A |
| 34 | A1 Main electronic card set MD4 | R07146 |
| | A1 Main electronic card set MD5 | R07147 |
| | A1 Main electronic card set MD8 | R07148 |
| | A1 Main electronic card set TD5 | B0217300B |
| | A1 Main electronic card set TD8 | B0217400B |

| Position | Description | Reference |
|----------|-------------|-----------|
| | 4 way valve Filter | R08611 |
| - | A1 Card fuse 6,3 x 32 25A | B0050600A |
| 57 | Communication wire RJ11/45 2M | B0051900A |
| 37 | EMC Filter 250-16A MD4-5 | B0050900A |
| | Filter 25A C3 MD8 | WTC04000 |
| | EMC Filter TD5-8 | B0217600A |
| 32 | Relay 12A 230V 2 changeover contacts ( for heating priority) | B0050800A |
| | Relay  ZS500 TD ( for power) | B0217500A |
| 33 | Filter inductor 30KHZ 1,5mH 22A | B0050700A |
| - | Condenser 1500$\mu$F 400V | B0217700A |
| 42 | Condenser resistance 55W L750 | B0051000A |
| - | Pad (Display) | WVH00001 |
| | Lexan Pad ZS500 | WZD00001 |
| 66 | Motor fan | B0050300A |
| **Refrigerating spare parts** | | |
| 1 | Compressor ZS500 MD4-5 | B0050500A |
| | Compressor ZS500 MD8 | B0185300A |
| | Compressor ZS500 TD5 | V0145000A |
| | Compressor ZS500 TD8 | V0145100A |
| 6 | Evaporator MD4 | M0126100A |
| | EvaporatorMD5-8 TD5-8 | M0042500A |
| 17 | Expansion valve UKV MD4 | WTC03927 |
| | Expansion valve UKV MD5-8 TD5-8 | WTC03928 |
| 40 | Expansion valve coil | B0217200A |
| 20 | 4-way valve MD4-5 TD5 | WTC03989 |
| | 4-way valve MD8 - TD8 | V0144700A |
| 41 | 4-way coil | WTC03836 |
| 44 | Pressure switch BP (to be soldered) | B0051200A |
| 45 | Pressure switch HP (to be soldered) | B0051100A |
| | Condenser 13kW MD4-5 TD5 | R06954 |
| | Condenseur 25KW MD8/TD8 | R06957 |
| **Casing** | | |
| 10 | Top panel | A0240800A |
| 11 | Front panel | A0240500A |
| 12 | Grate | A0240700A |
| 13 | Fixed rear panel | M0041200A |
| 14 | Removable rear panel | M0041300A |
| 15 | Base plate | A0240600A |
| **Others** | | |
| 2 | Compressor sound insulation MD4-5 TD5 | T0041900A |
| | Compressor sound insulation MD8 TD8 | T0067500A |
| 7 | Condensate drain | WTC02971 |
| 50 | Anti Vibratile plots | A0261100A |
| 67 | Propeller | WTC03955 |
| 68 | Fan motor bracket MD4 | M0132900A |
| | Fan motor bracket MD5-8 TD5-8 | M0041400A |
| | Condenser support bracket set | R06415 |
| 71 | Grey protective evaporator grate | A0261000A |
| | Condenser outlet connector with tapping+gasket (before 2016) | R0611001 |
| | Condenser outlet connector  3 fixations with tapping+gasket | A0358000A |
| | Condenser inlet connector with tapping+gasket (before 2016) | R0611301 |
| | Condenser inlet connector  3 fixations without tapping+gasket | A0357800A |
| | Set of 2 half-union connectors + gaskets 40/49 | W20RDU |
| | Joint for 50 x 1' 1/2 union | WNS03428 |
| **Accessories** | | |
| | Condensate tray | R07240 |
| | Remote control module | WH000201 |
| | Local facility kit | WH000202 |
| | Winter cover | R07096 |
| | Cleaning Kit HP | WMA03491 |

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POMPE PISCINE
Z500 iQ
(230 V)
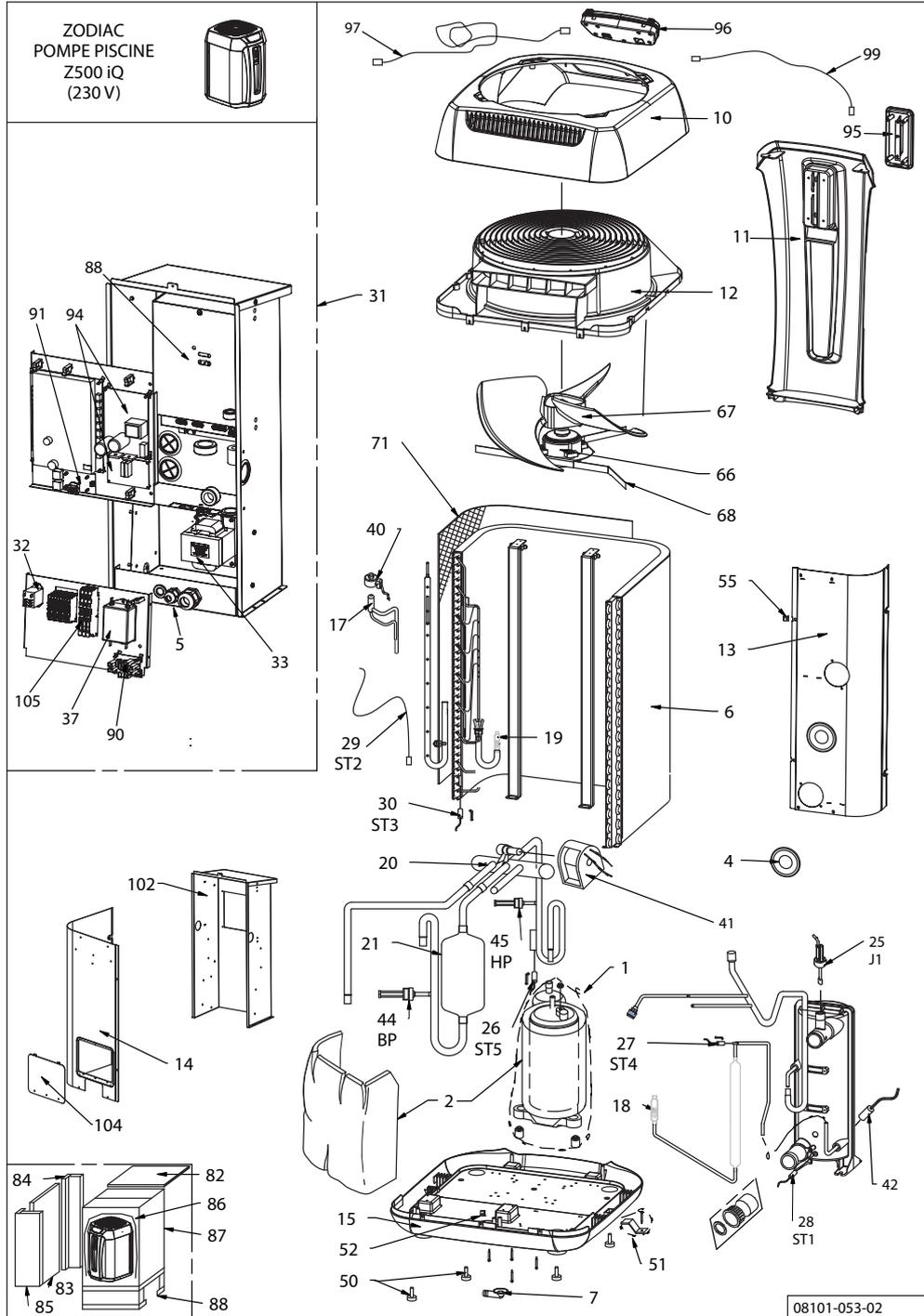
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| Position | Description | Reference |
|---|---|---|
| | **Electrical spare parts** | |
| 26, 27, 28, 30 | Temperature sensor ST1, ST3, ST4, ST5 | R0827600 |
| 29 | Temperature sensor ST2 | R06740 |
| 31 | Complete electrical box Z500iQ MD8 | R0879700 |
| | Complete electrical box Z500iQ TD5 | R0879800 |
| | Complete electrical box Z500iQ TD8 | R0879900 |
| 37 | EMC filter Z500iQ | WTC03982 |
| 33 | 1 Phase Inductor Z500iQ | R0876300 |
| | Tri Inductor Z500iQ | R0876400 |
| 105 | Terminal block MD8 (power supply and options) | R0879400 |
| 106 | Terminal block TD5, TD8 (power supply and options) | R0876200 |
| 88 | Driver 1 phase MD4, MD5, MD8 (A2) Z500iQ | R0873100 |
| 89 | Driver 3 phase TD5, TD8 (A2) Z500iQ | R0873200 |

| Position | Description | Reference |
|---|---|---|
| 90 | Filter board (A7) Z500iQ | R0874300 |
| 91 | Spliter board (A5) Z500iQ | R0874200 |
| 92 | Siam filter Tris TD5, TD8  Z500iQ | R0873300 |
| 93 | Regulation board (A1) MD4 Z500iQ | R0873400 |
| 93 | Regulation board (A1) MD5 Z500iQ | R0873500 |
| | Regulation board (A1) MD8 Z500iQ | R0873600 |
| | Regulation board (A1) TD5 Z500iQ | R0873700 |
| | Regulation board (A1) TD8 Z500iQ | R0873800 |
| 94 | Fan board (A3 + A8) Z500iQ | WTC03963 |
| 95 | LED board assembly (A6)  Z500iQ | R0874000 |
| 96 | HMI board assembly Z500iQ | R0875900 |
| 97 | RJ45 COMMUNICATION WIRE ZS500 IQ IHM / spliter 165 cm | R0874400 |
| 99 | LED WIRE 65 cm Z500iQ | R0874500 |
| | Wire between spliter board and fan board Z500iQ | R0874600 |
| | NN wires spliter / terminal block Z500iQ | R0874700 |
| 102 | ELECTRICAL BOX Z500iQ THREE PHASE | R0878900 |
| 102 | Electrical box Z500iQ single phase | R0874800 |
| 25 | Flow switch Z500 | B0052400A |
| 32 | Relay 12A contacts inverseur | B0050800A |
| 42 | Condenser resistance 55W L750 | B0051000A |
| 66 | Motor fan | B0050300A |
| **Refrigerating spare parts** | | |
| | Condenser Z500iQ MD4; MD5; TD5 | R0812200 |
| | Condenser Z500iQ MD8; TD8 | R0812300 |
| | Z500iQ fittings with chipping | R0819000 |
| | Z500iQ fittings without chipping | R0819100 |
| 1 | Compressor Z500iQ MD4-5 | B005050A |
| 1 | Compressor Z500iQ MD8 | B0185300A |
| | Compressor Z500iQ TD5 | V014500A |
| | Compressor Z500iQ TD8 | V0141100A |
| 6 | Evaporator MD4 Z500iQ | M0126100A |
| 6 | Evaporator MD5,8 TD5,8 Z500iQ | M0042500A |
| 17 | Expansion valve UKV MD4 Z500iQ | WTC03927 |
| 17 | Expansion valve UKV MD5,8 TD5,8 Z500iQ | WTC03928 |
| 40 | Expansion valve coil Z500iQ | B0183700A |
| 20 | 4 way valve MD4,5 TD5 | WTC03989 |
| 20 | 4 way valve MD8 TD8 | V0144700A |
| 41 | Bobine 4 way valve Z500iQ | WTC03990 |
| 44 | Low pressure switch Z500iQ | B0051200A |
| 45 | High pressure switch Z500iQ | B0051100A |
| **Casing** | | |
| 10 | Top panel Z500iQ | R0874900 |
| 11 | Front panel Z500iQ | R0875000 |
| 12 | Grid Z500iQ | R0875100 |
| 14 | Removable rear panel Z500iQ | R0875200 |
| 104 | Electrical terminal block plate Z500iQ | R0875300 |
| 15 | Base plate Z500iQ | R0875400 |
| 13 | Fixed rear panel Z500iQ | R0876000 |
| 2 | Compressor insulation MD4,5 TD5 Z500iQ | T0041900A |
| 2 | Compressor insulation MD8 TD8 Z500iQ | T0067500A |
| 7 | Condensate drains Z500iQ | WTC02971 |
| 50 | Anti vibration mounts Z500iQ | A0261100A |
| 67 | Propeller Z500iQ | WTC03955 |
| 68 | Fan motor bracket MD4 | M0132900A |
| 68 | Fan motor bracket MD5, 8 TD5, 8 | M0041400A |
| | Condenser bracket set Z500iQ | R06415 |
| 71 | Grey protective evaporator grid | A0261000A |
| **Accessories** | | |
| | Condensate tray | R07240 |
| | Local facility kit | WH000202 |
| | Winter cover | R07096 |
| | Cleaning kit PAC | WMA03491 |

# Powerforce

Spare Parts

**Power Force 25-35**



Ed. 01 du 07-2016

**Power Force 25-35**



Ed. 01 du 07-2016
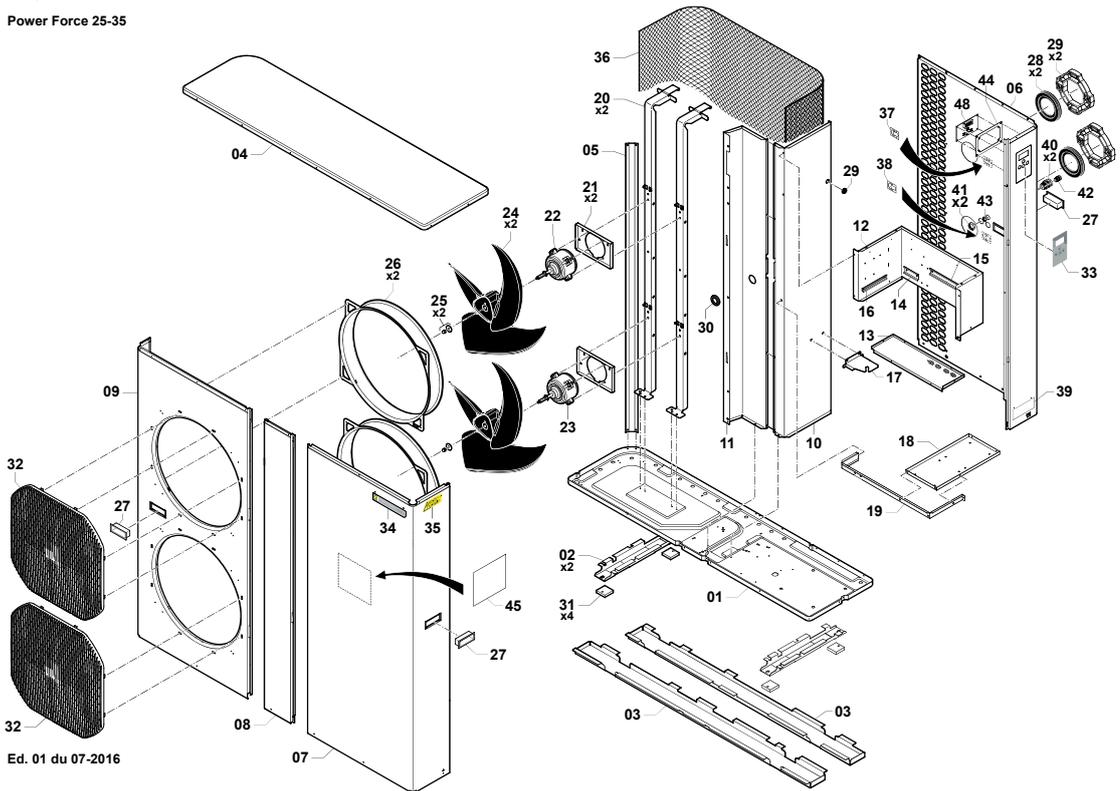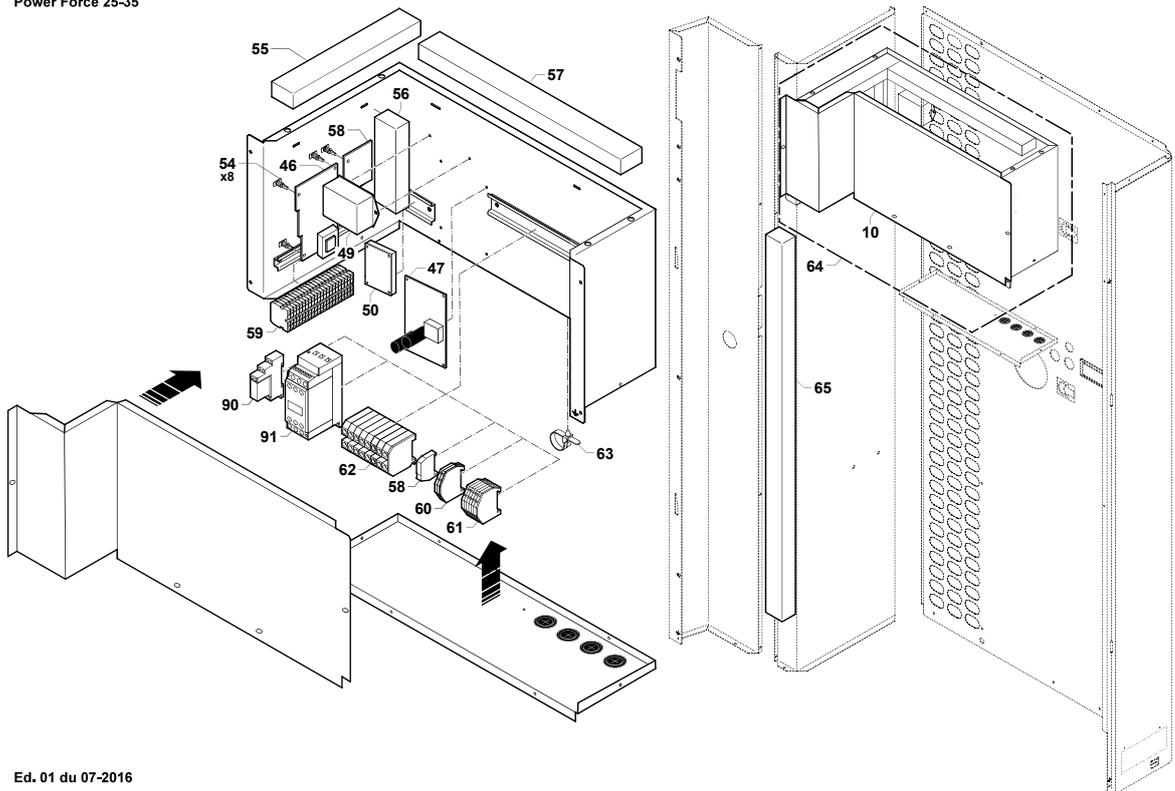
| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| 22 | Bottom or Top fan motor (both must be replaced) | WTC03954 |
| 48 | Display card A2 | WTC03939D |
| 46 | Adjustment main card A1 | WTC03962 |
| 58 | Expansion valve card A4 | R07043 |
| 47 | Fan card A3 + protective circuit | WTC03963 |

| Position | Description | Reference |
|---|---|---|
| 50 | Housing resistance 45W Compressor | WTC03964 |
| | Protection circuit | WTC03974 |
| 52 | Fuse terminal assembly 5 x 20 2 A | WTC04002 |
| 91 | Contactor 25A | WCF01113 |
| 90 | Phase controller | WTC03940 |
| 83 | Temperature sensor | R06740 |
| 87 | Temperature sensor | |
| 88 | Temperature sensor | |
| 84 85 | Temperature sensor | |
| 49 | Filter CEM 6 A, 250 V | WTC03982 |
| | Varistor | WTC03988 |
| | Klixon Compressor | WTC04009 |
| | Compressor starter kit for Powerforce before 2016 | WTC03977 |
| **Refrigerating spare parts** | | |
| 66b | Compressor PowerForce 35 | WTC03945 |
| 66a | Compressor PowerForce 25 | WTC03946 |
| 69 | Condenser PowerForce 25 and 35 | R06959 |
| 70 | Evaporator | WTC03947 |
| 75 | 4-way valve | WTC03948 |
| 73 | Expansion valve UKV32D | WTC03949 |
| 72 | Dehydrator  164 S | WTC03950 |
| 71 | Liquid bottle | WTC03951 |
| 74 | Expansion valve Coil UKV-A102 LG700 | WTC03959 |
| 76 | 4-way coil STEF-01AI518A1 | WTC03960 |
| | LP 0.5/2 Bar pressure switch (to be soldered) | WTC03815 |
| | HP 33/42 Bar pressure switch  (to be soldered) | WTC03816 |
| **Casing** | | |
| 9 | Double ventilation assembly | WTC03965 |
| 8 | Front panel assembly with display location (up to 2015) | WTC03966 |
| | front panel (from nov.2015) | M0143900A |
| 7 | Side panel | WTC03968 |
| 6 | Rear panel (up to 2015) | WTC03969 |
| | Rear panel with display location (from nov. 2015) | M0144000A |
| 4 | Top panel assembly | WTC03970 |
| 5 | Left rear upright | WTC03971 |
| 1/2/3 | Base | WTC03973 |
| **Others** | | |
| 101 | Condensate manifold PowerForce | W20COLPAC2535EN |
| 102 | Condensate manifold PowerForce | W20COLPAC2535SO |
| 103 | Joint for 50 x 1' 1/2 union | WNS03428 |
| 68 | Compressor insulation | WTC03952 |
| 24 | Propeller | WTC03955 |
| 32 | Fan protection grate | WTC03956 |
| 36 | Grill 1350x1490 mm | WTC03957 |
| 26 | Plastic ferrule | WTC03958 |
| 33 | Lexan | WTC03967 |
| 27 | Plastic handle + seal | WTC03972 |
| 21 | Ventilation support upright | WTC03976 |
| | Card seal A2 | WTC04008 |
| | Condenser connection bracket | R06627 |
| 103-104-105 | 3 pieces connection kit diam. 63 | WNS01791 |
| | Condenser outlet connector with tapping+gasket (before 2016) | R0611001 |
| | Condenser outlet connector  3 fixations with tapping+gasket | A0358000A |
| | Condenser inlet connector with tapping+gasket (before 2016) | R0611301 |
| | Condenser inlet connector  3 fixations without tapping+gasket | A0357800A |
| **Accessories** | | |
| | Remote control module | WTC04004 |
| | Cleaning Kit HP | WMA03491 |
| | Condensate tray | R07241 |

*All electric parts on single phased Heat Pumps are sold without condensers.

# Z900

Spare Parts
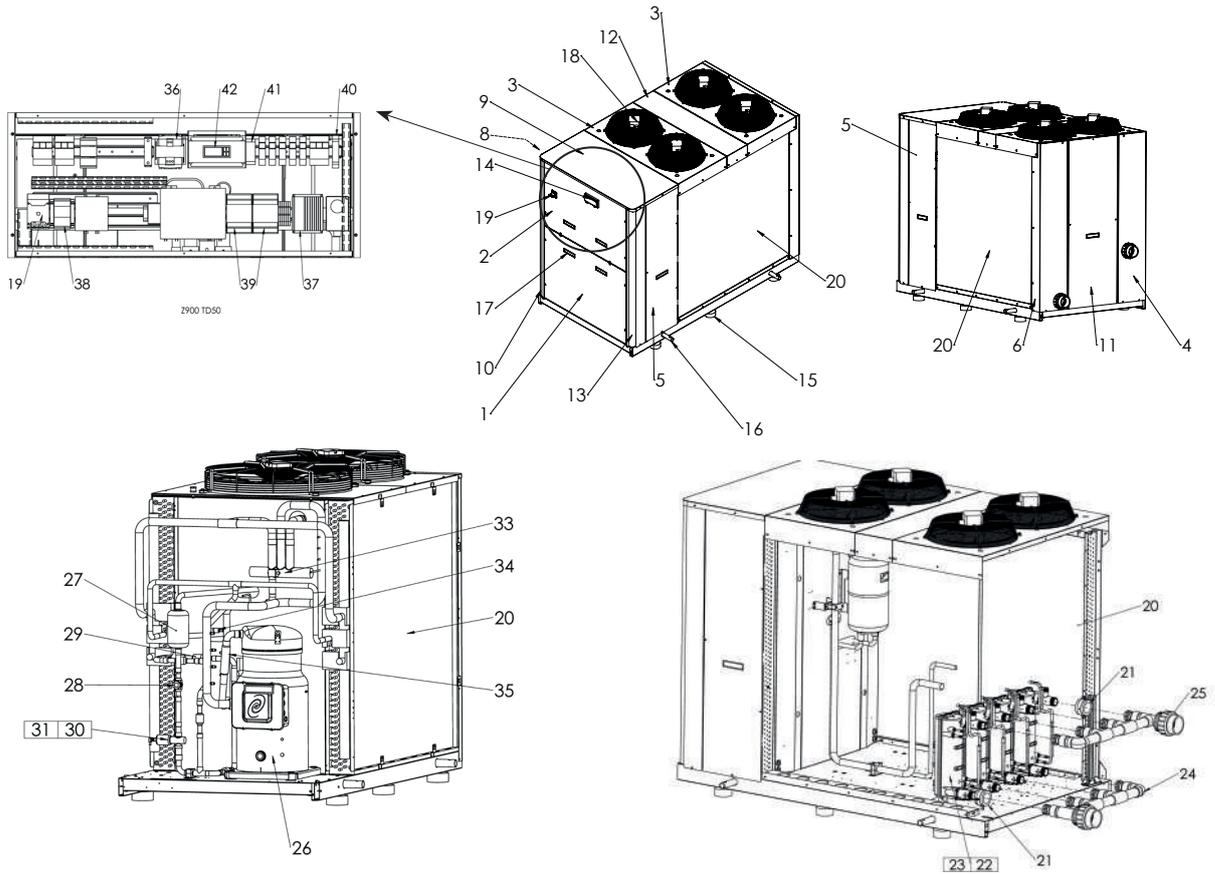


Z900 TD50

| Position | Description | Reference |
|---|---|---|
| | **Electrical spare parts** | |
| 18 | Motorfan Z900 TD20-30 | R07784 |
| | Motorfan Z900 TD50 | R07785 |
| | Noryl flow switch | WSK02022 |
| 42 | Regulation and display Z900 TD20 | R07795 |
| | Regulation and display Z900 TD30 | R07796 |
| | Regulation and display Z900 TD50 | R07797 |
| 39 | EEV driver Z900 TD20 | R07792 |
| | EEV connectors Z900 TD20 | R07801 |
| | EEV connectors Z900 TD30-50 | R07802 |
| 37 | Motorfan driver Z900 TD20-30 | R07812 |
| | Motorfan driver Z900 TD50 | R07813 |
| 38 | Compressor contactor Z900 TD20 | R07787 |
| | Compressor contactor Z900 TD30 | R07788 |
| | Compressor contactor Z900 TD50 | R07789 |
| | Temperature sensors (air and water) | R07803 |
| | Suction temperature sensor (EEV aspiration) | R07800 |
| 40 | Phase controler | R07786 |
| 41 | Bipolar relay Z900 TD20-30 | R07808 |
| | Bipolar relay Z900 TD50 | R07809 |
| | Connection wire for pressure sensor | R07817 |
| | Condenser antifreeze heater | R07799 |
| | Compressor heater Z900 TD20 | R07814 |
| | Compressor heater Z900 TD30 | R07815 |
| | Compressor heater Z900 TD50 | R07816 |
| 33 | 4 way-valve electrical coil | R07804 |
| | 4 way-valve Z900 TD20-30 | R08017 |
| | 4 way-valve Z900 TD50 | R08018 |
| 36 | Transformer 24V Z900 | R07798 |
| 19 | Main ON/OFF switch Z900 TD20-30 | R07806 |
| | Main ON/OFF switch Z900 TD50 | R07807 |

*All electric parts on single phased Heat Pumps are sold without condensers.

| Position | Description | Reference |
|---|---|---|
| **Refrigerating spare parts** | | |
| 26 | Compressor Z900 TD20 | R07827 |
| | Compressor Z900 TD30 | R07828 |
| | Compressor Z900 TD50 | R07829 |
| 30 | EEV Z900 TD20 | R07830 |
| | EEV Z900 TD30-50 | R07831 |
| 20 | Evaporator Z900 TD20 | R07839 |
| | Evaporator Z900 TD30 | R07840 |
| | Evaporator Z900 TD50 | R07841 |
| 27 | Dehydrator Z900 TD20 | R07835 |
| | Dehydrator Z900 TD30-50 | R07836 |
| 28 | Liquid check Z900 TD20 | R07837 |
| | Liquid check Z900 TD30-50 | R07838 |
| 29 | Check valve Z900 TD20 | R07833 |
| | Check valve Z900 TD30-50 | R07834 |
| 35 | Discharge line anti vibration tube Z900 TD20 | R07842 |
| | Discharge line anti vibration tube Z900 TD30 | R07843 |
| | Discharge line anti vibration tube Z900 TD30 | R07844 |
| | Pressure sensor BP Z900 | R07790 |
| | Pressure sensor HP Z900 | R07791 |
| 34 | HP security sensor Z900 TD30-50 (manual reset) | R07832 |
| | Low pressure switchZ900 | R07845 |
| 22 | Condenser 25KW | R06957 |
| 24 | Water inlet PVC collector Z900 TD20 | R07818 |
| | Water inlet PVC collector Z900 TD30 | R07820 |
| | Water inlet PVC collector Z900 TD50 | R07822 |
| 25 | Water outlet PVC collector Z900 TD20 | R07819 |
| | Water outlet PVC collector Z900 TD30 | R07821 |
| | Water outlet PVC collector Z900 TD50 | R07823 |
| 21 | Collector mountig bracket kit Z900 TD20-30 | R07777 |
| **Casing** | | |
| 1 | Technical access panel Z900 TD20-30 | R07750 |
| | Technical access panel Z900 TD50 | R07760 |
| 2 | Display metal panel Z900 TD20-30 | R07751 |
| | Display metal panel Z900 TD50 | R07761 |
| 3 | Upper fan metal panel Z900 TD20-30 | R07752 |
| | Upper fan metal panel Z900 TD50 | R07762 |
| 9 | Upper front metal panel Z900 TD20-30 | R07758 |
| | Upper front metal panel Z900 TD50 | R07772 |
| 4 | Right rear metal panel Z900 TD20-30 | R07753 |
| | Right rear metal panel Z900 TD50 | R07766 |
| 6 | Left rear metal panel Z900 TD20-30 | R07755 |
| | Left rear metal panel Z900 TD50 | R07763 |
| 7 | Wtare connection rear metal panel Z900 TD20-30 | R07756 |
| 11 | Central rear metal panel Z900 TD50 | R07764 |
| 12 | Mid upper metal panel Z900 TD50 | R07767 |
| 8 | Left metal panel Z900 TD20-30 | R07757 |
| | Left metal panelZ900 TD50 | R07769 |
| 5 | Right metal panel Z900 TD20-30 | R07754 |
| | Right metal panel Z900 TD50 | R07768 |
| 10 | Front left corner Z900 TD20-30 | R07759 |
| 13 | Front right corner Z900 TD50 | R07770 |
| 10 | Front left corner Z900 TD50 | R07771 |
| **Others** | | |
| 14 | User interface plastic window Z900 | R07773 |
| 17 | Casing handles | R07846 |
| 15 | Anti-vibration mountings Z900 | R07774 |
| | Compressor sound insulation TD20 | R07781 |
| | Compressor sound insulation TD30 | R07782 |
| | Compressor sound insulation TD50 | R07783 |
| | 3 pieces connection kit diam. 63  (Z900 TD20/30) | WIP03451 |
| | 3 pieces connection kit diam. 90  (Z900 TD50) | WIP03450 |
| **Accessories** | | |
| | Remote control | R0770900 |
| | Cleaning Kit HP | WMA03491 |
| 16 | Lifting bars Z900 TD20 | R07778 |
| | Lifting bars Z900 TD30 | R07779 |
| | Lifting bars Z900 TD50 | R07780 |

Spare Parts



Power First 6, 8, 11, 13, 15

Power First 6, 8, 11

Power First 13

Power First 13

Power First 15

| Position | Description | Reference |
|---|---|---|
| | **Electrical spare parts** | |
| 36a | Complete electric plate Powerfirst 6 et 8 single phase | WCE03706 |
| 36b | Powerfirst 11 single phase complete electric plate | WCE03830 |
| 36c | Powerfirst 13 and 15 complete electric plate single phase | WCE03828 |
| 40 | Regulation plate | WCE03712 |
| 48 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | WCE03850 |
| 49 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | |
| 47 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | |
| 46 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | |
| 51 | Noryl flow switch | WSK02022 |
| 66 | Ventilator motor | WTC03783 |
| 37a | Compressor Condenser 50$\mu$f Powerfirst 6, 8 et 11 single phase | B0181100A |
| 37b | Compressor alu Condenser 60$\mu$F Powerfirst 13 et 15 single phase | B0181800A |
| 38 | Fan Condenser 5 $\mu$F | WCE03714 |
| | Contactor Kit Powerfirst | R08090 |
| | **Refrigerating spare parts** | |
| 1a | Panasonic Compressor for Powerfirst 6 single phase | WTC03827 |
| 1b | Panasonic Compressor for Powerfirst 8 single phase | WTC03828 |
| 1c | Panasonic Compressor for Powerfirst 11 single phase | WTC03870 |
| 1d | 1-phase Powerfirst 13 single phase Compressor | WTC03900 |
| 1e | 1-phase Powerfirst 15 single phase Compressor | WTC03904 |
| 6a | Evaporator battery for Powerfirst 6 and 8 single phase | WTC03894 |
| 6b | Evaporator battery for Powerfirst 11 single phase | WTC03899 |
| 6c | Evaporator battery for Powerfirst 13 and 15 single phase | WTC03902 |
| 11a | condenser Powerfirst 6 single phase | R06960 |
| 11b | condenser Powerfirst 8 single phase | R06961 |
| 11c | condenser Powerfirst 11 single phase | R06963 |
| 11d | condenser Powerfirst 13 single phase | R06954 |
| 11e | condenser Powerfirst 15 single phase | R06957 |
| 90a | Dehumidifier 053S Powerfirst 6, 8, 11 et 13 single phase | WCY00995 |
| 90b | Dehumidifier 084S Powerfirst 15 single phase | WCY00997 |
| 17a | Expansion valve BBIZE 2 Powerfirst 6, 8 et 11 single phase | WTC03906 |
| 17b | Expansion valve BBIZE4 3/8 1/2 for Powerfirst 13 and 15 single | WTC03903 |
| 44 | LP 0.5/2 Bar pressure switch (to be soldered) | WTC03815 |
| 45 | HP 33/42 Bar pressure switch  (to be soldered) | WTC03816 |
| | **Others** | |
| 21 | Base | WPV01002 |
| 23 | Front face | WPV01003 |
| 9 | Lexan | WCE03829 |
| 25 | Fan grate | WPV01006 |
| 27 | Cover | WPV01001 |
| 28 | Casing corner | WPV01005 |
| 29 | Rear panel | WPV01004 |
| 34 | Access Technical access panel | WPV01007 |
| 60 | Joint for 50 x 1' 1/2 union | WNS03428 |
| 61 60 | Set of 2 half-union connectors + gaskets 40/49 | W20RDU |
| 67 | Ventilator fan | WTC03784 |
| E | Condenser outlet connector with tapping+gasket (before 2016) | R0611001 |
| F | Condenser inlet connector with tapping+gasket (before 2016) | R0611301 |

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## POWER PAC 1, 2, 3



Ed. 02 de 09 2008

## POWER PAC 1, 2, 3



Ed. 02 de 09 2008

| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| 40 | Regulation plate for Powerpac / Onepac | WCE03712 |
| 36 | Complete electric plate | WCE03706 |
| 48 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | WCE03850 |
| 49 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | |
| 47 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | |
| 46 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | |
| 51 | Noryl flow switch | WSK02022 |
| 66 | Ventilator motor | WTC03783 |
| 37 | Compressor Capacitor 50µf (powerpac 1, 2, 3) C2 | B0181100A |
| 38 | Fan Capacitor 5 µF (powerpac 1,2,3) C1 | WCE03714 |
| | 3,15A Fuse | WRD01864 |
| **Refrigerating spare parts** | | |
| 90 | Dehumidifier 053S | WCY00995 |
| 44 | LP 0.5/2 Bar pressure switch (to be soldered) | WTC03815 |
| 45 | HP 33/42 Bar pressure switch  (to be soldered) | WTC03816 |
| 1 | Panasonic Compressor for Powerpac / Onepac 1 (5KS205DAJ21) | WTC03827 |
| | Panasonic Compressor for Powerpac / Onepac 2m (5KS225DAJ21) | WTC03828 |
| | Panasonic Compressor for Powerpac / Onepac 3m (5JS315DAA) | WTC03870 |
| 17 | Expansion valve TX3Z35 (powerpac 1 and 2) | WTC03829 |
| | Expansion valve BBIZE 2 GA (powerpac 3) | WTC03906 |
| 6 | Evaporator battery (powerpac 1 and 2) | WTC03830 |
| | Evaporator battery (powerpac 3) | WTC03873 |
| 11 | Condenser Powerpac 1 | R06960 |
| | Condenser Powerpac 2 | R06961 |
| | Condenser Powerpac 3 | R06963 |
| **Others** | | |
| 21 | Base | W20KITZPHBASE |
| 23 | Front face | W20KITZPHFACAV |
| 9 | Lexan | WCE03708 |
| 25 | Blower grate | W20KITZPHGRILLE |
| 28 | Casing corner | W20KITZPHCOIN |
| 29 | Condenser outlet plate | W20KITZPHPLAQUE |
| 34 | Technical access door | W20KITZPHPORTE |
| 91 | Ventilator fan | WTC03784 |
| E | Condenser outlet connector with tapping+gasket (before 2016) | R0611001 |
| F | Condenser inlet connector with tapping+gasket (before 2016) | R0611301 |
| 60/ 61 | Set of 2 half-union connectors + gaskets 40/49 | W20RDU |
| 60 | Joint for 50 x 1' 1/2 union | WNS03428 |
| **Accessories** | | |
| | Winter cover | W20HOUSSEPOWER |
| | Cleaning Kit HP | WMA03491 |

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## FK REGULATOR MODEL WITH PRESSURE GAUGE

For all orders please indicate the Heat Pump serial number



## EVK REGULATOR MODEL WITHOUT PRESSURE GAUGE

For all orders please indicate the Heat Pump serial number



| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| 37 | Compressor alu capacior 45$\mu$F (Eden1) | B0181600A |
| | Compressor capacitor alu 50$\mu$F (Eden 2) | B0181100A |
| | Compressor capacitor alu 60$\mu$F (Eden 3) | B0181800A |
| | Compressor capacitor alu 80$\mu$F (Eden 4) | B0181900A |
| 38 | Fan Capacitor 6.3$\mu$F (Eden 1 to 5) | WCE03695 |
| 40 | Euro Alpha FK regulator (MAP 6) | WCE03687 |
| 41 | Euro alpha FK connection plate | WCE03698 |
| 59 | Euro alpha FK connection braid (Eden 1 to 8) | WCE03554 |
| 43a | Starter (1-phase Eden 3 and 4) for EuroAlfa FK | WCE03704 |

| Position | Description | Reference |
|---|---|---|
| E | Eden contactor Kit for EVK (substitutes Smart Starter) | R08071 |
| 40 | EVK Regulator (since 2011) | WCE03823 |
| 45 | EVK pressure captor | WKE02150 |
|  | EVK Connection braid (since 2011) | WCE03824 |
| 41 | EVK connection plate (since 2011) | WCE03825 |
|  | EVK speed regulation card | WCE03826 |
| 42 | Contactor 9A (Eden 3 et 5 tri) 3RT 1016 1A | WCF01066 |
|  | Contactor 18A (Eden 1, 2 et 3 single phase) 3RT 1025 1A | WTC03937 |
|  | Contactor 25A | WCF01113 |
| 47 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) |  |
| 48 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | WCE03850 |
| 49 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) |  |
| 51 | Noryl flow switch | WSK02022 |
| 52 | Phase controller Eden 3/5 | WCZ01371 |
| 66 | Ventilator motor | WTC03783 |
| **Refrigerating spare parts** | | |
| 1 | ZP26 Compressor single phase 410A Eden 1 | WCO03824 |
|  | ZP32 Compressor single phase 410A Eden 2 | WCO03818 |
|  | ZP42 Compressor single phase 410A Eden 3 | V0149500 |
|  | ZP42 Compressor three phase 410A Eden 3 | V0149600 |
|  | ZP54 Compressor single phase 410A Eden 4 | V0149700 |
|  | ZP54 Compressor three phase 410A Eden 5 | V0149800 |
| 6 | Evaporator Eden 1/2 | WTC03782 |
|  | Evaporator Eden 3 | WTC03800 |
|  | Evaporator Eden 4/5 | WTC03803 |
| 17 | Expansion valve Eden 1 BBIZE 2 adjustable | WTC03843 |
|  | Expansion valve Eden 2 BBIZE 2 | WTC03799 |
|  | Expansion valve Eden 3 BBIZE 3 | WTC03848 |
|  | Expansion valve Eden 4/5 BBIZE 4 | WTC03847 |
| 90 | Dehumidifier 053S (Edenpac 1, 2, 3) | WCY00995 |
|  | Dehydrator 083S (Eden 4, 5) | WCY00996 |
| 21 | Manometer for soldering (Eden 1 to 8) until end 2008 | WTC03814 |
|  | LP 0.5/2 Bar pressure switch (to be soldered) | WTC03815 |
|  | HP 33/42 Bar pressure switch  (to be soldered) | WTC03816 |
| 11 | condenser Edenpac 1 | R06962 |
|  | Condenser for Edenpac 2 and 3 | R06953 |
|  | Condenser for Edenpac 4 and 5 | R06955 |
| **Others** | | |
| 10 | Wire tunnel | WSS01986 |
| 13 /12 | Plastic grooved condensation angle + cap | WKITCONDENSAT |
| 15 | Polypropylene gate (Eden 1 to 8) | WIB03653 |
| 3 | Push bolt | WEM03645 |
| 34 | Anti vibration pegs (to order by 4) | WAP03064 |
| 61/ 60 | Set of 2 half-union connectors + gaskets 40/49 | W20RDU |
| 60 | Joint for 50 x 1' 1/2 union | WNS03428 |
| G | Hydraulic connector kit - condenser outlet with tapping + gasket | R0611101 |
| H | Hydraulic connector kit - condenser inlet + gasket | R0611201 |
| 67 | Ventilator fan (Eden 1 à 5) | WTC03784 |
| 71 | Rear plastic grate | WTC03786 |
| 72 | Polypropylene grate (Eden 1 to 5) | WIB03652 |
| 73 | Ventilator shaft (Eden 1 to 5) | WTC03787 |
| 74 | Manometer front face panel (Eden 1 to 5) | WTC03788 |
| 75 | Right side door (Eden 1 to 5) | WTC03789 |
| 76 | Polypropylene right side face (Eden 1 to 5) | WIB03651 |
| 78 | Back panel (Eden 1 to 5) | WTC03791 |
| **Accessories** | | |
|  | Remote control module EVK | WCE03827 |
|  | Winter cover (Edenpac 1 to 5) | W20HOUSSEDEN |
|  | Cleaning Kit HP | WMA03491 |

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## FK REGULATOR MODEL WITH PRESSURE GAUGE
For all orders please indicate the Heat Pump serial number



## EVK REGULATOR MODEL WITHOUT PRESSURE GAUGE
For all orders please indicate the Heat Pump serial number





| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| 38 | Fan Condenser 6.3μF (Eden 6 to 8) | WCE03695 |
| H | Compressor alu Condenser 60μF (Eden 7 single phase) | B0181800A |
| 40 | Euro Alpha FK regulator (since 2004) MAP 2 | WCE03687 |
| 41 | Euro alpha FK connection plate (since 2007) | WCE03698 |
| 59 | Euro alpha FK connection braid | WCE03554 |

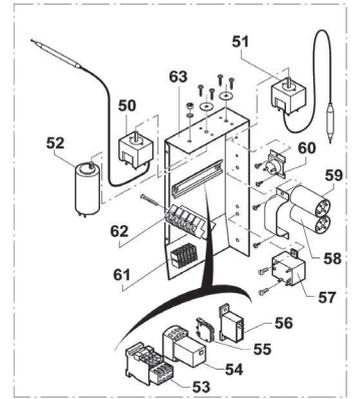| Position | Description | Reference |
|---|---|---|
| F | Starter (Eden 3 and 4 single phase) for EuroAlfa FK | WCE03704 |
| 4A | EVK Regulator (since 2011) | WCE03823 |
| 4B | EVK pressure captor | WKE02150 |
| 4C | EVK Connection braid (since 2011) | WCE03824 |
| 4D | EVK connection plate (since 2011) | WCE03825 |
| | EVK speed regulation card | WCE03826 |
| | Smart starter for EVK | WCE03832 |
| 42 | 18A Contactor (Eden 7 and 8 single phase) 3RT 1025 1A | WCE03690 |
| 42 | 12A Contactor (Eden 6 tri phase) 3RT 1024 1A | WCE03693 |
| 47 | NTC sensor (anti-freeze ST2 / black) | WCE03850 |
| 48 | NTC sensor (water temperature ST1 /white) | |
| 49 | NTC sensor (defrosting temperature ST3/ grey) | |
| 51 | Noryl flow switch | WSK02022 |
| 52 | Phase controller Eden 6/8 tri | WCZ01371 |
| 66 | Ventilator motor (Eden 6 to 8) | WTC03783 |
| 67 | Ventilator fan | WTC03784 |
| I | 36s timer for Compressor startup Eden 7 single phase | WCE03715 |
| **Refrigerating spare parts** | | |
| 1 | ZP90 Compressor three phase 410A Eden 8 | WCO03846 |
| | ZP42 Compressor ZP42 single phase Eden 7 | V0149500 |
| | ZP72 Compressor three phase 410A Eden 6 | WCO03823 |
| 6 | Evaporator Eden 6 three phase | WTC03805 |
| | Evaporator Eden 8 three phase | WTC03845 |
| | Evaporator Eden 7 single phase | WTC03844 |
| 17 | Expansion valve Eden 8 tri phase adjustable | WAC02960 |
| | Expansion valve Eden 3 BBIZE 3 | WTC03848 |
| | Expansion valve Eden 6 (BBIZE6) | WTC03806 |
| 21 | Manometer 410 for soldering (Eden 1 to 8) until end 2008 | WTC03814 |
| | LP 0.5/2 Bar pressure switch (to be soldered) | WTC03815 |
| | HP 33/42 Bar pressure switch  (to be soldered) | WTC03816 |
| 90 | Dehumidifier 084S Eden 6 and 8 | WCY00997 |
| | Dehumidifier 053S Eden 7 | WCY00995 |
| 11 | Condenser for Edenpac 6 and 8 | R06958 |
| | Condenser for Edenpac 7 | R06956 |
| **Others** | | |
| 41609 | Plastic grooved condensation angle + cap | WKITCONDENSAT |
| 15 | Polypropylene gate (Eden 1 to 8) | WIB03653 |
| 3 | Push bolt | WEM03645 |
| 34 | Anti vibration pegs (to order by 4) | WAP03064 |
| 61/60 | Set of 2 half-union connectors + gaskets 40/49 | W20RDU |
| 60 | Joint for 50 x 1' 1/2 union | WNS03428 |
| G | Hydraulic connector kit - condenser outlet with tapping + gasket | R0611101 |
| H | Hydraulic connector kit - condenser inlet + gasket | R0611201 |
| | Inlet / outlet connector seals | WJW03580 |
| 69 | Polypropylene lower grate (Eden 6 to 8) | WIB03657 |
| 70 | Polypropylene lower face (Eden 6 to 8) | WIB03658 |
| 72 | Polypropylene upper grate (Eden 6 to 8) | WIB03659 |
| 73 | Double Ventilator shaft (Eden 6 to 8) | WTC03809 |
| 74 | Manometer front face panel (Eden 6 to 8) | WTC03810 |
| 75 | Right side door (Eden 6 to 8) | WTC03811 |
| 76 | Polypropylene upper face (Eden 6 to 8) | WIB03660 |
| 78 | Back panel (Eden 6) | WTC03813 |
| | Back panel (Eden 7/8) | WTC03775 |
| **Accessories** | | |
| | Remote control module EVK | WCE03827 |
| | Winter cover (Edenpac 6 to 8) | W20HOUSSEDEN6 |
| | Cleaning Kit HP | WMA03491 |

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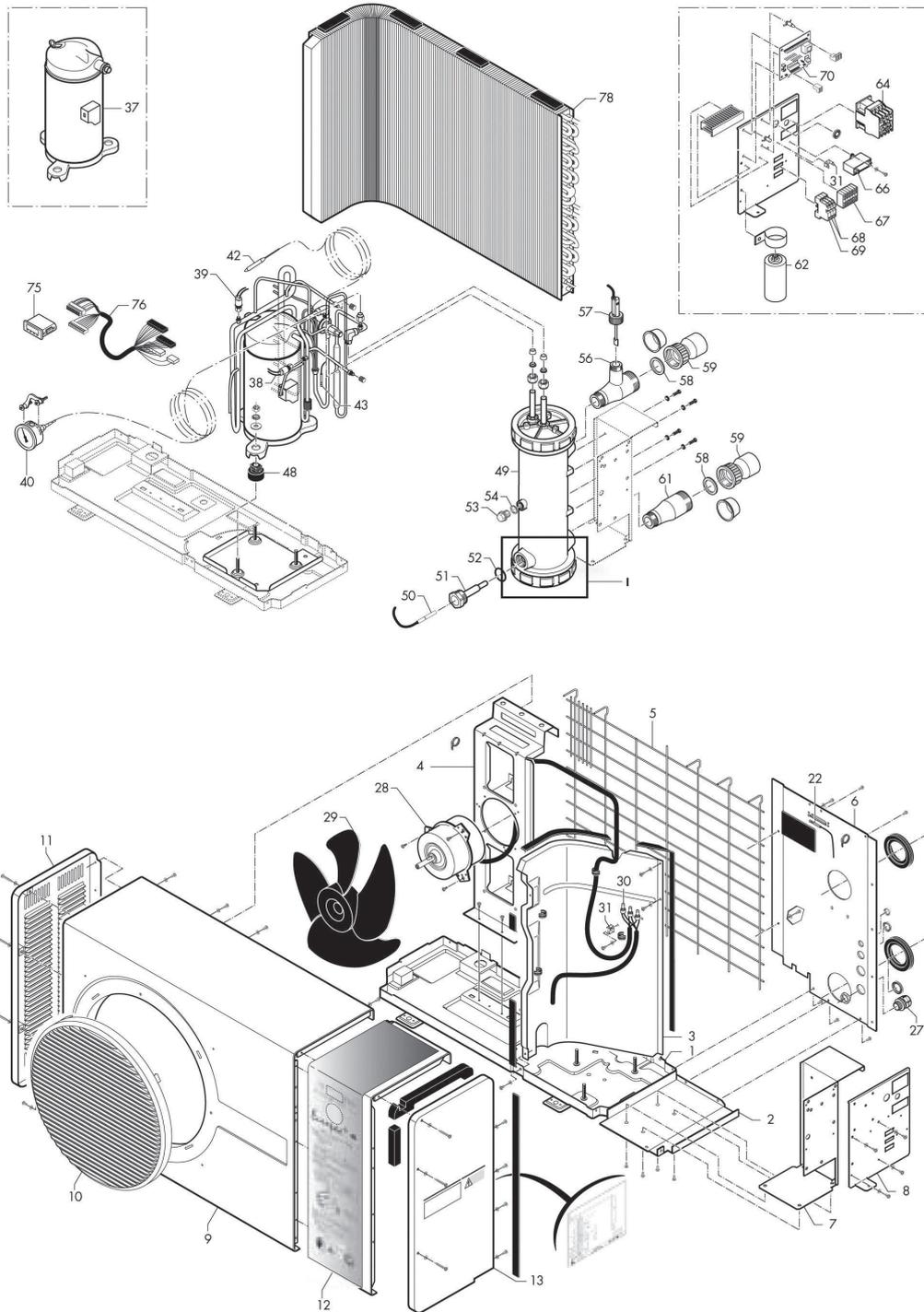
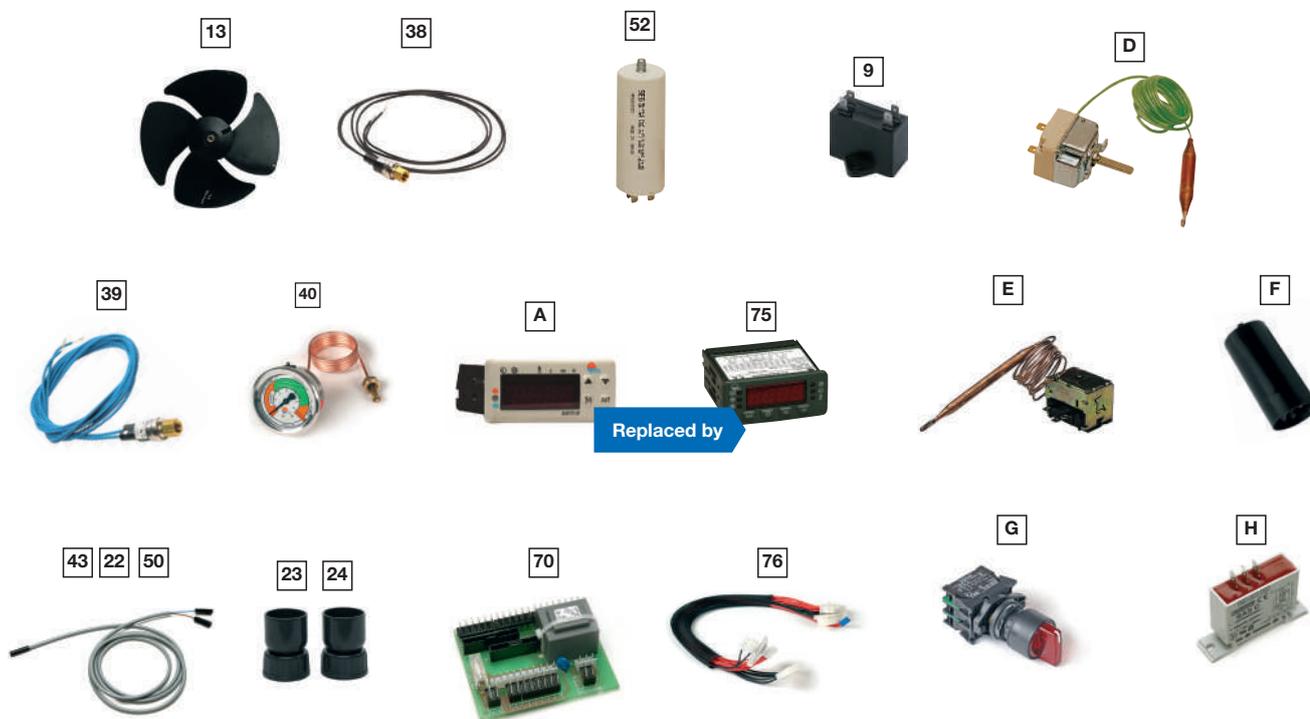| Position | Description | Reference |
|---|---|---|
| | **Electrical spare parts** | |
| 70 | Euro alpha FK A1 plate (since 2004) | WCE03553 |
| 75 | Euro alpha FK (MAP1) regulator (2004) | WCE03688 |
| 76 | Euro alpha FK connection braid | WCE03554 |
| | Display + card (replacing mini alpha Regul.) | WKITEUROALFA |
| 28 | Ventilator motor 19 TFB6055 | WTC02140 |
| | 2$\mu$F Capacitor | WSG01933 |
| 42/22/50 | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | WCE03850 |
| 57 | Noryl flow switch | WSK02022 |
| 62 | Compressor Condenser 40 µF C2 | B0181500A |
| 64 | Contactor compressor KM1 | WCF01113 |
| 66 | 2$\mu$F C1 capacitor | WSG01933 |
| | **Refrigerating spare parts** | |
| 37 | Compressor ZR22 single phase 3 feet | WTC03056 |
| | Compressor ZR22 single phase 4 feet | WCO02576 |
| 38 | HP Pressure switch* 20-26 B (to be screwed) | WJC01669 |
| 39 | LP Pressure switch* 0.5/2 B  (to be screwed) | WJC01668 |
| 40 | Flow manometer with capillary 407C | WTC03084 |
| 42 | Expansion valve TX3 N36 | WAC02499 |
| | Dehumidifier 053S | WCY00995 |
| | **Others** | |
| 29 | Fan | WTC02149 |
| 51/ 52 | Polyamide glove finger 1" | WIB01635 |
| | Polyamide glove finger 1" | WNS01779 |
| 56 | Condenser connection 7M without fixture (water outlet) | WIB01633 |
| 61 | Condenser connection 7M without fixture (water inlet) | WIB01634 |
| | Condenser connection joint, 24/31 joint thickness 4 | WJW01665 |
| 58 /59 | Set of 2 half-union connectors + gaskets 40/49 | W20RDU |
| 58 | Joint for 50 x 1' 1/2 union | WNS03428 |
| | Anti vibration pegs (to order by 4) | WAP03064 |
| I | Water condenser 7M kit (bolt + spire support + joint) | WKITGELCOND7M |
| | Plastic grooved condensation angle + cap | WKITCONDENSAT |

*All electric parts on single phased Heat Pumps are sold without condensers.
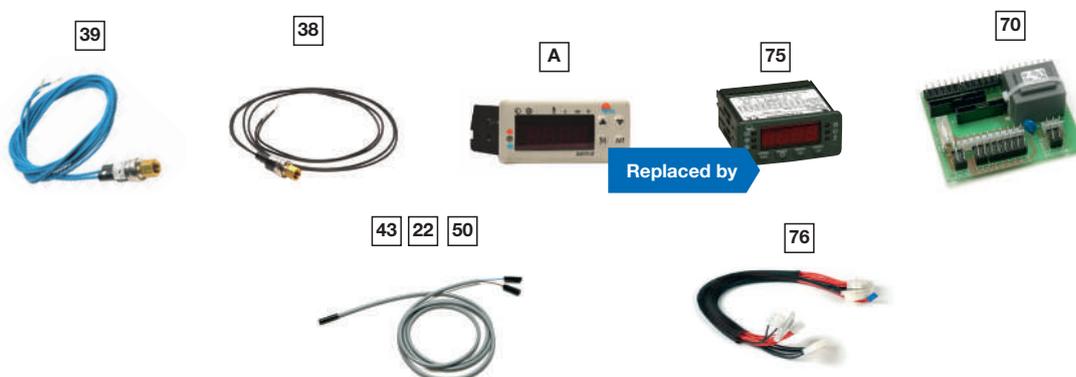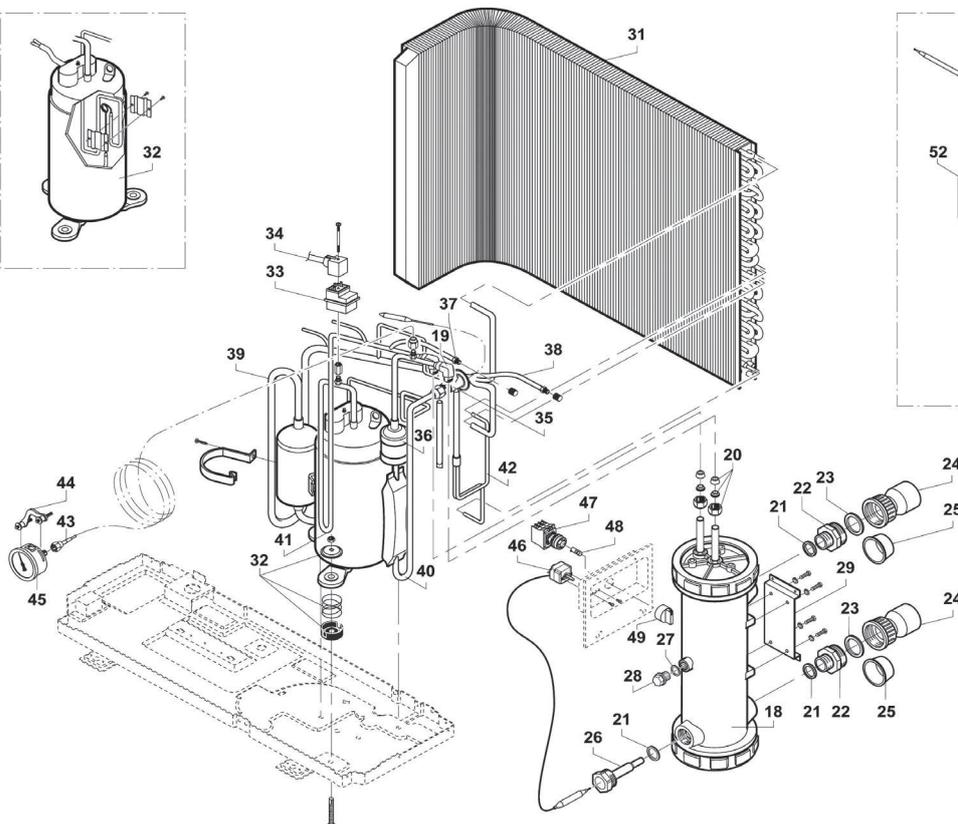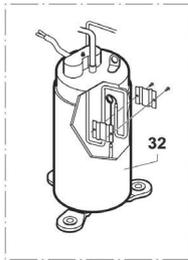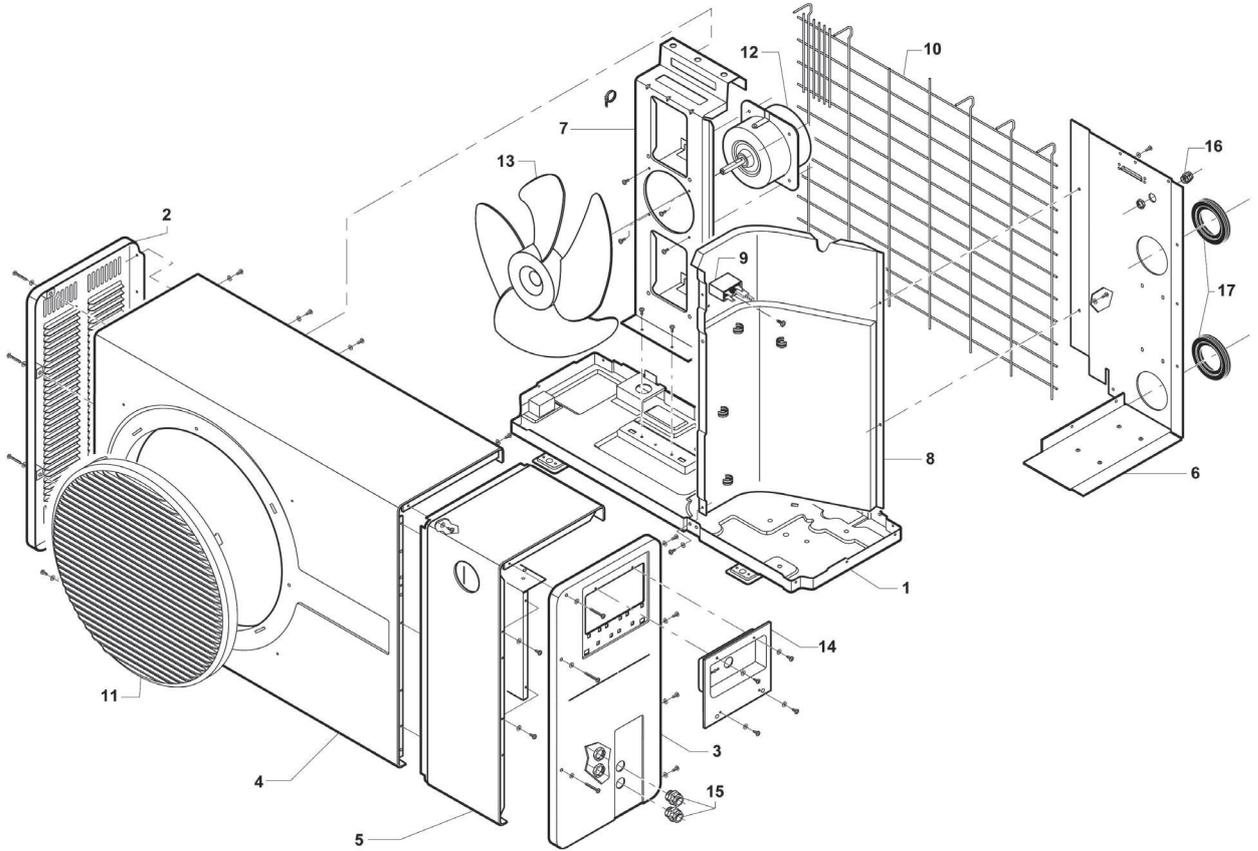


**Replaced by**

Ed. 01 du 02 2002

| Position | Description | Reference |
|---|---|---|
| | **Electrical spare parts** | |
| 12 | Ventilator motor 19 TFB6055 | WTC02140 |
| 52 | Compressor Capacitor 40 μF C2 | B0181500A |
| 9 | 2μF  Capacitor fan | WSG01933 |
| D | Regulation thermostat 16/40 B.10 | WEG01404 |
| E | Anti-freeze thermostat (with ECP 231) | WIN01645 |
| F | Starter Compressor condensers 125μF C5 | W20CA21 |
| G | Rotating On/Off switch with indicator | W20INTERE |
| H | Static timer 300 S KA3 | WCZ01370 |
| 53 | Contactor compressor KM1 | WCF01113 |
| 54 | Default relay KA2 | WTC02153 |
| | **Refrigerating spare parts** | |
| 40 | Flow manometer with capillary | WTC03084 |
| | Expansion valve TX3 N36 | WAC02499 |
| 36 | Dehumidifier 053S | WCY00995 |
| 33 | Pressostat HP 16/21Bars | WAC02495 |
| | **Others** | |
| 13 | Fan | WTC02149 |
| 23 /24 | Set of 2 half-union connectors + gaskets 40/49 | W20RDU |
| | Anti vibration pegs (to order by 4) | WAP03064 |

*All electric parts on single phased Heat Pumps are sold without condensers.
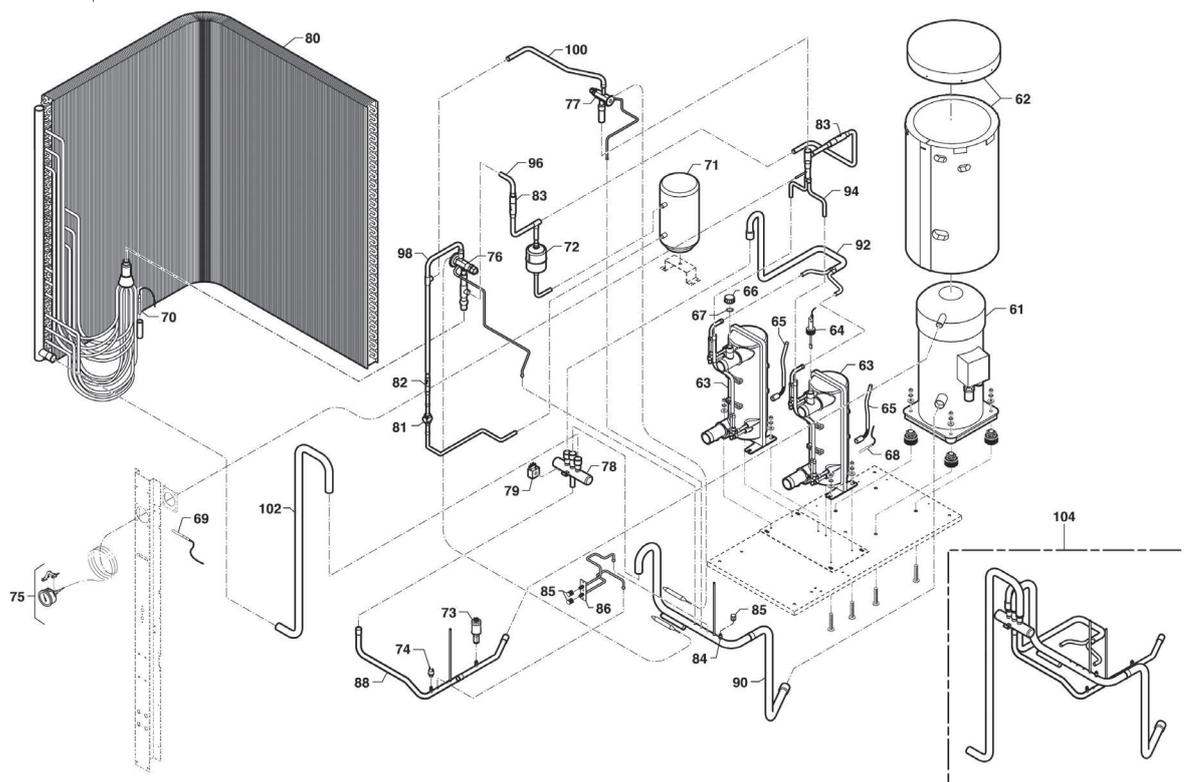
| Position | Description | Reference |
|---|---|---|
| | **Electrical spare parts** | |
| 12 | Ventilator motor 150W (Optipac 2, 3, 4, 7*) with fan | WTC02143 |
| | Ventilator motor 378 W (Optipac 10) | WTC02142 |
| | Ventilator motor 530W (Optipac 15 and 30) | WTC02144 |
| 64 | Noryl flow switch | WSK02022 |
| 47a | Timed regulator ECP 331 (2000 to 2003 model, grey connectors) | WCE01309 |
| A | Euro alpha FK (MAP1) regulator (2004) | WCE03688 |
| B | Euro alpha FK A1 plate (Optipac) (since 2004) | WCE03553 |
| C | Euro alpha FK connection plate for Optipac 30 and 15D (since 2007) | WCE03698 |
| | EVK Regulator for Optipac 15D & 30D (since 2011) | WCE03823 |
| | EVK Connection braid for Optipac 15D & 30D (since 2011) | WCE03824 |
| | EVK connection plate for Optipac 15D & 30D (since 2011) | WCE03825 |
| D | Euro alpha FK connection braid | WCE03554 |
| 53 | Compressor contactor* (Optipac 2, 3 single 7 three phase) 18A | WTC03085 |
| | Compressor contactor* (Optipac 3, 4 three phase) 9A | WTC03086 |
| | Compressor contactor (Optipac 15/30) 32A | WTC03087 |
| | Compressor contactor (Optipac 10) | WTC03088 |
| 54 | Fan contactor* (Optipac 2, 3, 4, 7) 9 A | WTC03089 |
| | Compressor contactor* (Optipac 3, 4 three phase) 9A | WTC03086 |
| 59 | Compressor Capacitor 50µf (Optipac 2) | B0181100A |
| | Compressor Capacitor 55µf (Optipac 3) | B0181700A |
| 60 | Fan Capacitor 4 µF (Optipac 2, 3 and 7) | WSG01938 |
| | Fan Capacitor 5 µF (Optipac 4) | WCE03714 |
| 65 | Defrosting sensor (grey) | WCE01312 |
| 68 | Temperature sensor (black) | WCE01311 |
| E | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | WCE03850 |
| F | NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | |
| G | Phase controller | WCZ01371 |
| 78 | 4-way valve Optipac 15D and 30D | WTC03948 |
| | Starter relay SPP5 | WGF02960 |
| | Anti-freeze thermostat (with ECP 231) | WIN01645 |
| | 4-way coil Optipac 15D et 30D | WTC03836 |
| | Transfo 400/230 V Optipac 15/30 | R06708 |
| | EVK pressure captor | WKE02150 |

| Position | Description | Reference |
|---|---|---|
| **Refrigerating spare parts** | | |
| 32 | Compressor ZR 34 407C (Optipac 2) | WCO02581 |
| | Compressor ZR 40 407C (Optipac 3 et 3D single phase) | WCO02590 |
| | Compressor ZR 40 407C (Optipac 3 tri) | WCO02687 |
| | ZR48 Compressor 407C (Optipac 4) | WCO02589 |
| | Compressor ZR81 407C (Optipac 7et 7D) | WCO02688 |
| | SZ100 Compressor S4VA 407C (Optipac 10) | WTC02864 |
| | Compressor MS161 S4AM 407C (Optipac 15/30, 15D and 30D) | WTC02138 |
| 33 | HP Pressure switch* 20-26 B (to be screwed) | WJC01669 |
| | LP Pressure switch* 0.5/2 B  (to be screwed) | WJC01668 |
| 35 | Expansion valve TX3 N36  (since 2003) | WAC02499 |
| | Expansion valve TX3 N38 (since 2003) | WAC02501 |
| | Expansion valve Optipac 2 and 3 (BIVE-2-1/2-GA-B15) SPORLAND before 2003 | WTC03886 |
| | SPORLAND Expansion valve Optipac 4 (EFVE-3-CP100) | WTC03887 |
| | SPORLAND Expansion valve Optipac 7 (SVE 4 CP100) | WTC03110 |
| | SPORLAND Expansion valve Optipac 10, 15 and 30 | WTC03888 |
| | Expansion valve TX7N15 (Optipac 15 et 30 D) | WAC02961 |
| | Dehumidifier 053S (Optipac 2, 3, 3D) | WCY00995 |
| | Dehumidifier 084S (Optipac 4, 7D) | WCY00997 |
| | Dehydrator 164S (Optipac 7, 10, 15, 30, 15D et 30D) | WCY00998 |
| 42 | Liquid indicator 34S | WCY01001 |
| 45 | Flow manometer with capillary 407C | WTC03084 |
| 63 | Condenseur 25KW for Optipac 15 et 30 | R06957 |
| | Flexible inlet manifold | W20COLPAC30EN06 |
| | Flexible outlet manifold | W20COLPAC30SO06 |
| | Flexible manifold bracket | WTC04006 |
| **Others** | | |
| 72 | Regulator access window | WTC02172 |
| 23 / 24 | Set of 2 half-union connectors + gaskets 40/49 | W20RDU |
| 23 | Joint for 50 x 1' 1/2 union | WNS03428 |
| 26 | Polyamide glove finger 1" | WIB01635 |
| | Condenser connection 7M without fixture (water inlet) | WIB01634 |
| | Condenser connection 7M without fixture (water outlet) | WIB01633 |
| 21 | Condenser connection joint, 24/31 joint thickness 4 | WJW01665 |
| | Anti vibration pegs (to order by 4) | WAP03064 |
| 100 | Quarter turn plastic button | WTC02171 |
| | 2 1/2 union connections Ø 63 + adjusters Ø 50 | W20RDU |
| | Plastic grooved condensation angle + cap | WKITCONDENSAT |
| | Water condenser 7M kit (bolt + spire support + joint) | WKITGELCOND7M |
| | Condenser outlet connector with tapping+gasket (before 2016) | R0611001 |
| | Condenser inlet connector with tapping+gasket (before 2016) | R0611301 |
| | 3 pieces connection kit diam. 90  (Optipac 30) | WIP03450 |
| **Accessories** | | |
| | Remote control module EVK | WCE03827 |
| | Cleaning Kit HP | WMA03491 |

*All electric parts on single phased Heat Pumps are sold without condensers.



35   45   64   47   61 64 65   68   100



A   B   C   D   E   F   G

# Optipac Defrost

Spare Parts

| Description | Reference |
|---|---|
| **Electrical spare parts** | |
| Euro Alpha FK regulator (since 2004) MAP 2 (Optipac)* | WCE03687 |
| Euro alpha FK speed regulation module (since 2004) ventilator 500W A2 | WCE03576 |
| Euro alpha FK A1 plate (Optipac) (since 2004) | WCE03553 |
| NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | WCE03850 |
| Euro alpha FK connection braid | WCE03554 |
| Regulator $\mu$ chiller (before 2004) | WTC02154 |
| Ventilation plate $\mu$ chiller A1 (before 2004) | WTC03604 |
| Connection plate $\mu$ chiller A2 (before 2004) | WTC03603 |
| Regulator sensor $\mu$ chiller (before 2004) | WTC03090 |
| **Refrigerating spare parts** | |
| Expansion valve TX3 N36 (on condenser | WAC02499 |
| Expansion valve TX3 N37 on evaporator | WAC02500 |
| Expansion valve TX3 N36 on condenser | WAC02499 |
| Expansion valve TX3 N39 on evaporator | WAC02753 |
| 4 channel vane kit | WTC03834 |

*All electric parts on single phased Heat Pumps are sold without condensers.

# Edenpac Defrost

| | Reference |
|---|---|
| **Electrical spare parts** | |
| Euro Alpha FK regulator (since 2004) MAP 8 (Eden 3/4/5/6 D) | WCE03687 |
| NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | WCE03850 |
| NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | |
| NTC sensor (water ST1, anti-freeze ST2 or defrosting temperature ST3) | |
| Euro alpha FK connection plate (since 2007) | WCE03698 |
| Euro alpha FK speed regulation module (since 2004) ventilator 500W A2 | WCE03576 |
| EVK Regulator (since 2011) | WCE03823 |
| EVK pressure captor | WKE02150 |
| EVK speed regulation card | WCE03826 |
| EVK Connection braid (since 2011) | WCE03824 |
| EVK connection plate (since 2011) | WCE03825 |
| Remote control module EVK | WCE03827 |
| Defrosting contact sensor | WCE03716 |
| Condenser anti-freeze resistance | WTC03842 |
| Edenpac carter resistance kit, optional (Edenpac Defrosting) | WKITRESCARTER |
| **Refrigerating spare parts** | |
| 4 channel vane (Eden 3D/4D/5D) | WTC03832 |
| 4 channel vane (Eden 6D) | WTC03833 |
| 4-way coil 230V | WTC03836 |
| Expansion valve Eden 3D | WTC03848 |
| Expansion valve Eden 4D/5D BBIZE4 adjustable | WTC03847 |
| Byflow expansion valve (Eden 6D) BBIZE6 | WTC03831 |
| Byflow dehydr. filter (Eden 3/4/5 D) | WDA01388 |
| Byflow dehydr. filter (Eden 6D) | WDA01389 |
| Condenser 16kW for Edenpac 3D | R06955 |

*All electric parts on single phased Heat Pumps are sold without condensers.

# Red Line et RE/DC

Spare Parts

| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| 4 | Safety thermostat 63° | WIN01641 |
| 6 | Noryl Flow Switch | WSK02015 |
| 7 | Elec. connection terminals | WCC01289 |
| 9 /8 | Shunt for switching from three to single phase except 12 kW | WCC01287 |
| | Shunt for switching from three to single phase except 12 kW | WCC01288 |
| 10 | contactor DILM9-10 | WCF01066 |
| 11 | ECP 200 Regulator** (or EVX 402) | WCE02684 |
| 27 | Sticker for electrical box front panel | WSR02733 |
| 20 / 21 / 19 | Elbowed resistance 3 kW titanium + joint | WKITRES3C |
| | Elbowed resistance 6 kW titanium + joint | WKITRES6C |
| | Elbowed resistance 9 kW titanium + joint | WKITRES9C |
| | Elbowed resistance 12 kW titanium + joint | WKITRES12C |
| 31 | Extraction sensor | WCE01311 |
| A | Regulation thermostat 16/40 B.10 | WEG01404 |
| B | Digital regulator ECP 230 (ECP 233 replacement) | WCE01307 |
| | Red Line orange on/off switch | WSX03025 |
| **Others** | | |
| 21/ 1 | Red Line base (+gasket) | WIB02691 |
| 2 | Red Line cover + adhesive | WKITCAPOTRDE |
| 22 | Red Line body 3 kW, 6 kW | WIB01596 |
| 21 | Moulded joint 752 X 4 | WJW01662 |
| 23 | Joint 66.27 x 3.53 | WJW01661 |
| 21 / 22 | Red Line body 9 kW, 12 kW | WIB01597 |
| 21 | Moulded joint 752 X 4 | WJW01662 |
| 23 | Joint 66.27 x 3.53 | WJW01661 |
| 24/25/26 | 2 1/2 union connections Ø 63 + adjusters Ø 50 | W40RDU |

* For all orders for spare parts please give the serial number of the heater.
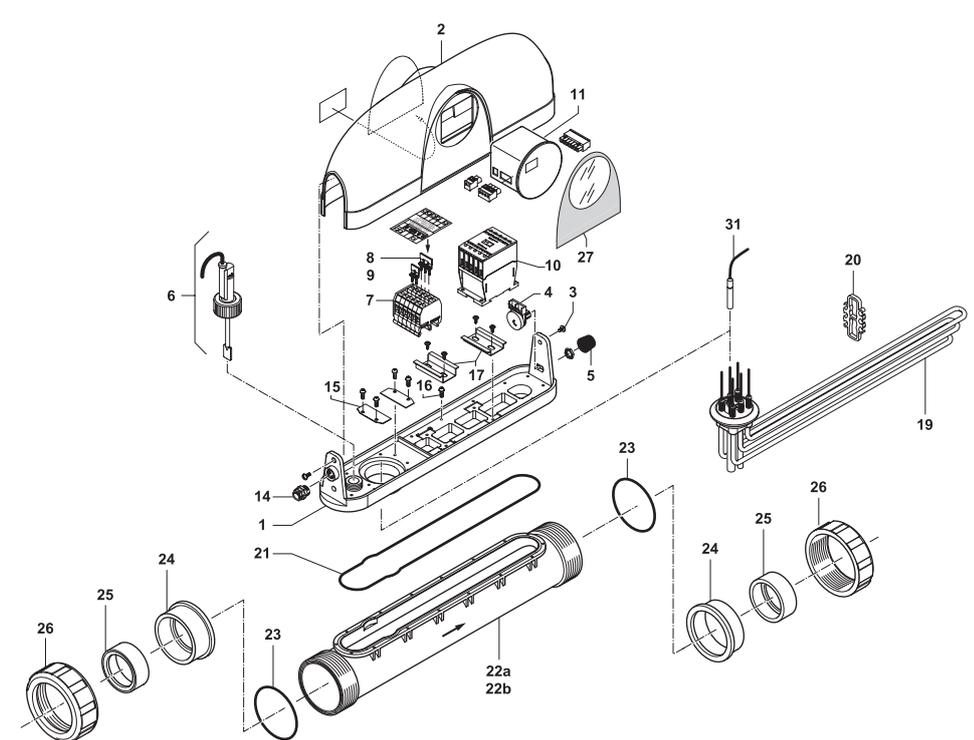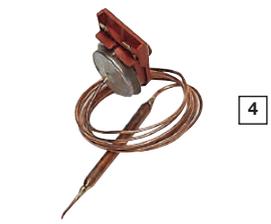
| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| 1 | Regulation thermostat 16/40 B.10 | WEG01404 |
| 2 | Red Line orange on/off switch | WSX03025 |
| 3 | Noryl flow switch | WSK02022 |
| 4 | Safety thermostat 63° | WIN01641 |
| 7 | Elec. connection terminals | WCC01289 |
| 9 /8 | Shunt for switching from three to except 12 kW single phase | WCC01287 |
| | Shunt for switching from three to except 12 kW single phase | WCC01288 |
| 10 | Contactor DILM9-10 | WCF01066 |
| 11/12 | Straight resistance kit 3 kW titanium + spacer | WKITRES3D |
| | Straight resistance kit 6 kW titanium + spacer | WKITRES6D |
| | Straight resistance kit 9 kW titanium + spacer | WKITRES9D |
| | Straight resistance kit 12 kW titanium + spacer | WKITRES12D |
| A | Three phase safety thermostat | WEG01407 |
| B | Regulation thermostat 16/40 bulb Ø 6 mm | WEG01405 |
| C | Pressure switch 153 ml/b | WCE03365 |
| **Others** | | |
| 13 | Body RE/L3 and 6 kW | WIB01606 |
| | Body RE/L9 and 12 kW | WIB01605 |
| 19/15 | 2 1/2 union connections Ø 63/50 | W40RDL |
| 24/16 | Height adjuster + joint | R07233 |
| 17 | Box | WIB01612 |
| 14 | Split left/right nut | WIB01608 |

\* For all orders for spare parts please give the serial number of the heater.
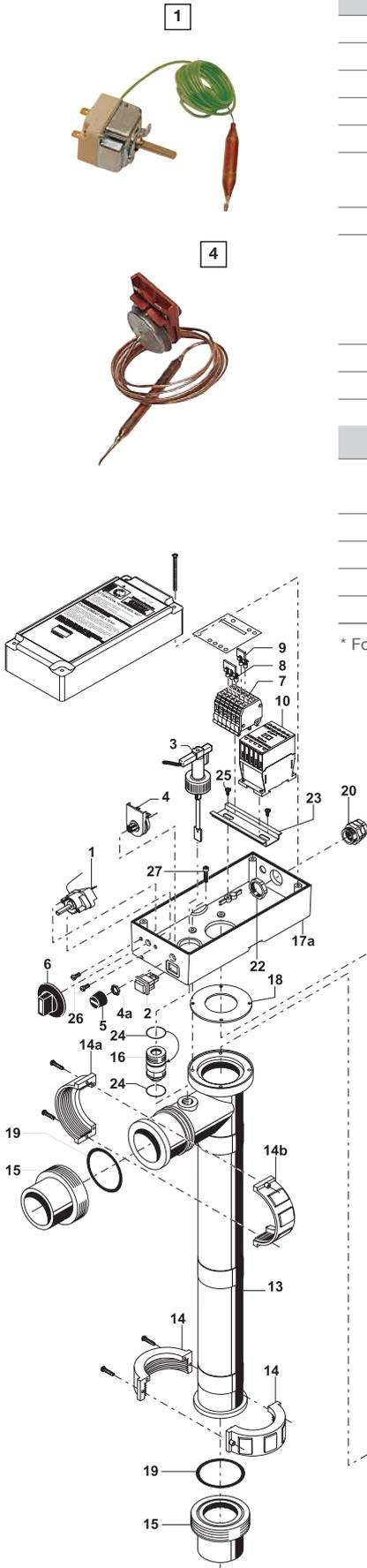
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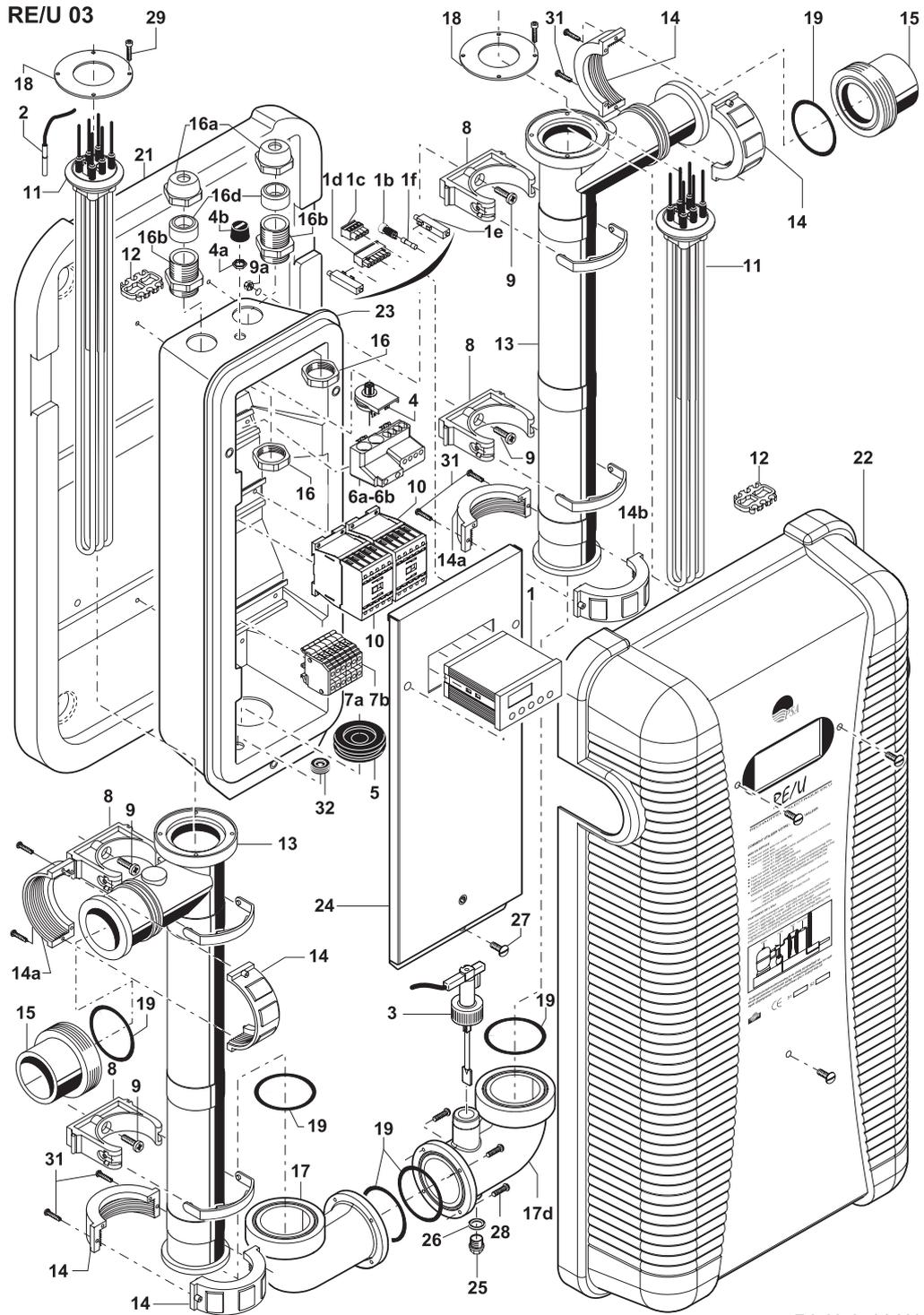


Ed. 03 du 04 2009

| Position | Description | Reference |
|---|---|---|
| | **Electrical spare parts** | |
| 1 | Timed regulator ECP 230 (RE/U RE/I) 2 channels | WCE01307 |
| 2 | Digital thermostat sensor PTC 100 | WCE01311 |
| 3 | Noryl flow switch | WSK02022 |
| | Stainless steel flow switch (RE/I) | WSK02014 |
| 4 | Safety thermostat 63° (RE/U, RE/I) | WIN01641 |
| | Safety thermostat 63° (from RE/I 60) | WUN02423 |
| 6 | Star point (RE/U) | W40PERU |
| 7 | Elec. connection terminals (RE/U) | WCC01293 |
| 10 | Contactor DILM 9-10 (RE/U RE/I 30kW to 48kW) | WCF01066 |
| 12/11 | Straight resistance kit (RE/U) 3 kW titanium + spacer | WKITRES3D |
| | Straight resistance kit (RE/U, RE/I) 6 kW titanium + spacer | WKITRES6D |
| | Straight resistance kit (RE/U, RE/I) 9 kW titanium + spacer | WKITRES9D |
| | Straight resistance kit (RE/U, RE/I) 12 kW titanium + spacer | WKITRES12D |
| A | Basic digital regulator EVK 411 | WCE02925 |
| B | Digital thermostat transformer | WCE01305 |
| | Contactor RE/I g.p DILM 40 (RE/I 60/72) | WCF01064 |
| | Contactor RE/I g.p DILM 50 (RE/I 84/96) | WCF01070 |
| | Contactor RE/I g.p DILM 65 (RE/I 108/120) | WCF01071 |
| | On/Off switch, green light (RE/U) | WSX02010 |
| | Light (RE/U, RE/I) | WSX03023 |
| | **Others** | |
| | 2 1/2 union connectors Ø 63 RE/I | W20RDU1 |
| | RE/I cover medium power | WRB01856 |
| | RE/I cover high power | WRB01855 |
| 13 / 14 / 17 / 18 / 19 | RE/U polyamide body | W40CORREU |
| 19/15 | 2 1/2 union connections Ø 63/50 RE/U | W40RDL |

* For all orders for spare parts please give the serial number of the heater.

HEAT LINE +
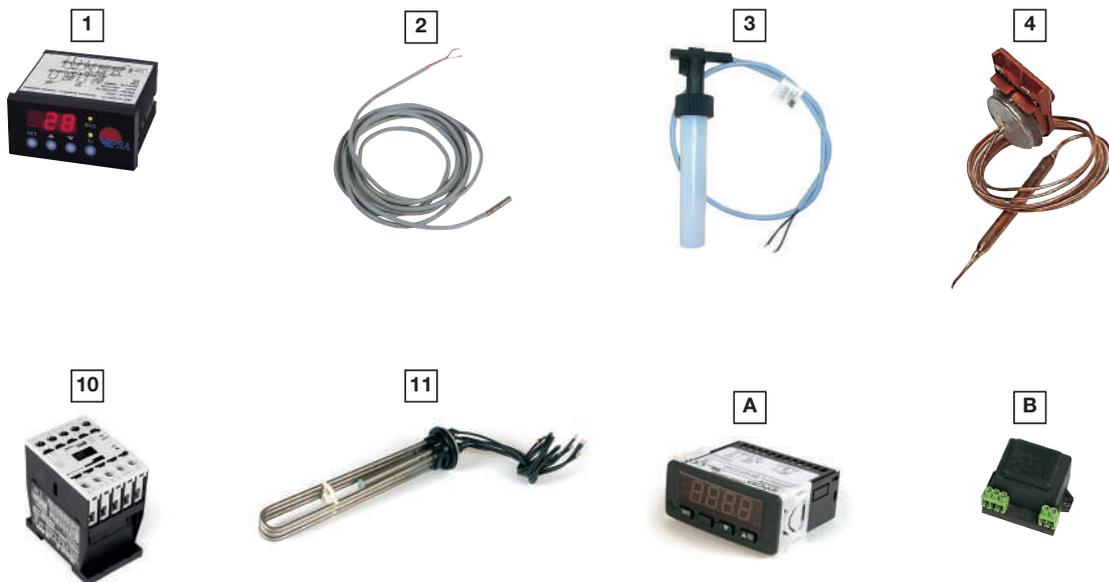
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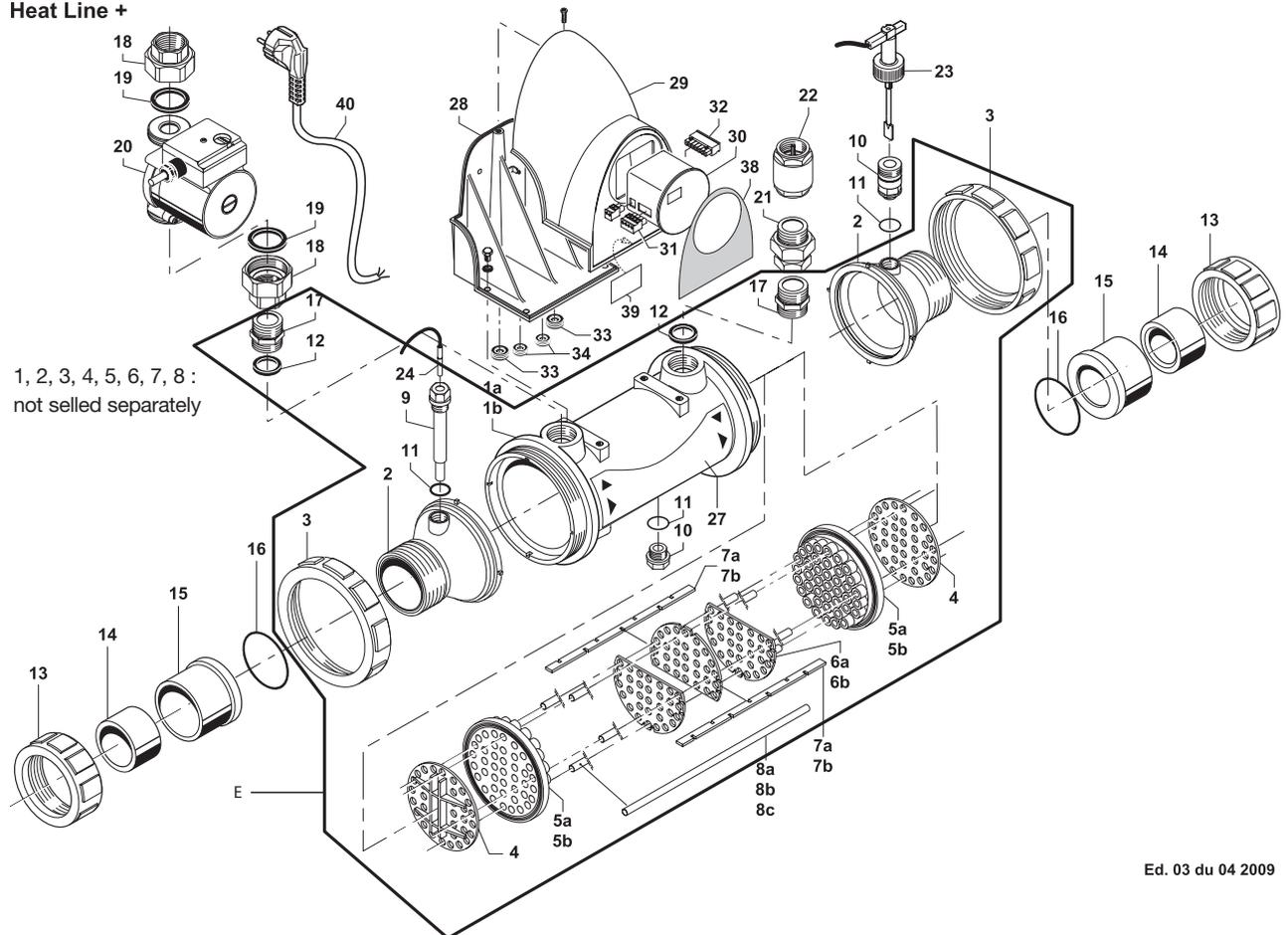
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Ed. 03 du 04 2009

| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| 20 | Circulator EC/C, EC/K, Heat Line + set of 2 connection pieces 26/34 and joints | R07122 |
| 18 19 | Set of 2 connection pieces 26/34 and joints | WGR01540 |
| 23 | Noryl flow switch | WSK02022 |
| 24 | Extraction sensor | WCE01311 |
| 30 | ECP 200 Regulator** (or EVX 402) | WCE02684 |
| 38 | Sticker for the electrical box front panel | WSR02735 |
| 23 10 42 | Electric box (Heat Line+) and height adjuster with flow switch | W49COFKT |
| A | Digital regulator ECP 230 | WCE01307 |
| B | Aquastat 16/40° with glove finger 15/21M (unequipped HEAT LINE) | W20KD02 |
| C | Regulation thermostat 16/40 B.10 mm | WEG01404 |
| D | Regulation thermostat 16/40 bulb Ø 6 mm | WEG01405 |
|  | Digital regulator EVK411 | WCE02925 |
| **Others** | | |
| 21 | 3 Pieces connection 26/34 | WMO01713 |
| 11 / 9 | Threaded polyamide glove finger 15/21 male + gasket | R07236 |
| 11 /10 | Height adjuster + joint | R07233 |
| 13 / 14 / 15 / 16 | 2 1/2 union connections Ø 63 + adjusters Ø 50 | W40RDU |
| 22 | Check valve 26/34 | WCL03431 |
| 11 25 | Cap kit 15/21 | R06107 |
|  | Heat Line cover with sticker | WIB02695 |
| E | 20 kW TITANIUM tank without valve 26/34 | WKITCUVE20KT |
| E | 40 kW TITANIUM tank without valve 26/34 | WKITCUVE40KT |
| E | 70 kW TITANIUM tank without valve 26/34 | WKITCUVE70KT |
|  | Flat glove finger (non threaded) + pierced and joint | WKITDGT |
|  | Cap 20/27 Female without hole | WNS01751 |
|  | Joint 20/27 | WNS01780 |

\* For all orders for spare parts please give the serial number of the exchanger.

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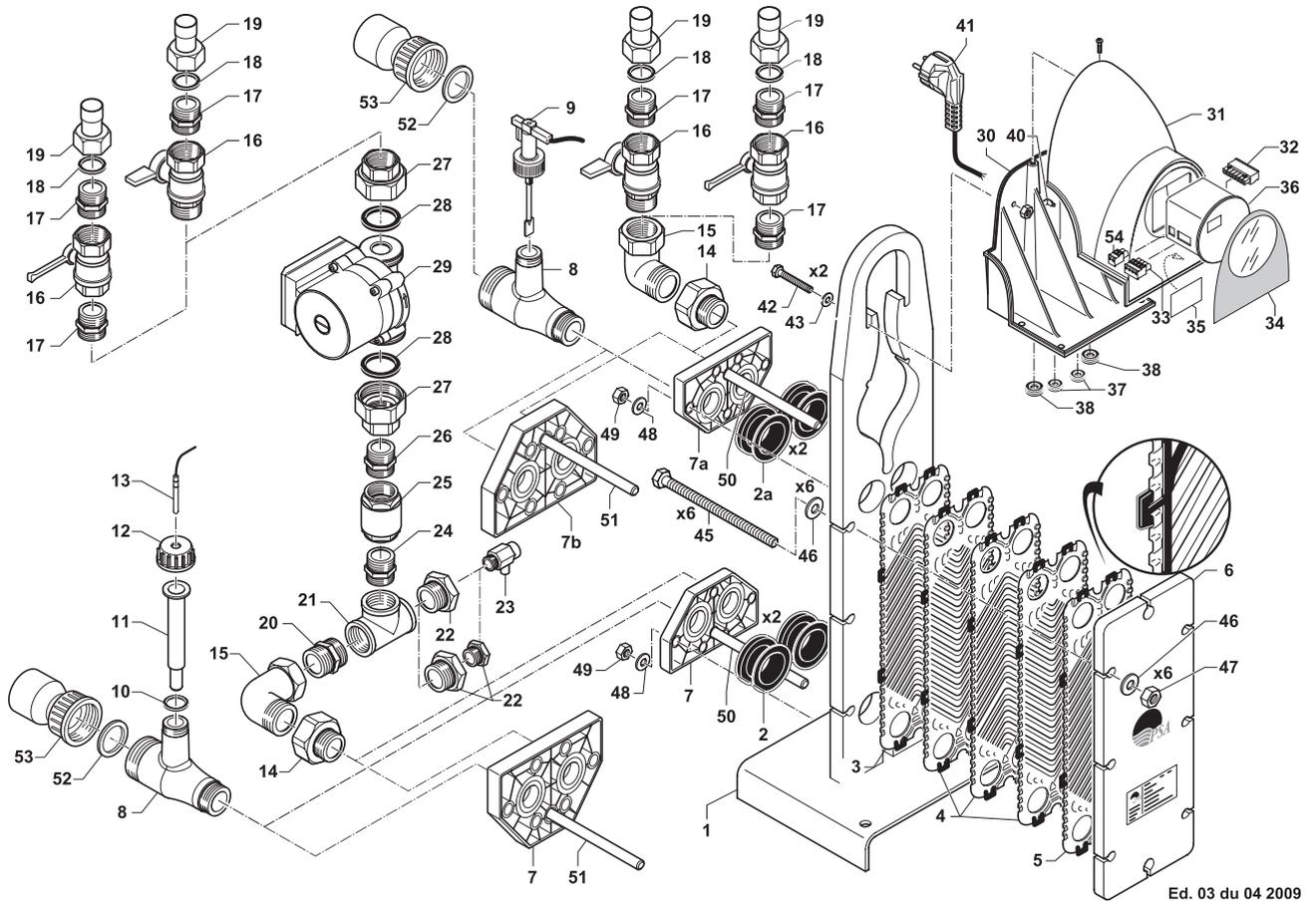
| Position | Description | Reference |
|---|---|---|
| | **Electrical spare parts** | |
| 9 | Noryl flow switch | WSK02022 |
| 13 | Digital thermostat sensor PTC 100 (before 2015) | WCE01311 |
| 29 | Circulator UP35/70 + Set of 2 connection pieces 26/34 and joints | R07120 |
| | Circulator UAP35/70/120 + Set of 2 connection pieces 26/34 and joints (after 2015) | R07121 |
| 27 / 28 | Set of 2 connection pieces 26/34 and joints | WGR01540 |
| 27 /28 | Set of 2 connection pieces 33/42 and joints | WGR01541 |
| 36 | ECP 200 Regulator** (or EVX 402) | WCE02684 |
| 34 | Sticker for the electrical box front panel | WSR02735 |
| A | Digital regulator ECP 230 | WCE01308 |
| B | Basic digital regulator FK 151 | WCE02925 |
| C | Digital thermostat transformer | WCE01305 |
| D | Electric box with flow switch and sensor | W49COFUR |
| | **Plates UP35/70 & UAP35/70/120** | |
| 3 | Titanium input plate T2* | WCV01183 |
| | **Plates UP35/70 & UAP35/70/121** | |
| 4 | Titanium intermediate plate T2* | WCV01185 |
| | **Plates UP35/70 & UAP35/70/122** | |
| 5 | Titanium output plate T2* | WCV01187 |
| | **Plates UP120/240 & UAP240** | |
| 3 | Titanium input plate M3* | WCV01184 |
| | **Plates UP120/240 & UAP241** | |
| 4 | Titanium intermediate plate M3* | WCV01186 |
| | **Plates UP120/240 & UAP242** | |
| 5 | Titanium output plate M3* | WCV01188 |
| | **Plates UP 105 & 140** | |
| 3 | Titanium input plate V4 | WCV01178 |
| | **Plates UP 105 & 141** | |
| 4 | Intermediate plate V4 | WCV01168 |
| | **Plates UP 105 & 142** | |
| 5 | Titanium output plate V4 | WCV01181 |
| | **Plates ECP or EC/PP 200** | |
| 3 | Titanium input plate V8 | WCV01179 |
| | **Plates ECP or EC/PP 201** | |
| 4 | Intermediate plate V8 | WCV01170 |
| | **Plates ECP or EC/PP 202** | |
| 5 | Titanium output plate V8 | WCV01182 |
| | **Others** | |
| 2 | Sleeve joint EPDM (UP 35/70) | WCV01171 |
| | Sleeve joint EPDM (UP 120/240) | WCV01172 |
| 7 | Plastic collar UP 35-70 + 2 x gaskets 24/31 + UAP 35-70-120 | R07235 |
| | Plastic collar UP 120-240 + 2 x gaskets 24/31 + UAP240 | R07234 |
| 8 | Condenser connection 7M without fixture (water outlet) | WIB01633 |
| 10 / 11 /12 | Flat glove finger (non threaded) + pierced and joint 20/27 | WKITDGT |
| 12 | Cap 20/27 Female without hole | WNS01751 |
| 10 | Joint 20/27 | WNS01780 |
| 25 | Check valve 26/34 | WCL03431 |
| 52 /53 | Set of 2 half-union connectors + gaskets | W20RDU |

* For all orders for spare parts please give the serial number of the exchanger.

# Wall Mounted boilers

Spare Parts
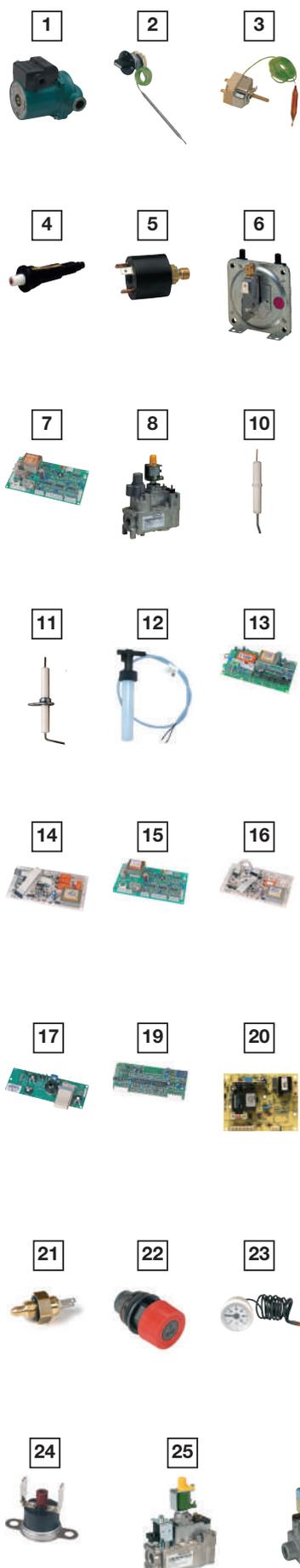
| Position | Description | Reference |
|---|---|---|
| | | |
| 1 | Circulator 20-70 6H (CM-CMV) before 2004 | WUN02384 |
| | Circulator (from 2004) | WUN03619 |
| 2 | Regulation thermostat pool (model 93 and 94) B.6 | WEG01405 |
| 3 | Regulation thermostat pool (from 95) B.10 | WEG01404 |
| 5 | Water pressure switch (before 2004) | WUN02441 |
| 6 | Smoke safety pressure switch (CMV 24) | WUN02432 |
| 7 | Electronic plate (CMV24) before 2002 | WUN02411 |
| 10 | Piezo starter electrode | WUN02394 |
| 11 | Starter/ionisation electrode | WUN02436 |
| 12 | Noryl flow switch | WSK02022 |
| 13 | Electric plate CMV from 2004 | WUN03608 |
| 14 | Electric plate (CMV) from 2002 | WUN03041 |
| 15 | Electronic plate (CM24) before 2002 | WUN02410 |
| 16 | Electric plate (CM) from 2002 | WUN03061 |
| 17 | Command plate (CMV) from 2004 | WUN03606 |
| | Electric plate (CM - CMV) from 2002 | WUN03040 |
| 19 | Lighter plate (CMV) from 2004 | WUN03607 |
| 20 | Electronic lighter plate | WUN02409 |
| 21 | Primary circuit sensor (before 2004) | WUN02433 |
| 22 | Safety valve head | WUN02420 |
| 23 | Primary circuit thermometer for facade | WUN02440 |
| 24 | Smoke safety thermostat (CM) | WUN02414 |
| 25 | Electronic lighting gas vane (605 N VR4605N | WUN02425 |
| 26 | Gas vane CMV from 2004 (845 SIGMA) | WUN03605 |
| 27 | Pilot + support (CM) | WUN02417 |
| | Pilot + support (CMV) | WUN02418 |
| 28 | Primary circuit sensor (before 2004) | WUN03616 |
| 29 | Lighter transformer (from 2004) | WUN03620 |
| 31 | Primary circuit water manometer for facade | WUN02434 |
| | 90° concentric angle Ø 100 | WUN02388 |
| | 1m concentric extension Ø 100 | WUN02415 |
| | Safety Klixon 105° C AE (before 2004) | WUN03060 |
| | Safety Klixon 105° C for pilot | WUN02404 |
| | Ventilator motor (CMV24) | WUN03062 |
| | Protection basket | WUN02442 |
| | Safety Klixon 105° C (before 2004) | WUN03618 |
| | Automatic purger | WUN02438 |
| | Remote relay 220 Volts | WCF02710 |
| | Thermocouple | WUN02422 |
| | Water pressure switch | WUN03617 |
| | Boiler tank | WKITCUVE40KT |
| | Pool temperature sensor (from 2004) | WUN03610 |

# Eurogaz Boilers

| Position | Description | Reference |
|---|---|---|
| | ZODIAC® 2020 | |
| 1 | Circulator 20-27 12 M (EUROGAZ) | WUN03063 |
| | Double circuit circulator 2m3 25/40 | W49CC4 |
| 2 | Heating sensor (before 2004) | WUN02433 |
| 3 | Regulation thermostat B.10 | WEG01404 |
| 4 | Primary circuit thermometer for facade | WUN02440 |
| 5 | Water pressure switch | WUN02441 |
| 6 | Smoke safety pressure switch | WUN02432 |
| 7 | Electronic plate before 2002 | WUN02411 |
| 9 | Lighter plate | WUN02431 |
| 10 | Potentiometer heating regulation | WUN02412 |
| 11 | Starter/ionisation electrode | WUN02436 |
| 12 | Relay (220 V) 0006  double contacts | WCF02711 |
| 13 | Remote relay 220 Volts triple contacts | WCF02710 |
| 14 | Noryl flow switch | WSK02022 |
| 15 | Safety Klixon 105° C AE (before 2004) | WUN03060 |
| 16 | Primary circuit water manometer for facade | WUN02434 |
| 17 | Electric plate (CMV) from 2002 | WUN03041 |
| | Switch on/off 2 positions | WUN02385 |
| | Switch on/off 3 positions | WUN02386 |
| | 1m concentric extension Ø 100 | WUN02415 |
| | Protection basket | WUN02442 |
| | Ventilator motor | WUN03066 |
| | 90° concentric angle Ø 100 | WUN02388 |
| | Automatic purger | WUN02438 |
| | Safety valve head | WUN02420 |
| | Expansion tank double circuit (4L) | WIS01648 |
| | Burner safety rearming button | WUN02445 |
| | Boiler tank | WKITCUVE40KT |
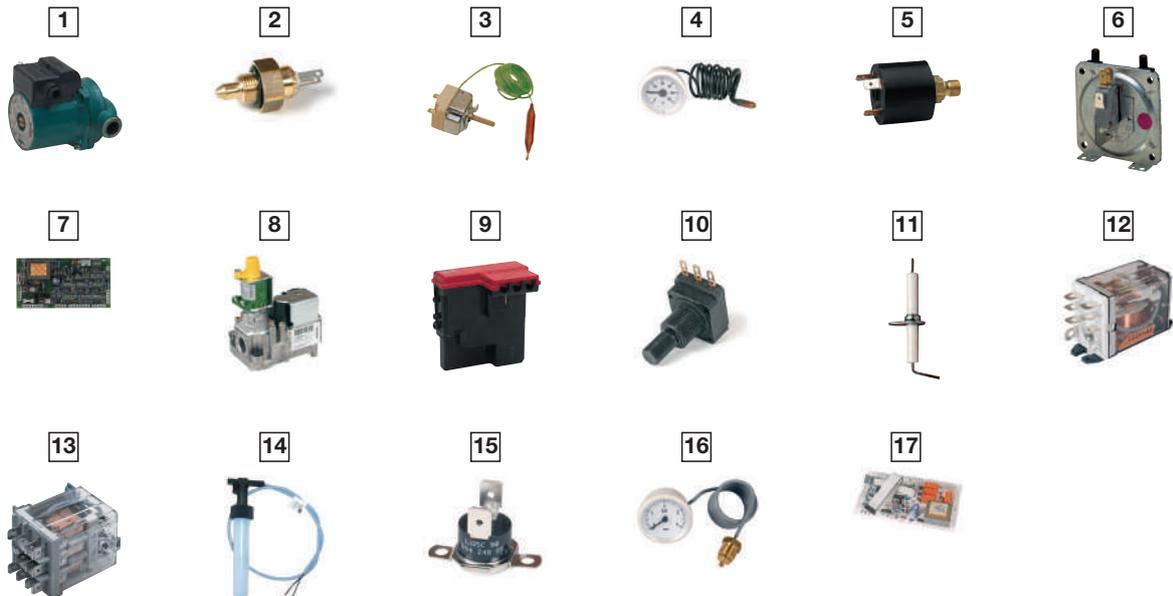
# Floor Boilers

Spare Parts

## Floor boilers  C21, C31, C43, C54, C76, C8

| Position | Description | Reference |
|---|---|---|
| 1 | Circulator 25/40 (C21, C31, C43, C54) | W49CC4 |
| | Circulator 25/60 (C76, C8) | W49CC6 |
| 2 | Manometer valve 15/21 | WIS01651 |
| 4 | Pilot gas vane (C54, C76, C8) | WUN02428 |
| | Pilot gas vane (C21, C31, C43) | WUN02426 |
| | Gas safety pressure switch (C76 C8) | WUN02439 |
| 6 | Thermocouple | WUN02422 |
| 8 | Safety Klixon (105°) | WUN02406 |
| 9 | Primary thermostat 30/90° | WUN02423 |
| | Expansion tank double circuit (4L) | WIS01648 |
| | Piezo starter electrode | WUN02394 |
| | Regulation thermostat bulb 6 | WEG01405 |
| | Lighter transformer (from 2004) | WUN03620 |

# Floor boilers C22, C32, C42, C62, C72

| Position | Description | Reference |
|---|---|---|
| 1 | Circulator 25/40 (C22, C32, C42) | W49CC4 |
| | Circulator 25/60 (C72) | W49CC6 |
| 2 | Manometer valve 15/21 | WIS01651 |
| | Pilot gas vane (C22, C32, C42) | WUN02426 |
| 6 | Thermocouple | WUN02422 |
| 8 | Safety Klixon (105°) | WUN02406 |
| | Gas safety pressure switch (C72) | WUN02439 |
| 9 | Primary thermostat 30/90° | WUN02423 |
| 10 | Electronic lighter gas vane (C22, C32, C42) VK4105C | WUN02427 |
| 11 | Electronic lighter plate (C22, C32, C42) | WUN02408 |
| 12 | Electronic lighter electrode (C22, C32, C42, C62, C72) | WUN02392 |
| | Ionisation electrode | WUN02435 |
| | Piezo starter electrode | WUN02394 |
| 14 | Smoke safety thermostat | WUN02437 |
| 15 | Noryl flow switch | WSK02022 |
| 16 | Klixon (105°) manual rearming | WUN02407 |
| | Electronic lighter plate (C72) | WUN02409 |
| 19 | Remote relay 220 Volts | WCF02710 |
| 20 | Connection plate | WUN03621 |
| 29 | Lighter transformer (from 2004) | WUN03620 |
| | White plastic button | WUN02387 |
| | Lighter plate C62 | WUN03609 |
| | Regulation thermostat B.10 | WEG01404 |
| | Pilot gas vane (C72) V4400C | WUN02428 |
| | Expansion tank double circuit (4L) | WIS01648 |
| | Boiler tank C32 | WKITCUVE40KT |
| | C42 - C62 - C72 Boiler tank | W49CUVE70CG |

# Sirocco & DT 850

Spare Parts
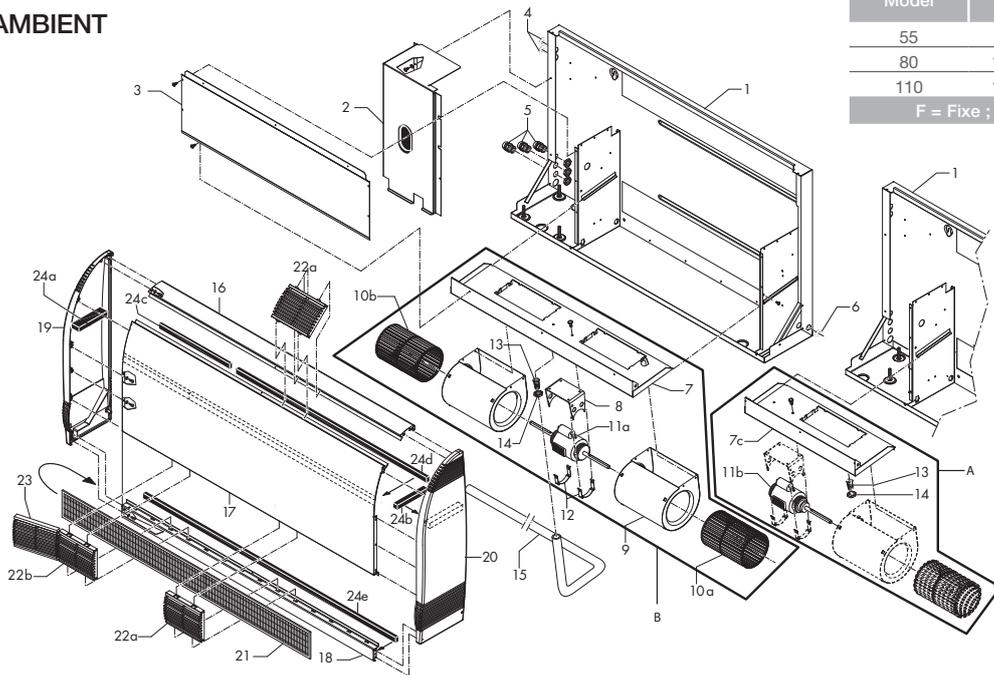
| Model | Ambient | Throught-the-wall |
|-------|---------|-------------------|
| 55 | 8F + 1M | 4F + 1M |
| 80 | 10F + 1M | 6F + 1M |
| 110 | 12F + 1M | 8F + 1M |
| F = Fixe ; M = Mobile + Fixe | | |

## AMBIENT

## THROUGH-THE-WALL
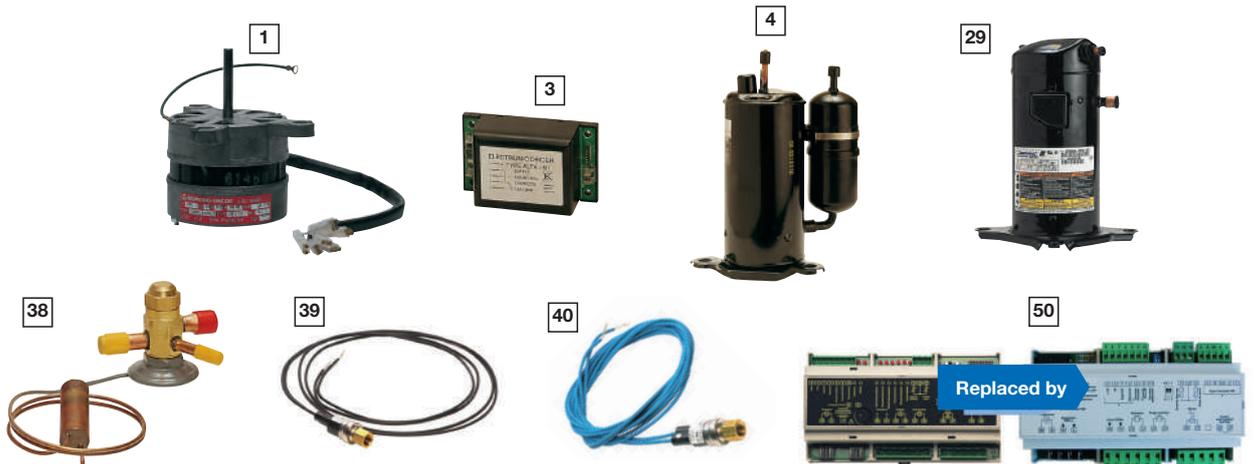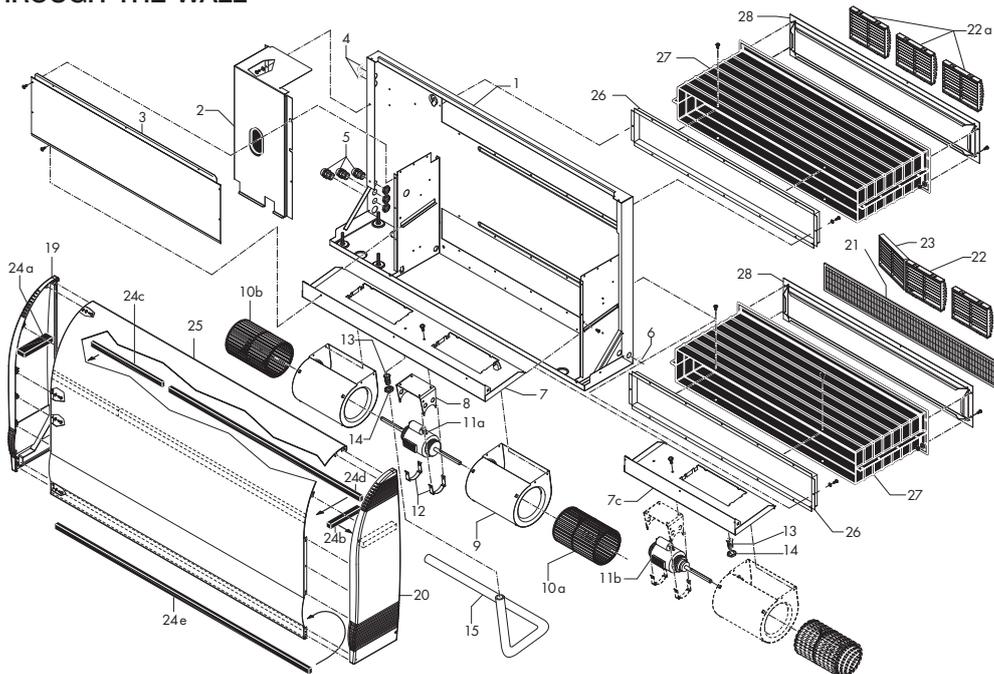


**Replaced by**

## Sirocco 55, 80, 110

| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| | Defrosting sensor (grey) | WCE01312 |
| | Extraction sensor | WCE01311 |
| | Resistance ( electric heating option) - Sirocco 55 - 2KW | WEG01422 |
| | Resistance ( electric heating option) - Sirocco 80 - 3KW | WEG01423 |
| | Resistance ( electric heating option) - Sirocco 110 - 4,5kW | WEG01424 |
| 50 | Regulator ECP 600 | WCE06000 |
| | Compresor Capacitor 25µf C2 (SIROCCO 55) | B0181300A |
| | Compresor alu Capacitor 35µf (SIROCCO 80) | B0181400A |
| | Compressor Capacitor 40 µF C2 (SIROCCO 110) | B0181500A |
| | Fan Capacitor 3µf (SIROCCO 55, 80, 110) | WSG01935 |
| | Ventilation set (SIROCCO 55) | WTC03074 |
| B | Ventilation set (SIROCCO 80) | WTC03075 |
| | Ventilation set (SIROCCO 110) | WTC03076 |
| C | Hygro control + sensor** | WD000001 |
| | Hygro control sensor | WCE03431 |
| D | Standard wall hygrostat | WCE01314 |
| | Phase controller | WCZ01371 |
| **Refrigerating spare parts** | | |
| 29 | Compressor (SIROCCO 55) RK5512C single ph. | WTC03071 |
| | Compressor (SIROCCO 80) Mitsubishi RE247VHSMT single ph. | WTC03080 |
| | Compressor ZR22 single phase 407C 4 feet | WCO02576 |
| | Compressor (SIROCCO 110) 3 ph. | WCO03848 |
| 38 | Expansion valve TX3 N13 407C (SIROCCO 55) | WTC03070 |
| | Expansion valve TX3 N34 407C (SIROCCO 80) | WAC02497 |
| | Expansion valve TX3 N35 407C (SIROCCO 110) | WAC02498 |
| 39 | HP Pressure switch* 20-26 B (to be screwed) | WJC01669 |
| 40 | LP Pressure switch* 0.5/2 B  (to be screwed) | WJC01668 |
| | Dehumidifier 053S | WCY00995 |
| **Others** | | |
| | Filter (SIROCCO 55 Ambient) Size 135 x 940 mm | WSD01913 |
| | Filter (SIROCCO 80 Ambient) Size 135 x 1130 mm | WSD01914 |
| 21 | Filter (SIROCCO 110 Ambient) Size 135 x 1320 mm | WSD01915 |
| | Filter (SIROCCO 55 Through-the-wall) Size 135 x 560 mm | WSD01911 |
| | Filter (SIROCCO 80 Through-the-wall) Size 135 x 750 mm | WSD01912 |
| | Filter (SIROCCO 110 Through-the-wall) Size 135 x 940 mm | WSD01913 |
| 22a | Fixed grate | WIB01637 |
| 22b / 23 | Removable + fixed grate | WGRILSIROCO |
| | Manual overheating thermostat | WJP01682 |
| | Automatic overheating thermostat | WJP01681 |
| 12 | Motor fan mounting clip | WTC03893 |
| | Through the wall kit Sirocco 55 (top and bottom) | WKITMANCH55 |
| | Through the wall kit Sirocco 80 (top and bottom) | WKITMANCH80 |
| | Through the wall kit Sirocco 110 (top and bottom) | WKITMANC110 |

Replaced by

## DT 800, 850 et 850E

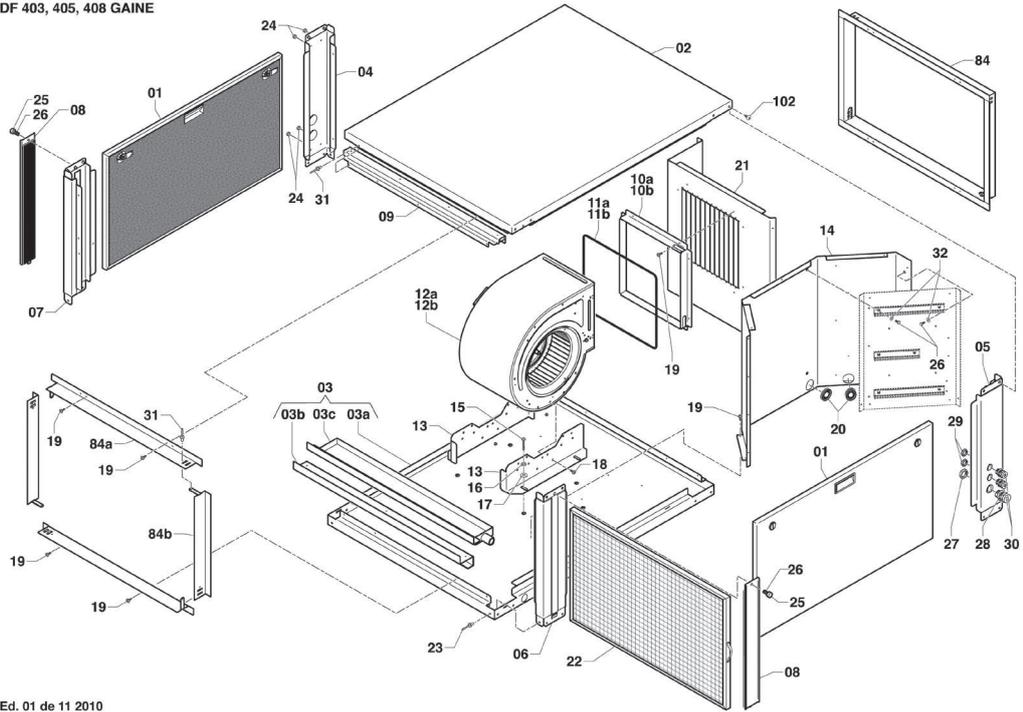| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| 1 | Fan motor DT 850 E | WAM01000 |
| | Electronic card DT 850 E + Display DT 850 E | WAM01004 |
| 3 | Defrosting clock 15.1 | WAM00981 |
| | Defrosting clock 14.1 | WAM00990 |
| | Compressor Capacitor 25µf | B0181300A |
| | Compressor Capacitor 40 µF C2 | B0181500A |
| **Refrigerating spare parts** | | |
| 4 | Compressor RG171JT (DT850) | WAM03080 |
| | Compressor DT 850 E to R407C | WAM01001 |
| | Compressor DT 850 E to R410A | WAM01002 |
| **Others** | | |
| | Fan Capacitor 2µF | WWA01051 |
| | Turbine DT 850 E | WAM01003 |
| | Turbine give the Type - DT800 or DT850 | WAM03069 |
| | Lexan DT 850 E | WAM01006 |
| | Filter give the Type - DT800 or DT850 or DT850E | W28FIDT5 |

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SPARE PARTS

**DF 403, 405, 408 GAINE**

Ed. 01 de 11 2010

**DF 403, 405, 408**
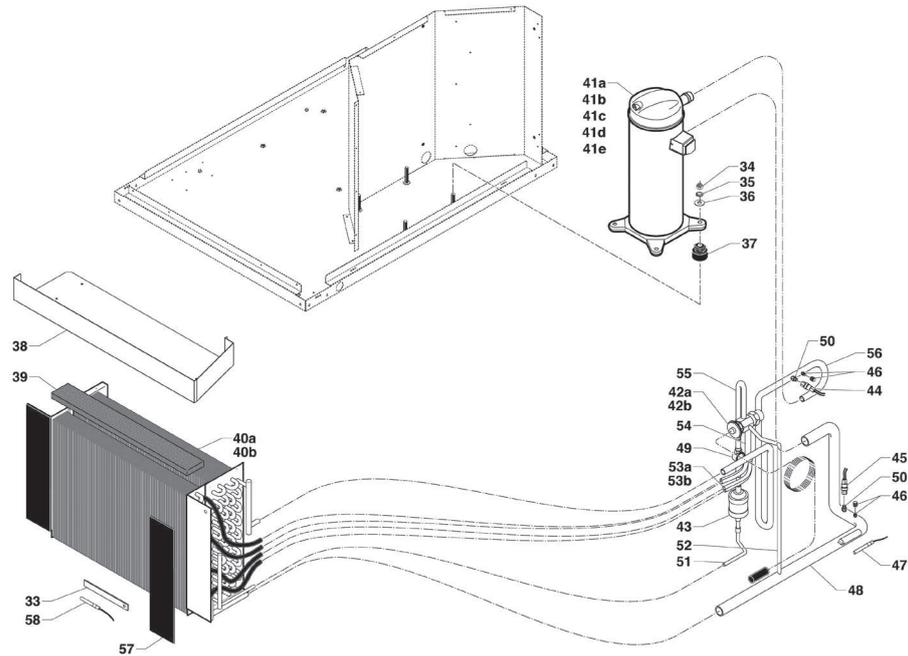
Ed. 01 de 11 2010

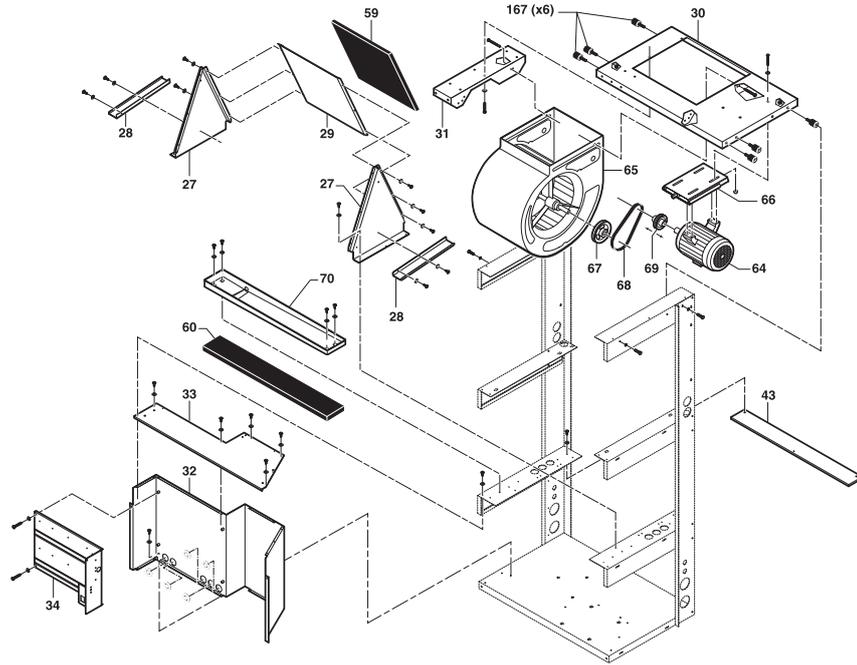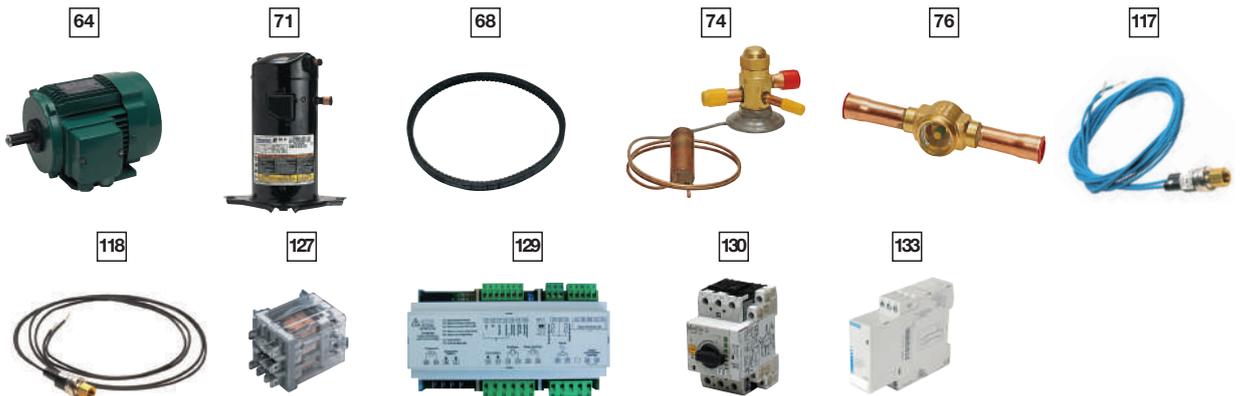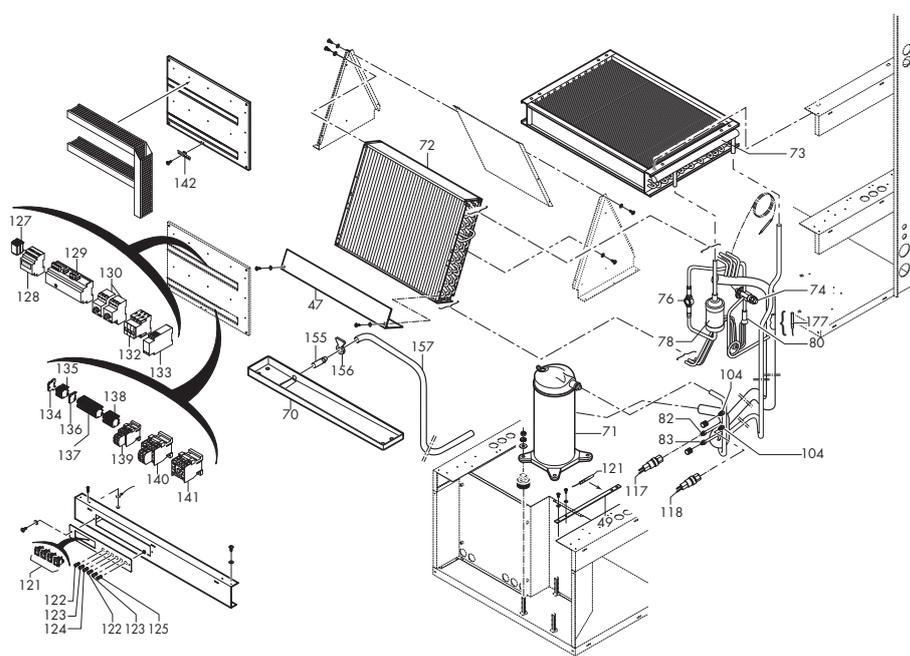| Position | Description | Reference |
|---|---|---|
| **Electrical spare parts** | | |
| 12 | Motor fan (DF6, 303, 305, 403 ,405) - Condenser included*** | WCF01220 |
| | Motor fan (DF8, DF 308, 408) - Condenser included*** | WCF01221 |
| | Motor fan (DF10, 12, 310, 312, 410, 412) - Condenser included*** | WCF01222 |
| | Compressor alu Capacitor 45 $\mu$F (DF5, DF305, DF405) | B0181600A |
| | Compressor Capacitor 50$\mu$f (DF6) | B0181100A |
| | Compressor Capacitor 55$\mu$f (DF8, DF308, DF408) | B0181700A |
| | Compressor Capacitor 40 $\mu$F (DF303, DF403) | B0181500A |
| | Ventilator Capacitor 12$\mu$F (DF5, 6, 8 DF308, 310, 312, DF408, 410, 412) | WSG01931 |
| | Ventilator Capacitor 10$\mu$F (DF303, 305, DF403, 405 and 408 IE3) | WSG01930 |
| | Ventilator Capacitor 7$\mu$F IE2 standards from 2014 (DF403 and 405) | B0053100A |
| | Ventilator Capacitor 16$\mu$F IE2 standards from 2014 (DF410 and DF412) | B0053200A |
| | Fan Capacitor 4 $\mu$F (DF403 et 405) | WSG01938 |
| 49 | Regulator ECP 600 | WCE06000 |
| 51 | Remote relay 12 Volts | WFD01460 |
| | Remote relay 220 Volts | WCF02710 |
| | Contactor DIL 17-10 Mono | WCF01113 |
| | Contactor  DIL 9-10 3 phase | WCF01066 |
| | Phase controller (DF 3 phase) | WCZ01371 |
| 58 | Extraction sensor (black) | WCE01311 |
| 47 | Defrosting sensor (grey) | WCE01312 |
| A | Standard wall hygrostat | WCE01314 |
| B | Hygro control + sensor** | WD000001 |
| | Hygro control sensor | WCE03431 |
| C | Heater 1.5 kW (extra heating option) | WRI01892 |
| D | Auto rearming safety thermostat | WIN01642 |
| E | Manual rearming safety thermostat | WIN01646 |
| F | Transformer 220/12V | WSE01929 |
| | Defrosting clock 15.1 | WAM00981 |
| | Standard wall thermostat | WCL01318 |
| **Refrigerating spare parts** | | |
| 40 | Evaporator/condenser (DF 308, DF 408) | WHC01547 |
| | Evaporator/condenser (DF 310, 312, 410, 412) | WHC01550 |
| | Evaporator/condenser (DF 303, 305, 403, 405) | WHC01549 |
| 41 | Compressor ZR22 single phase (DF 303, 403) | WCO02576 |
| | Compressor ZR 28 single phase (DF5, DF 305 single phase, 405 single phase) | WCO02579 |
| | Compressor ZR 28 tri (DF 305 Tri, 405 Tri) | WCO02783 |
| | Compressor ZR 34 sing.ph. (DF 6 single phase) | WCO02581 |
| | Compressor ZR 40 sing.ph. (DF 8, DF 308 single phase, 408 single phase) | WCO02590 |
| | Compressor ZR 40 3 ph. (DF 8, DF 308 tri, 408 tri) | WCO02687 |
| | ZR48 Compressor (DF 10, DF 410 tri) | WCO02589 |
| | Compressor ZR61 3 ph. (DF 12, DF 312 3 phase, DF412) | WCO02453 |
| 42 | Expansion valve TX3 N35 407C (DF 303, 403) | WAC02498 |
| | Expansion valve TX3 N36 (DF 305, 308, 405, 408) | WAC02499 |
| | Expansion valve TX3 N37 407C (DF 10, 310, 410) | WAC02500 |
| | Expansion valve TX3 N38 407C (DF 12, 312, 412) | WAC02501 |
| 33 | Liquid indicator 33S (DF 5, 6, 8, 303, 305, 308, 403, 405, 408) | WCY01000 |
| | Liquid indicator 34S (DF 310/312, 10/12, 410, 412 ) | WCY01001 |
| 43 | Dehumidifier 053S (DF 6/8, 303, 305, 308, 403, 405, 408) | WCY00995 |
| | Dehumidifier 084S (DF 310/312/10/12/410/412) | WCY00997 |
| 45 | LP Pressure switch* 0.5/2 B  (to be screwed) | WJC01668 |
| 44 | HP Pressure switch* 20-26 B (to be screwed) | WJC01669 |
| **Others** | | |
| 3C | Condensation collector (DF 6/8, 305, 308, 405, 408) | WTP02123 |
| | Condensation collector (DF 10/12, 310, 312, 410, 412) | WTP02127 |
| 22 | Filter frame (DF ducts 303 to 308) size: 410 x 610 x 23 mm | WSD01918 |
| | Filter frame (DF ducts 310 to 312) size: 450 x 645 x 23 mm until Nov. 2006 | WSD01922 |
| | Filter frame (DF ducts 310 to 312) size: 577 x 690 x 22 mm from Nov 2006 | WSD03351 |
| | Metalwork insulation thickness 20 mm - Price per m2 | WCA02601 |
| | Filter DF 403 to 408 size: 755 x 455 x 20 mm | WTL00760 |
| | Filter DF 410 to 412 size: 850 x 580 x 20 mm | WTL00761 |
| | Demi filter DF 403-408 size: 380 x 460 x 22 mm | WTL00763 |
| | Demi filter DF 410-412 size:  428 x 585 x 22 mm | WTL00762 |
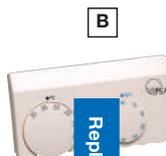
Replaced by

** The hygro-control can replace a hygrothermostat from the previous generation if the dehumidifier is fitted with an ECP600 regulator.
*** Pour toute commande de moteur ventilateur de DF merci de nous préciser le modèle exact du DF et son numéro de série.

# BODY SET



# REFRIGERATING AND ELECTRIC SET



| 64 | 71 | 68 | 74 | 76 | 117 |
|----|----|----|----|----|-----|

| 118 | 127 | 129 | 130 | 133 |
|-----|-----|-----|-----|-----|

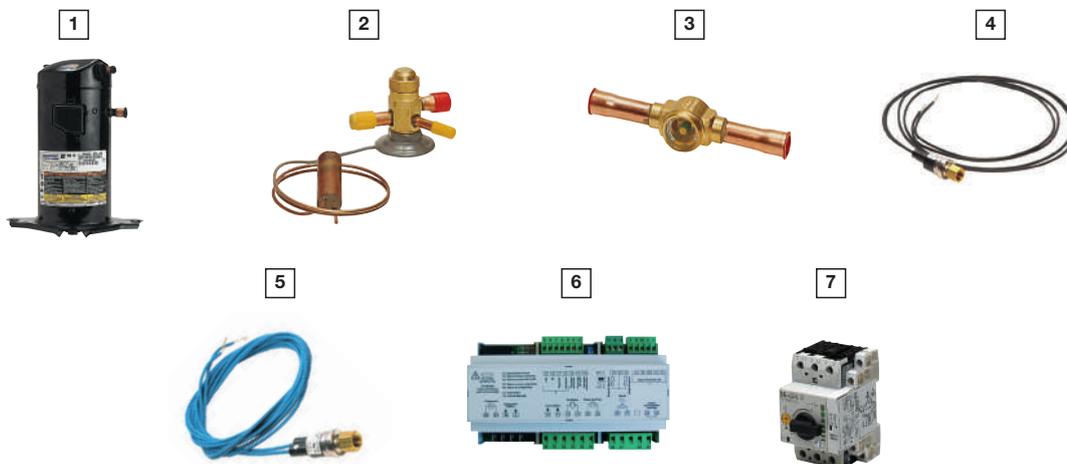| Position | Description | Reference | |
|---|---|---|---|
| **Electrical spare parts** | | | |
| 64 | Ventilation motor (CAE 506 and 508 sing.ph.) | WLS01688 |  A |
| | Ventilation motor (CAE 310, 507, 508 three ph.) | WLS01689A | |
| | Ventilation motor (CAE 517, 510 3 ph.) | WLS01690A | |
| | Ventilation motor (CAE 722, 513 three ph.) | WLS01691B | |
| 123 | Green light | WSX03024 | |
| 121 | On/Off switch, green light | WSX02010 | B |
| | Extraction sensor | WCE01311 | |
| 127 | Remote relay 220 Volts | WCF02710 | |
| | Remote relay 12 Volts | WFD01460 | |
| 128 | Digital regulator EC 6 133 with sensor (condenser option) | WCE02685 | |
| 129 | Regulator ECP 600 | WCE06000 | |
| 130 | Thermal circuit breaker PKZMO 16 A | WCF01078 | C |
| | Thermal circuit breaker PKZMO 2.5A | WCF01074 | |
| | Thermal circuit breaker PKZMO 4 A | WCF01075 | |
| | Thermal circuit breaker PKZMO 6.3 A | WCF01073 | |
| 133 | Phase controller | WCZ01371 | Replaced by |
| 177 | Defrosting sensor (grey) | WCE01312 | |
| | Compressor Capacitor 50$\mu$f (CAE 506) | B0181100A | |
| | Compressor Capacitor 55$\mu$f (CAE 508) | B0181700A | |
| B | Standard wall hygrostat | WCE01314 | |
| C | Hygro control + sensor** | WD000001 | |
| | Hygro control sensor | WCE03431 | |
| D | Static timer 180S | WCZ01370 | D |
| F | Transformer 220/12V | WSE01929 | |
| G | Extractor thermostat (condenser option) | WIN01644 | |
| H | Auto rearming safety thermostat | WIN01642 | |
| I | Manual rearming safety thermostat | WIN01646 | E |
| | Contactor DILM 9-10 | WCF01066 | |
| | Heater 1.5 kW (extra heating option) | WRI01892 | |
| | Standard wall thermostat | WCL01318 | |
| | Hygro+Temp Regulator for remote cabinet | B0202000A | |
| | Hygro+Temp sensor for remote cabinet | B0201900A | |
| **Refrigerating spare parts** | | | |
| 71 | Compressor ZR 34 sing.ph. (CAE 506) | WCO02581 | F |
| | Compressor ZR 40 sing.ph. (CAE 508) | WCO02590 | |
| | Compressor ZR 40 3 ph. (CAE 507, 508) | WCO02687 | |
| | Compressor ZR61 3 ph. (CAE 510) | WCO02453 | |
| | Compressor ZR81 3 ph. (CAE 513) | WCO02688 | |
| 74 | Expansion valve TX3 N36 (CAE 506) | WAC02499 | |
| | Expansion valve TX3 N37 (CAE 508) | WAC02500 | |
| | Expansion valve TX3 N38 (CAE 510) | WAC02501 | |
| | Expansion valve TX3 N39 (CAE 513) | WAC02753 | |
| 76 | Liquid indicator 33S (CAE 506, 508) | WCY01000 | G |
| | Liquid indicator 34S (CAE 510, 513) | WCY01001 | |
| 78 | Dehydrator 083S (CAE 506, 598) | WCY00996 | |
| | Dehydrator 164S (CAE 510, 513) | WCY00998 | |
| 117 | LP Pressure switch* 0.5/2 B  (to be screwed) | WJC01668 | |
| 118 | HP Pressure switch* 20-26 B (to be screwed) | WJC01669 | |
| **Others** | | | H |
| 65 | Turbine (CAE 506, 508) | WNI01742 | |
| | Turbine (CAE 510, 513) | WNI01743 | |
| | Turbine bearing (CAE 506, 508) | R06217 | |
| | Turbine bearing (CAE 510, 513) | R06218 | |
| 68 | Ventilation belt (CAE 517, 722*) | WRS01894 | |
| | Ventilation Belt (CAE 310, 506, 507, 508, 510, 513*) | WGA02968 | |
| 70 | Condensation collector* | WTP02122 | I |
| | Ambient filter frame (CAE 506, 507, 508, 510, 513*) | WSD01908 | |
| | Rear filter frame (CAE 506, 507, 508, 510, 513*) | WSD01910 | |
| | Side filter frame (CAE 506, 507, 508, 510, 513*) | WSD01909 | |
| | Bumpy foam insulation (plate dimensions 1,50 m x 1,00 m) | WCA02600 | |
| | Filtering medium without frame (CAE 310, 517, 722*) | WTC03077 | |
| 167 | Silent block M/F motor fan bracket | WGA02946 | |

** The hygro-control can replace a hygrothermostat from the previous generation if the dehumidifier is fitted with an ECP600 regulator.

| Repère | Description | Référence |
|--------|-------------|-----------|
| **Electrical spare parts** | | |
| 6 | Regulator ECP 600 | WCE06000 |
| 7 | Thermal circuit breaker PKZMO 16 A | WCF01078 |
| | Thermal circuit breaker PKZMO 20 A | WCF01079 |
| | Thermal circuit breaker PKZMO 4 A | WCF01075 |
| | Thermal circuit breaker PKZMO 6.3 A | WCF01073 |
| 8 | Remote relay 12 Volts | WFD01460 |
| 9 | Remote relay 220 Volts | WCF02710 |
| | Phase controller | WCZ01371 |
| 10 | Ventilator motor 1.1 kW (OMEGA 10) | WLS01691B |
| 11 | Ventilator motor 1.5 kW (OMEGA 14) | WLS01695A |
| | Ventilator motor 1.8 kW (OMEGA 16) | WLS01697B |
| | Ventilator motor 2.2 kW (OMEGA 20, 28) | WLS01698A |
| 12 | Auto rearming safety thermostat | WIN01642 |
| | Manual rearming safety thermostat | WIN01646 |
| 13 | Standard wall hygrostat | WCE01314 |
| 14 | Hygro control + sensor** | WD000001 |
| 15 | Hygro control sensor | WCE03431 |
| | Extractor thermostat (condenser option) | WIN01644 |
| 16 | Transformer 220/12V | WSE01929 |
| 17 | Contactor DILM 9-10 | WCF01066 |
| | Digital regulator EC 6 133 with sensor (condenser option) | WCE02685 |
| | Heater 1.5 kW (extra heating option) | WRI01892 |
| | Static timer 180S | WCZ01370 |
| | Standard wall thermostat | WCL01318 |
| | Defrosting sensor (grey) | WCE01312 |
| | Extraction sensor | WCE01311 |
| | Hygro+Temp sensor for remote cabinet | B0201900A |
| | Hygro+Temp Regulator for remote cabinet | B0202000A |

| Repère | Description | Référence |
|--------|-------------|-----------|
| **Refrigerating spare parts** | | |
| 1 | Compressor ZR61 3 ph. (OMEGA 10) | WCO02453 |
| | Compressor ZR72 3 ph. (OMEGA 14) | WCO02858 |
| | Compressor ZR81 3 ph. (OMEGA 16) | WCO02688 |
| | Compressor ZR 94 (OMEGA 20, after 2008) | WCO03830 |
| | Compressor ZR12 M3 (OMEGA 28) | WCO03078 |
| | Compressor ZR 125 (OMEGA 28) | WCO03831 |
| 2 | Expansion valve TX3 N38 (OMEGA 10) | WAC02501 |
| | Expansion valve TX3 N39 (OMEGA 14/16) | WAC02753 |
| | Expansion valve TX7N15 (OMEGA 20 and 28) | WAC02961 |
| 3 | Liquid indicator 34S (OMEGA 10 to 16) | WCY01001 |
| | Liquid indicator 35S (OMEGA 20) | WCY01002 |
| 4 | HP Pressure switch* 20-26 B (to be screwed) | WJC01669 |
| 5 | LP Pressure switch* 0.5/2 B  (to be screwed) | WJC01668 |
| | Dehydrator 164S (OMEGA 10, 14, 16) | WCY00998 |
| | Dehydrator 305S (OMEGA 20 and  28) | WCY00999 |
| **Others** | | |
| 18 | Ventilation Belt (OMEGA 10 a 16) | WGA02968 |
| | Belt (OMEGA 20) | WGA02969 |
| | Belt* (OMEGA 28) x2 (from 2006) XPZ 710 | WTR02356 |
| | Belt* (OMEGA 28) x2 (from 2007) XPZ 780 | WTR02357 |
| | Filter frame (OMEGA 10, 14, 16, 20) size: 525 x 615 x 23 mm to order per 2 | WSD01916 |
| | Omega filter 8/12 size: 625 x 400 x 23 mm by unit | WSD01923 |
| | OMEGA 28* filter (until 2005) size: 500 x 400 x 23 mm to order per 6 | WSD02760 |
| | Filter OMEGA 28* (from 2006) size: 547 x 400 x 22 mm to order per 6 | WSD03350 |
| | Bumpy foam insulation (plate dimensions 1,50 m x 1,00 m) | WCA02600 |
| | Metalwork insulation thickness 20 mm - Price per m2 | WCA02601 |
| | Turbine (OMEGA 10 to 20) | WNI01743 |
| | Double Turbine OMEGA 28 | WNI01755 |
| | Turbine bearing OMEGA | R06218 |

\* For all orders for spare parts please give the serial number of the dehumidifier.
\*\* The hygro-control can replace a hygrothermostat from the previous generation if the dehumidifier is fitted with an ECP600 regulator.
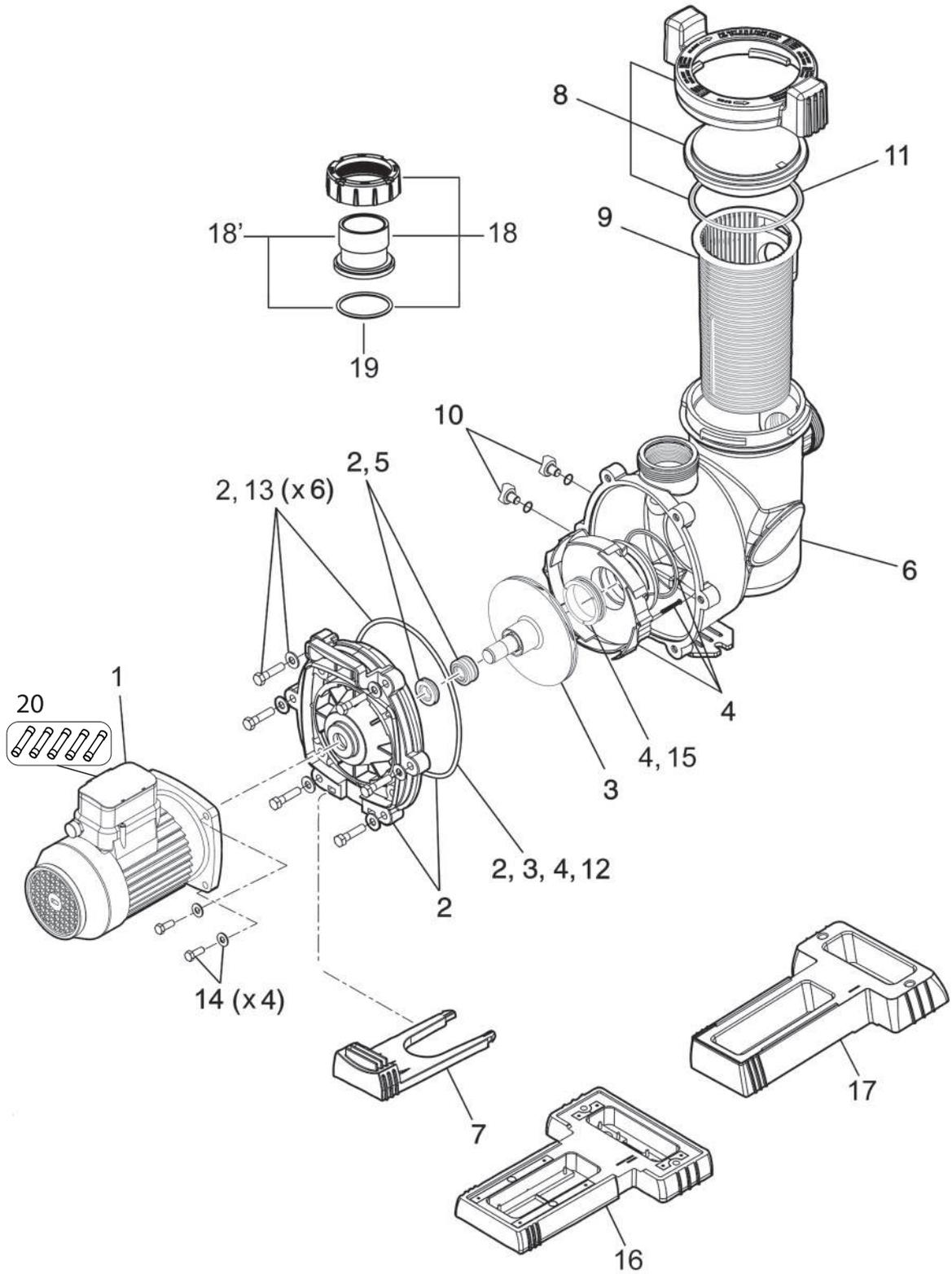
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |









| 15 | 16 | 17 | 18 |



Replaced by

8

11

9

18'

18

19

10

2, 5

2, 13 (x 6)

20

1

6

4

4, 15

3

2, 3, 4, 12

2

14 (x 4)

7

17

16
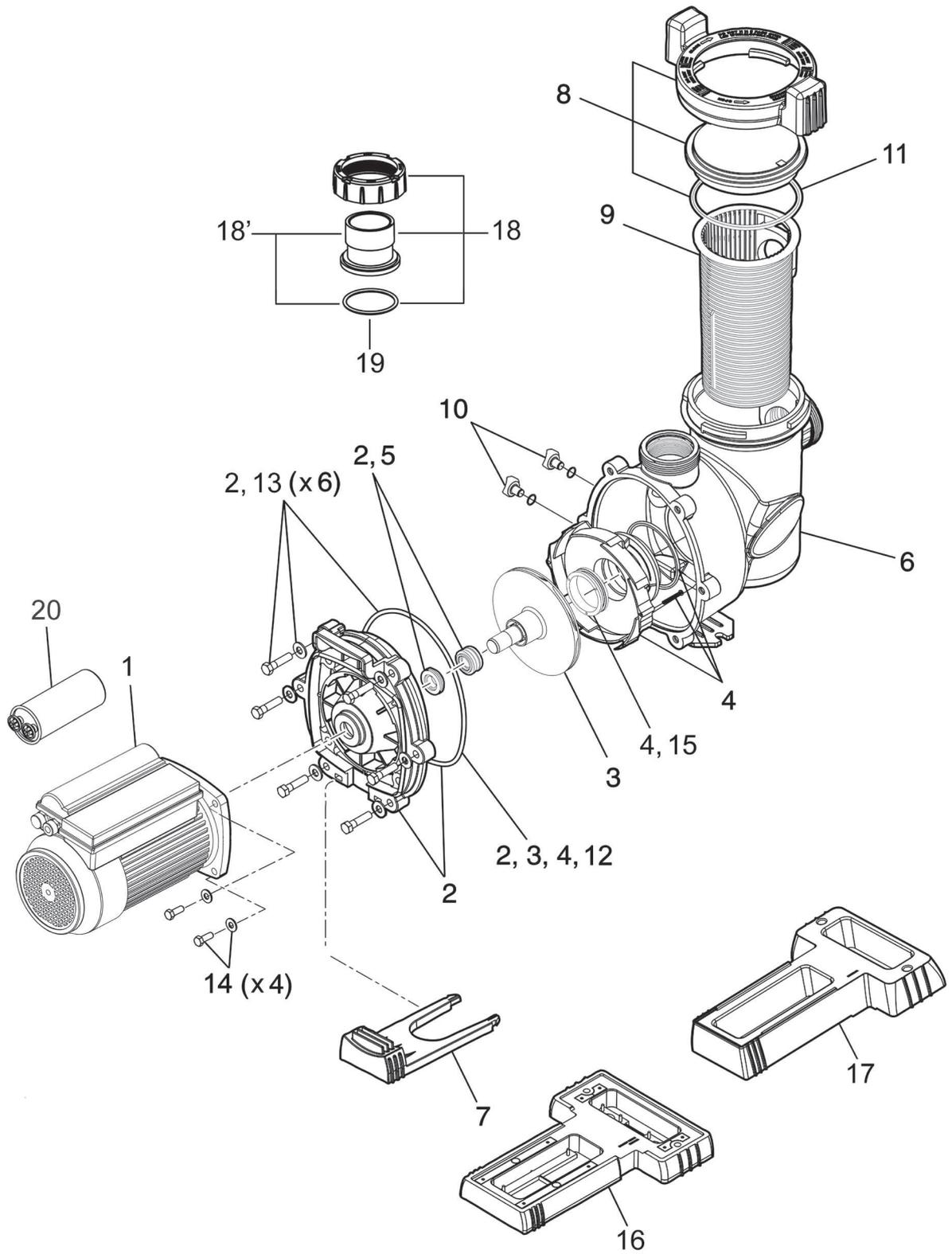
| Position | Description | Reference |
|---|---|---|
| 1 | Pump motor FHP 50M & 75M | R0770601 |
| | Pump motor  FHP 75T | R0770602 |
| | Pump motor FHP 100M | R0770603 |
| | Pump motor FHP 100T | R0770604 |
| | Pump motor FHP 150M | R0770605 |
| | Pump motor FHP 150M | R0770606 |
| | Pump motor FHP 200M | R0770607 |
| | Pump motor FHP 200T | R0770608 |
| 2 | Backplate kit FHP (with hardware, Oring & mechanical seal) | R0479501 |
| 3 | Impeller FHP 50 (w/ backplate Oring) | R0757700 |
| | Impeller FHP 75 (w/ backplate Oring) | R0757800 |
| | Impeller FHP 100 (w/ backplate Oring) | R0757900 |
| | Impeller FHP 150 (w/ backplate Oring) | R0758000 |
| | Impeller FHP 200 (w/ backplate Oring) | R0758100 |
| 4 | Diffuser FHP (with Oring, Hardware & Backplate Oring) | W0479700 |
| 5 | Mechanical seal FHP (set) | R0728500 |
| 6 | Pump body FHP | R0479801 |
| 7 | Motor mounting foot FHP 100M, 150M, 200M, 150T, 200T | R0479901 |
| | Motor mounting foot FHP 75T & 100T | R0479904 |
| | Motor mounting foot FHP 50M & 75M | R0479905 |
| 8 | Lid FHP (with locking ring & Oring) | R0480001 |
| 9 | Filter basket FHP | R0480101 |
| 10 | Drain plug with Oring (set of 2) | R0446001 |
| 11 | Lid Oring | R0480201 |
| 12 | Backplate Oring FHP | R0480301 |
| 13 | Backplate Hardware (bolts, washers & backplate Oring) | R0480501 |
| 14 | Motor bolts & washers | R0446702 |
| 15 | FHP slip ring | R0746800 |
| 16 | Small pump base | R0486701 |
| 17 | Large pump base | R0546401 |
| 18 | 63/50mm union tailpiece kit (x2) | R0728700 |
| 18' | 2" UK union tailpiece kit (x2, without locking rings) | R0792700 |
| 19 | Tailpiece Oring kit (x2) | R0728800 |
| 20 | Condenser 12µF FHP 50M & 75M | R0792300 |
| | Condenser 25µF FHP 100M | R0792400 |
| | Condenser 35µF FHP 150M | R0792500 |
| | Condenser 45µF FHP 200M | R0792600 |
| / | 2"-1.5" threaded reducer for retrofit | 71840 |

| Position | Description | Reference |
|---|---|---|
| 1 | Pump motor assembly, FloPro e3 100 | R0728200 |
| 2 | Backplate kit FHP (with hardware, Oring & mechanical seal) | R0479501 |
| 3 | Impeller FHP 100 (w/ backplate Oring) | R0757900 |
| 4 | Diffuser FHP (with Oring, Hardware & Backplate Oring) | W0479700 |
| 5 | Mechanical seal FHP (set) | R0728500 |
| 6 | Pump body FHP | R0479801 |
| 7 | Motor mounting foot FHP 100M, 150M, 200M, 150T, 200T | R0479901 |
| 8 | Lid FHP (with locking ring & Oring) | R0480001 |
| 9 | Filter basket FHP | R0480101 |
| 10 | Drain plug with Oring (set of 2) | R0446001 |
| 11 | Lid Oring | R0480201 |
| 12 | Backplate Oring FHP | R0480301 |
| 13 | Backplate Hardware (bolts, washers & backplate Oring) | R0480501 |
| 14 | Motor bolts & washers | R0446702 |
| 15 | FHP slip ring | R0746800 |
| 16 | Small pump base | R0486701 |
| 17 | Large pump base | R0546401 |
| 18 | 63/50mm union tailpiece kit (x2) | R0728700 |
| 18' | 2" UK union tailpiece kit (x2, without locking rings) | R0792700 |
| 19 | Tailpiece Oring kit (x2) | R0728800 |
| 20 | 10A fuse (x5) | R0855700 |
| / | 2"-1.5" threaded reducer for retrofit | 71840 |

Spare Parts
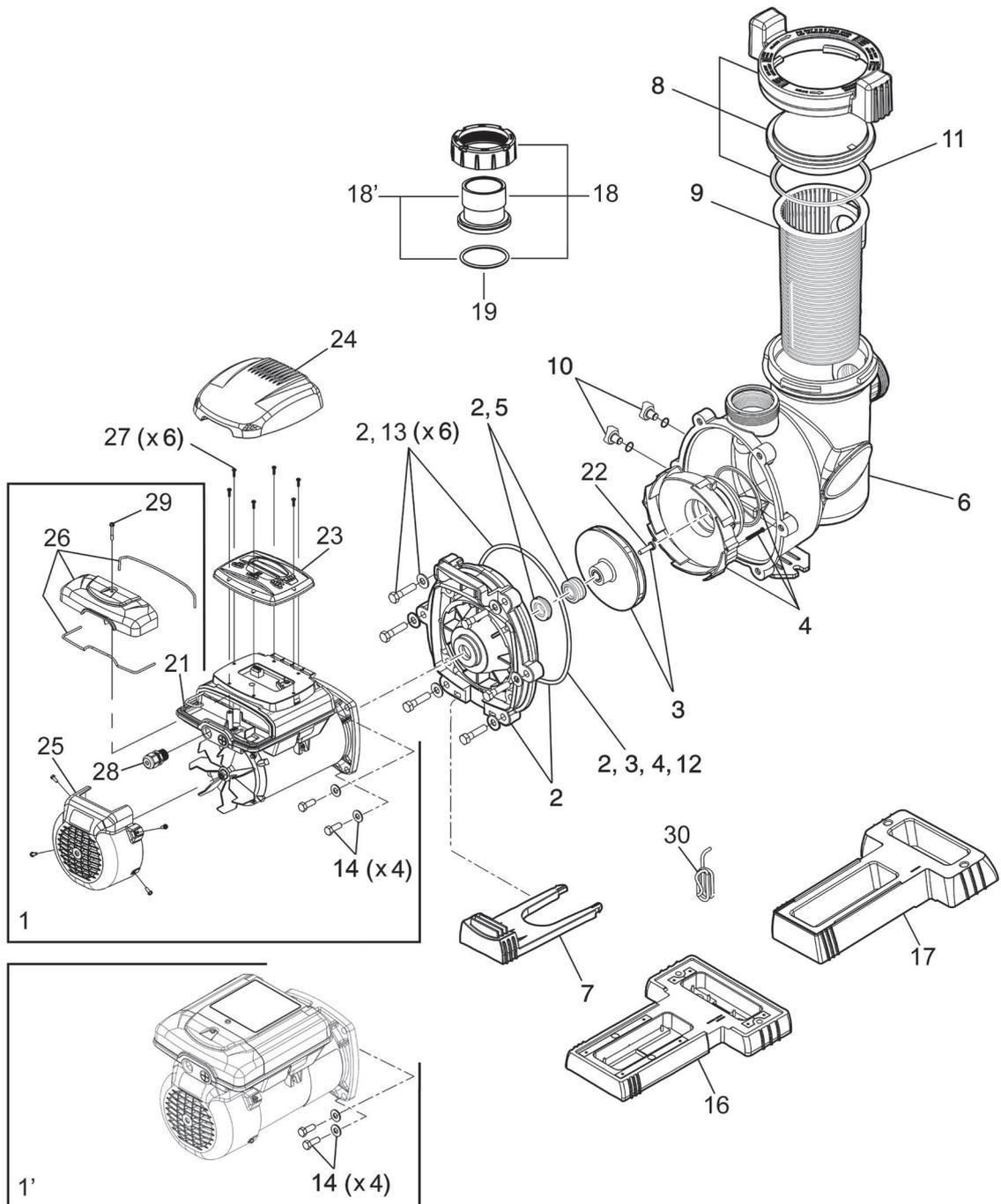
| Position | Description | Reference |
|---|---|---|
| 1 | Pump motor, 50Hz FloPro VS 160 | R0626500 |
| 1' | Pump motor, 50Hz FloPro VS AUT 160 | R0773200 |
| 2 | Backplate kit FHPVS (with hardware, Oring & mechanical seal) | R0479502 |
| 3 | Impeller FloPro VS (with screw & Oring) | R0479603 |
| 4 | Diffuser FloPro VS (with Oring, Hardware & Backplate Oring) | R0479701 |
| 5 | Mechanical seal FloPro VS (set) | R0479400 |
| 6 | Pump body FHP | R0479801 |
| 7 | Motor mounting foot | R0479902 |
| 8 | Lid FHP (with locking ring & Oring) | R0480001 |
| 9 | Filter basket FHP | R0480101 |
| 10 | Drain plug with Oring (set of 2) | R0446001 |
| 11 | Lid Oring | R0480201 |
| 12 | Backplate Oring FHP | R0480301 |
| 13 | Backplate Hardware (bolts, washers & backplate Oring) | R0480501 |
| 14 | Motor bolts & washers | R0446702 |
| 16 | Small pump base | R0486701 |
| 17 | Large pump base | R0546401 |
| 18 | 63/50mm union tailpiece kit (x2) | R0728700 |
| 18' | 2" UK union tailpiece kit (x2, without locking rings) | R0792700 |
| 19 | Tailpiece Oring kit (x2) | R0728800 |
| 21 | 4-Pin RS485 connector | R0660900 |
| 22 | Impeller screw (with Oring) | R0515400 |
| 23 | JEP-R user interface | WJEP-R |
| 24 | User interface cover FloPro VS | R0571501 |
| 25 | Fan cover FloPro VS | R0571300 |
| 26 | Electrical connection box cover FloPro VS | R0571400 |
| 27 | User interface screws | R0571600 |
| 28 | Cable gland 6-12 mm x 1/2" | R0501101 |
| 29 | Electrical connection box screw | R0587600 |
| 30 | RS485 cable - 30 m | R0809300 |
| / | 2"-1.5" threaded reducer for retrofit | 71840 |

| Position | Description | Reference |
|---|---|---|
| 1 | Top housing assembly, CS100 & CS150 | R0461901 |
| 2 | Tank Oring | R0462701 |
| 3 | Inlet diffuser & locking tab kit | R0462101 |
| 4 | Replacement cartridge, CS100 | R0462201 |
| | Replacement cartridge, CS150 | R0462301 |
| 5 | Locking tab | R0484101 |
| 6 | Breather tube, CS100 & CS150 | R0462803 |
| 7 | Bottom housing assembly, CS | R0462901 |
| 8 | Pressure gauge, bar-psi | R0756000 |
| 9 | Indicator snap ring | R0468201 |
| 10 | Pressure gaude adapter assembly | R0557101 |
| 11 | Air relief valve assembly | R0557201 |
| 12 | Oring set (x3) | R0466301 |
| 13 | 63/50mm union tailpiece kit (x2) | R0771400 |
| | 2" union tailpiece kit (2 pieces, add 2x R0770300 for 1 ½") | R0771401 |
| 14 | Drain cap kit | R0523000 |
| 15 | Versa Plumb® kit for installation with a FloPro™ pump | WF000026 |

| Position | Description | Reference |
|---|---|---|
| 1 | Pressure gauge 1/8" | R0831200 |
| 2 | Complete pressure gauge kit (with T-shape adaptor, seal & air relief) | R0831100 |
| 3 | Lid collar and nuts kit | R0831300 |
| 4 | Lid collar | R0831600 |
| 5 | Transparent lid + Oring kit | R0831500 |
| 5 | Black lid + Oring | R0842400 |
| 6 | Lid Oring | R0831400 |
| 7 | 20-bolts neck ring kit | R0831700 |
| 8 | Filter base D470/530 | R0831800 |
| 8 | Filter base D650 | R0832000 |
| 8 | Filter base D800 | R0832100 |
| 8 | Filter base D950 | R0832200 |
| 9 | Water drain 3/8" | R0832300 |
| 10 | Sand & water double drain | R0832400 |
| 11 | 2" fitting + Oring | R0832600 |
| 11 | 1 ½" fitting + Oring | R0832500 |
| 12 | 1 ½" Classic multiport valve kit (with plumbing) | 09758 |
| 12 | 2" Classic multiport valve kit (with plumbing) | 14904 |
| 13 | Manifold arms assembly D470/530 | R0835200 |
| 13 | Manifold arms assembly D650 | R0835300 |
| 13 | Manifold arms assembly D800 | R0835400 |
| 13 | Manifold arms assembly D950 | R0835500 |
| 14 | Manifold assembly kit D470 | R0832900 |
| 14 | Manifold assembly kit D530 | R0833000 |
| 14 | Manifold assembly kit D650 | R0833100 |
| 14 | Manifold assembly kit D800 | R0833200 |
| 14 | Manifold assembly kit D950 | R0833300 |
| 15 | Air purge + 670mm pipe kit D470>800 | R0835600 |
| 15 | Air purge + 845mm pipe kit D950 | R0835700 |
| 16 | Diffuser assembly kit D470 | R0833900 |
| 16 | Diffuser assembly kit D530 | R0834000 |
| 16 | Diffuser assembly kit D650 | R0834100 |
| 16 | Diffuser assembly kit D800 | R0834200 |
| 16 | Diffuser assembly kit D950 | R0834300 |
| 17 | Cone diffuser D50mm D470>650 | R0833700 |
| 17 | Cone diffuser D63mm D800>950 | R0833800 |

| Position | Description | Reference |
|---|---|---|
| 1 | Lid set | R0804600 |
| 2 | T-shape adaptor + seal + air relief kit | R0804900 |
| 3 | Pressure gauge 3 bar | R0596500 |
| 4 | Screws & caps set | R0674100 |
| 5 | Lid Oring kit (x5) | R0805000 |
| 6 | Diffuser | R0674400 |
| 7 | D400 Diffuser elbow | R0674500 |
| | D520 Diffuser elbow | R0597400 |
| | D640 Diffuser elbow | R0597500 |
| | D760 Diffuser elbow | R0597600 |
| | D900 Diffuser elbow | R0597700 |
| 8 | 1 ½" threaded union set | R0598200 |
| | 2" threaded union set | R0598300 |
| 9 | 7-way multiport valve 1 ½" | R0596300 |
| | 7-way multiport valve 2" | R0596400 |
| 10 | 1 ½" union piping set | R0596900 |
| | 2" union piping set | R0597000 |
| 11 | Drain plug set | R0596800 |
| 12 | D400 Collector elbow | R0674600 |
| | D520 Collector elbow | R0597800 |
| | D640 Collector elbow | R0597900 |
| | D760 Collector elbow | R0598000 |
| | D900 Collector elbow | R0598100 |
| 13 | Laterals 400 | R0674700 |
| | Laterals 520 | R0597100 |
| | Laterals 640 | R0597200 |
| | Laterals 760 | R0804700 |
| | Laterals 900 | R0597300 |
| 14 | Air relief tube & nozzle | R0804800 |
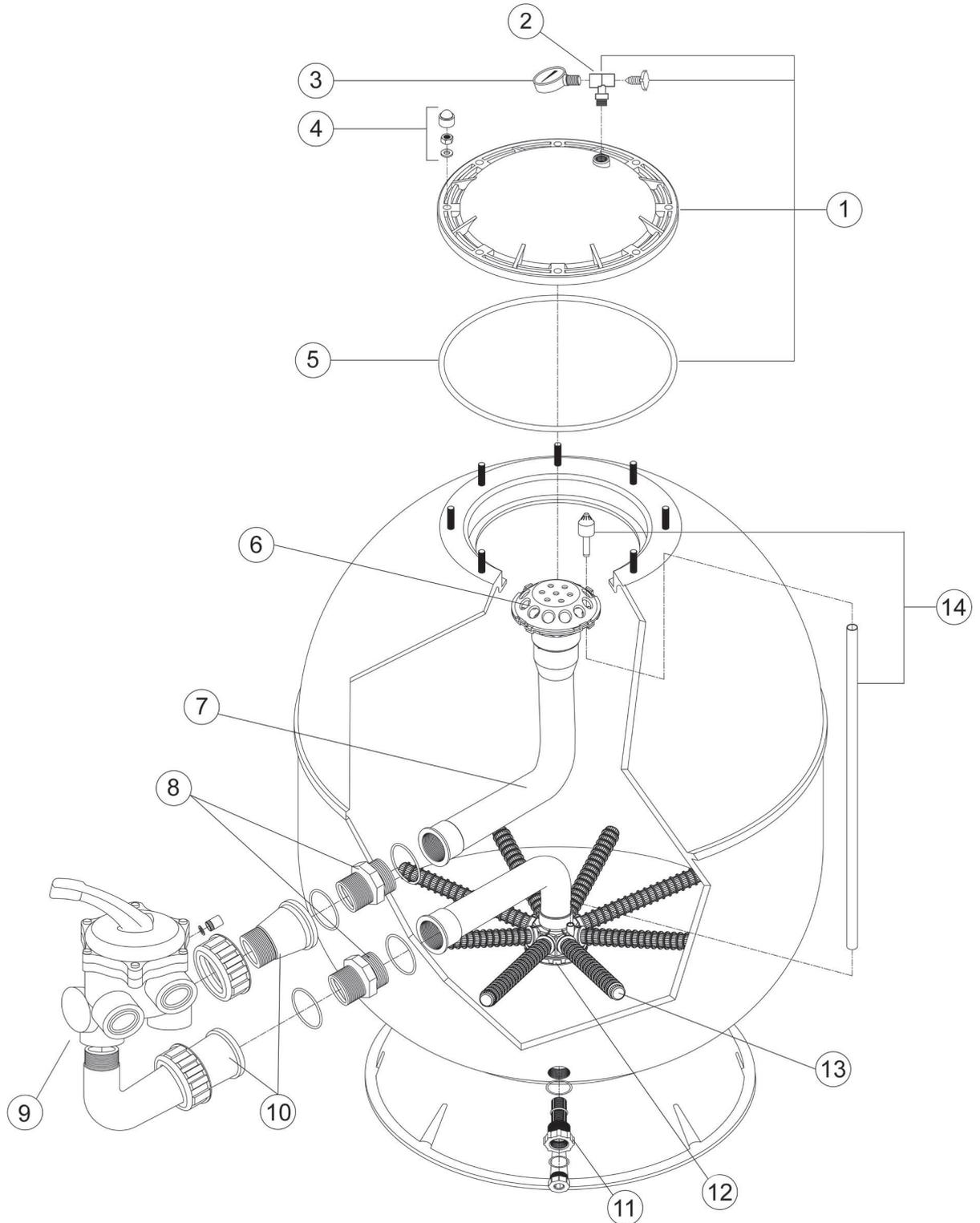
# pH Expert / pH Perfect

| Position | Description | Reference |
|----------|-------------|-----------|
| 1 | One way valve | W013001 |
| 2 | pH Buffer solution kit (6x pH 4 and 6x pH 7) | R0824400 |
| 3 | pH sensor S-B with 5 m BNC cable - before 2019 | W013048 |
| 3' | Sensor holder and pH sensor P19 with 3 m BNC cable kit - starting 2019 | R0868700 |
| 4 | Peristaltic tube complete (with connections) | W013004 |
| 5 | 500 mA T fuse | W013005 |
| 6 | Peristaltic pump tablet holder | W013007 |
| 7 | Complete anti-emission suction pipe (with cable & tube) | W013008 |
| 8 | Polyethylene correcting fluid injector tube 4x6 mm (5 meters) | R0748200 |
| 9 | Complete DN50 mm saddle clamp (adaptable to 1 ½ '' UK) | W013010 |
| 9 | Complete DN63 mm saddle clamp (adaptable to 2 '' UK) - not included in the product | W013011 |
| 10 | PVC adapter for injection valve | W013015 |
| 11 | Reinforced sensor holder | W013016 |
| 11 | Sensor holder P19 - starting 2019 | R0824600 |
| \ | Headless stainless steel screw for power pack hinge | W013020 |
| 12 | pH Expert / pH Perfect electronic card with blue LCD display (> 2008)* | W013022 |
| 12 | pH Expert / pH Perfect with Led electronic card (< 2008) | W013012 |
| 12 | Filtration interface electronic card (pH Perfect with Led, < 2008) | W013013 |
| \ | Control panel sticker pH Expert | R0594700 |
| \ | Control panel sticker pH Perfect / thin ribbon cable (≥ 05/2011) | W013038 |
| \ | Empty pH Expert box (front face + rear face only) | R0594900 |
| \ | Empty pH Perfect box (front face + rear face only, ≥ 2008) | W013024 |
| 13 | Complete peristaltic pump motor 1,5 L/h (with casing, ≥ 2008) | W013026 |
| 13 | Complete peristaltic pump motor 1,5 L/h (with casing, < 2008) | W013014 |
| 14 | Peristaltic pump protective casing pH Expert | R0595000 |
| 14 | Peristaltic pump protective casing pH Perfect (≥ 2008) | W013029 |
| 15 | Stirrup wall-mount kit (stirrup + 2 screws + 2 plugs) | W521131 |
| 15 | Stirrup wall-mount kit for casing (stirrup + 2 screws) | W013036 |
| \ | POD Kit | R0534900 |

* : Control panel sticker replacement with a «thin ribbon cable» model (W013038) is needed if manufacturing date of the unit is below May 2011 (serial nr. < 1120Gxxxxxx).

# Chlor Expert / Chlor Perfect

Spare Parts

| Position | Description | Reference |
|---|---|---|
| 1 | One way valve | W013001 |
| 2 | ORP buffer solution kit (6x 470 mV) | R0824500 |
| 3 | ORP sensor S-B with 5 m BNC cable - before 2019 | W013047 |
| 3' | Sensor holder and ORP sensor P19 with 3 m BNC cable kit - starting 2019 | R0868800 |
| 4 | Peristaltic tube complete (with connections) | W013004 |
| 5 | 500 mA T fuse | W013005 |
| 6 | Peristaltic pump tablet holder | W013007 |
| 7 | Complete anti-emission suction pipe (with cable & tube) | W013008 |
| 8 | Polyethylene correcting fluid injector tube 4x6 mm (5 meters) | R0748200 |
| 9 | Complete DN50 mm saddle clamp (adaptable to 1 ½ '' UK) | W013010 |
| 9 | Complete DN63 mm saddle clamp (adaptable to 2 '' UK) - not included in the product | W013011 |
| 10 | PVC adapter for injection valve | W013015 |
| 11 | Reinforced sensor holder | W013016 |
| 11 | Sensor holder P19 - starting 2019 | R0824600 |
| \ | Headless stainless steel screw for power pack hinge | W013020 |
| 12 | Chlor Perfect electronic card with orange LCD screen | W013032 |
| \ | Chlor Expert control panel sticker | R0594800 |
| \ | Chlor Perfect control panel sticker (from 2012) | W013033 |
| \ | Empty pH Expert box (front face + rear face only) | R0594900 |
| \ | Empty pH Perfect box (front face + rear face only, ≥ 2008) | W013024 |
| 13 | Complete peristaltic pump motor 1,5 L/h (with casing,  ≥ 2008) | W013026 |
| 13 | Complete peristaltic pump motor 5 L/h (with casing)* | W013034 |
| 14 | Peristaltic pump protective casing pH Expert | R0595000 |
| 14 | Peristaltic pump protective casing pH Perfect (≥ 2008) | W013029 |
| 15 | Stirrup wall-mount kit (stirrup + 2 screws + 2 plugs) | W521131 |
| 15 | Stirrup wall-mount kit for casing (stirrup + 2 screws) | W013036 |
| \ | POD Kit | R0534900 |

* : 5 L/h motor is only dedicated to use in big pools (> 100 m3).
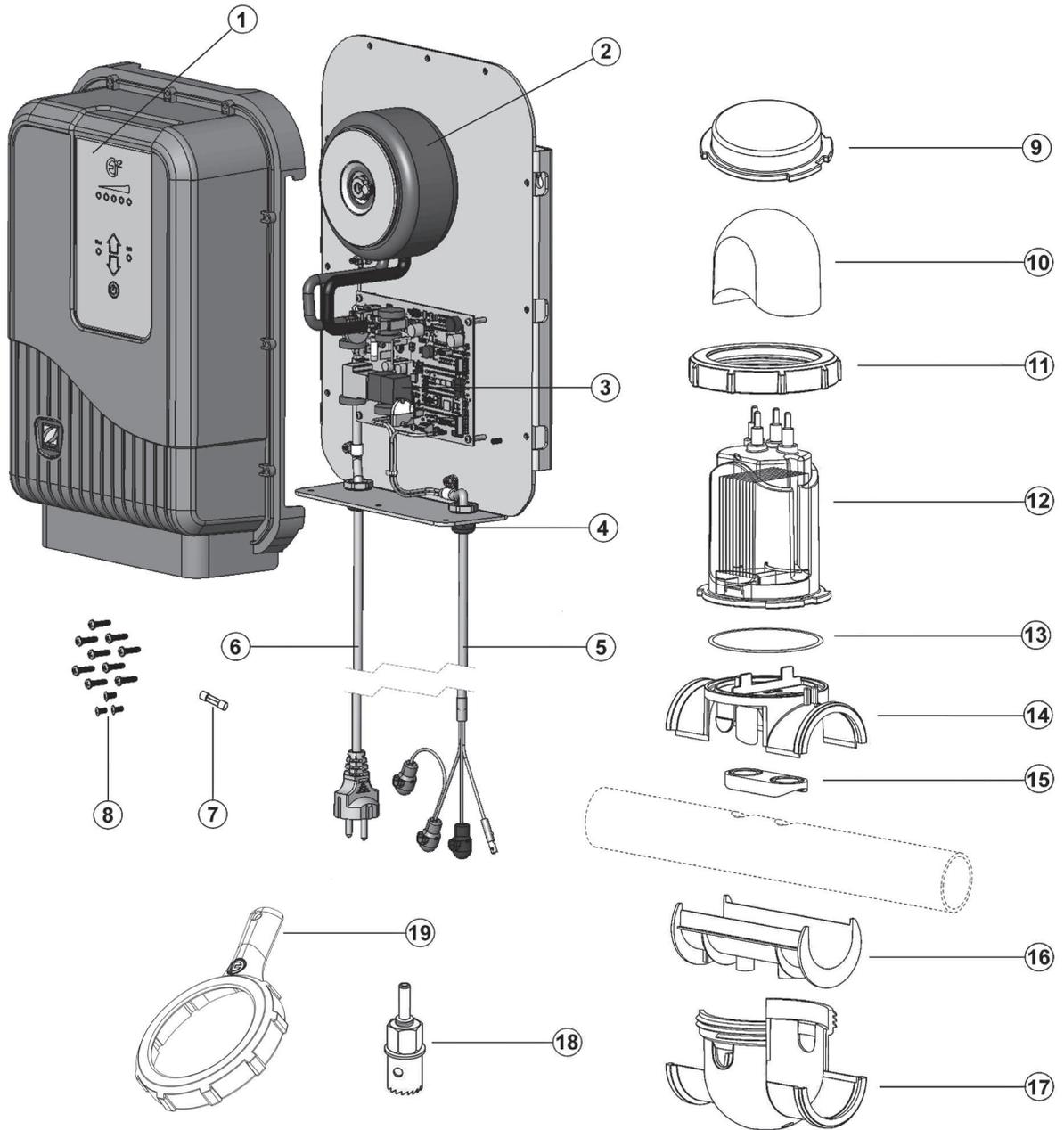
| Position | Description | Reference |
|---|---|---|
| 1 | Cover assembly with lexan | R0625400 |
| 2 | Transformer kit | R0609700 |
| 3 | Power PCB (with thermal paste & screws) | R0625600 |
| | Power PCB (with thermal paste & screws) cover mode version | R0871600 |
| 4 | Cable glands kit (x2) | R0625700 |
| 5 | Cell cable | R0609800 |
| 6 | Mains supply cable | R0625100 |
| 7 | M205 2.5 A T Fuse | W110201 |
| 8 | Cover screw set (9 x M4/17 & 3 x M4/8) | R0609400 |
| 9 | Winterizing cap for cell | R0770100 |
| 10 | Cell cap | R0768000 |
| 11 | Electrode tightening ring | R0768200 |
| 12 | Complete Ei² 12 electrode | R0673600 |
| | Complete Ei² 20 electrode | R0673700 |
| | Complete Ei² 25 electrode | R0759000 |
| 13 | Electrode O-ring | R0738500 |
| 14 | Saddle clamp top | R0767900 |
| 15 | Flat hose joint 1 ½" (UK) | R0767800 |
| | Flat hose joint DN50 mm & DN63 mm (EU) | R0769700 |
| 16 | UK pipe adapter (1 ½") | R0770200 |
| | EU pipe adapter (DN50 mm) | R0770000 |
| 17 | Saddle clamp top | R0768400 |
| 18 | Hole saw 22 mm for pipe drilling | R0797300 |
| 19 | Locking ring wrench ( not included in the pack) | R0769900 |

| Position | Description | Reference |
|----------|-------------|-----------|
| 1 | Cover assembly with lexan & control PCB | R0664000 |
| 2 | Transformer kit | R0609700 |
| 3 | Power PCB (with thermal paste & screws) | R0664100 |
| 4 | Cable glands kit (x4) | R0664300 |
| 5 | Cell cable | R0664200 |
| 6 | Mains supply cable | R0625100 |
| 7 | M205 2.5 A T Fuse | W110201 |
| 8 | Cover screw set (9 x M4/17 & 3 x M4/8) | R0609400 |
| 9 | Winterizing cap for cell | R0770100 |
| 10 | Cell cap | R0768000 |
| 11 | Electrode tightening ring | R0768200 |
| 12 | Complete GenSalt OE 10 electrode | R0758800 |
| | Complete GenSalt OE 17 electrode | R0758900 |
| | Complete Ei² 25 electrode | R0759000 |
| 13 | Electrode O-ring | R0738500 |
| 14 | Saddle clamp top | R0767900 |
| 15 | Flat hose joint 1 ½" (UK) | R0767800 |
| | Flat hose joint DN50 mm & DN63 mm (EU) | R0769700 |
| 16 | UK pipe adapter (1 ½") | R0770200 |
| | EU pipe adapter (DN50 mm) | R0770000 |
| 17 | Saddle clamp top | R0768400 |
| 18 | Complete DN50 mm saddle clamp (adaptable to 1 ½ '' UK) | W013010 |
| | Complete DN63 mm saddle clamp (adaptable to 2 '' UK) - not included in the product | W013011 |
| 19 | 3/4"x1/2" adapter for flow switch | R0797200 |
| 20 | Ei² Expert flow switch | R0773400 |
| 21 | Hole saw 22 mm for pipe drilling | R0797300 |
| 22 | Locking ring wrench ( not included in the pack) | R0769900 |

| Position | Description | Reference |
|---|---|---|
| 1 | Wall mount kit w/ screws | R0821100 |
| 2 | Device power cord | R0821200 |
| 3 | Cable gland kit | R0821600 |
| 4 | Power supply electronic card eXO® iQ / eXO® iQ LS | R0821700 |
| 5 | HMI Wi-Fi control card | R0822300 |
| 6 | Cell cable | R0822500 |
| 7 | eXO® iQ black cover | R0822700 |
| 7 | eXO® iQ LS blue cover | R0822800 |
| 8 | Soft grommet | R0823000 |
| 9 | HMI control card cable | R0823100 |
| 10 | eXO® iQ / eXO® iQ LS grey upper housing | R0823200 |
| 11 | Chassis O-ring | R0823600 |
| 12 | Flow switch with connector | R0823800 |
| 13 | Temperature sensor kit (with  4,5 m cable + O-ring + stainless steel collar) | R0823900 |
| 14 | Ground connection kit (x5) | R0824000 |
| 15 | eXO® iQ / eXO® iQ LS grey lower housing | R0824200 |
| 16 | Complete DN50 mm saddle clamp (adaptable to 1 ½ '' UK) | W013010 |
| 17 | Complete DN63 mm saddle clamp (adaptable to 2 '' UK) - not included in the product | W013011 |
| 18 | 3/4"x1/2" adapter for flow switch | R0797200 |
| 19 | TRi cell protective cap | R0740800 |
| 19 | eXO® iQ LS cell protective cap blue | R0742300 |
| 20 | Electrode tightening ring | R0740600 |
| 21 | Electrode O-ring (x2) | R0739000 |
| 22 | Empty TRi cell body | R0740200 |
| 23 | Barrel union Oring (x2) | R0737700 |
| 24 | Barrel union set for TRi DN63 mm / 2" | R0748700 |
| 25 | PVC DN50 mm adapter to glue | R0768600 |
| 26 | PVC 1 ½' adapter to glue (UK) | R0770300 |
| 27 | Screws 4*12 mm (x5) | R0516700 |
| 28 | Screws 2,2*6,5 mm (x5) | R0564500 |
| 29 | Complete TRi 10 electrode | R0758400 |
| 29 | Complete eXO® iQ 10 electrode | R0635200 |
| 29 | Complete TRi 18 electrode | R0758500 |
| 29 | Complete eXO® iQ 18 electrode | R0635201 |
| 29 | Complete TRi 22 electrode | R0758600 |
| 29 | Complete TRi 35 electrode | R0758700 |

| Position | Description | Reference |
|---|---|---|
| 1 | pH Buffer solution kit (6x pH 4 and 6x pH 7) | R0824400 |
| 2 | ORP buffer solution kit (6x 470 mV) | R0824500 |
| 3 | Sensor holder and pH sensor P19 with 3 m BNC cable kit | R0868700 |
| 4 | Sensor holder and ORP sensor P19 with 3 m BNC cable kit | R0868800 |
| 5 | Sensor holder P19 - starting 2019 | R0824600 |
| 6 | Module electronic card cable | R0824700 |
| 7 | Peristaltic pH pump roller | R0824800 |
| 8 | Complete peristaltic pH pump | R0824900 |
| 9 | pH Link module lower housing | R0825000 |
|   | Dual Link module lower housing | R0825100 |
| 10 | pH Link module electronic card | R0825200 |
|    | Dual Link module electronic card | R0825300 |
| 11 | Module back cover | R0825400 |
| 12 | Peristaltic pump head with hose (with connectors)  modules 2019 | R0825600 |
| 13 | pH pump translucent window | R0825700 |
| 14 | Screws 4*12 mm (x5) | R0516700 |
| 15 | Hole saw 22 mm for pipe drilling | R0797300 |
| 16 | Ceramic counter-weight | R0741200 |
| 17 | Ceramic counter-weight retaining nozzle for suction hose | R0797100 |
| 18 | Injection check valve - ½" | R0738100 |
| 19 | Threaded plug ½" (+ oring) | R0740500 |
| 20 | Electrode tightening ring | R0768200 |
| 21 | POD  (+ threaded adapter for flow detector) | R0749000 |
| 22 | Electrode O-ring | R0738500 |
| 23 | Saddle clamp top | R0767900 |
| 24 | Flat hose joint DN50 mm & DN63 mm (EU) | R0769700 |
| 25 | Flat hose joint 1 ½" (UK) | R0767800 |
| 26 | EU pipe adapter (DN50 mm) | R0770000 |
| 27 | UK pipe adapter (1 ½") | R0770200 |
| 28 | Saddle clamp top | R0768400 |
| 29 | POD Kit | R0534900 |
| 30 | Polyethylene correcting fluid injector tube 4x6 mm (5 meters) | R0748200 |
| 31 | Locking ring wrench ( not included in the pack) | R0769900 |
| 32 | O-ring kit ( pH/POD cork o-ring x 2 &  P19 sensor holder o-ting x2) | R0830700 |
| 33 | Complete anti-emission suction pipe | R0808000 |

| Position | Description | Reference |
|---|---|---|
| 1 | Wall mount kit w/ screws | R0821100 |
| 2 | Device power cord | R0821200 |
| 3 | Cable gland kit | R0821600 |
| 4 | Power supply electronic card Hydroxinator® iQ | R0821800 |
| 5 | HMI Wi-Fi control card | R0822300 |
| 6 | Cell cable | R0822500 |
| 7 | Hydroxinator® iQ cover | R0822900 |
| 8 | Soft grommet | R0823000 |
| 9 | HMI control card cable | R0823100 |
| 10 | Hydroxinator® iQ grey upper housing | R0823300 |
| 11 | Chassis O-ring | R0823600 |
| 12 | Flow switch with connector | R0823800 |
| 13 | Temperature sensor kit (with 4,5 m cable + O-ring + stainless steel collar) | R0823900 |
| 14 | Ground connection kit (x5) | R0824000 |
| 15 | Hydroxinator® iQ grey lower housing | R0824300 |
| 16 | Complete DN50 mm saddle clamp (adaptable to 1 ½ '' UK) | W013010 |
| 17 | Complete DN63 mm saddle clamp (adaptable to 2 '' UK) - not included in the product | W013011 |
| 18 | 3/4"x1/2" adapter for flow switch | R0797200 |
| 19 | eXO® iQ LS cell protective cap blue | R0742300 |
| 20 | Electrode tightening ring | R0740600 |
| 21 | Electrode O-ring (x2) | R0739000 |
| 22 | Empty TRi cell body | R0740200 |
| 23 | Barrel union Oring (x2) | R0737700 |
| 24 | Barrel union set for TRi DN63 mm / 2" | R0748700 |
| 25 | PVC DN50 mm adapter to glue | R0768600 |
| 26 | PVC 1 ½' adapter to glue (UK) | R0770300 |
| 27 | Screws 4*12 mm (x5) | R0516700 |
| 28 | Screws 2,2*6,5 mm (x5) | R0564500 |
| 29 | Complete eXO® iQ 10 electrode | R0635200 |
|  | Complete eXO® iQ 18 electrode | R0635201 |
|  | Complete eXO® iQ 22 electrode | R0635202 |
|  | Complete eXO® iQ 35 electrode | R0635203 |
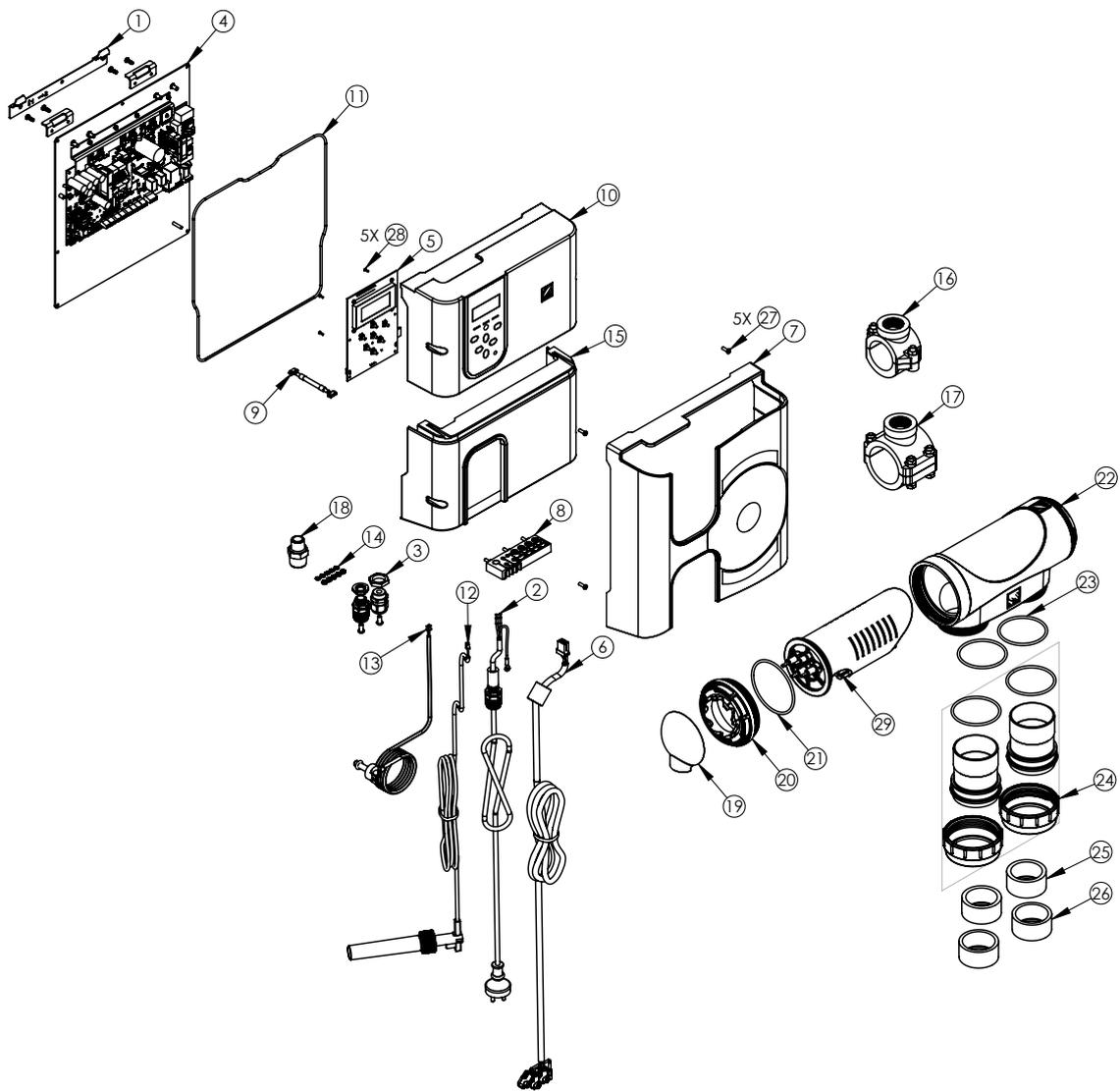
# Ei

Spare Parts

| Position | Description | Reference |
|:---:|:---|:---:|
| 1 | Wall mount kit w/ screws | W012781 |
| 2 | Power supply set (aluminium chasis + card + ventilator) | W083073 |
| 3 | M205 3.15 A T Fuse | W110091 |
| 4 | 4x¼" fixing screws for electronic board (x4) | R0743400 |
| 5 | Control PCB | W083061 |
| 6 | Ei control unit plastic cover - 1 piece complete | W043590* |
| | Ei control unit plastic cover / top part | W043591 |
| | Ei control unit plastic bottom rail | W043592 |
| 7 | Ei control panel sticker | W177000 |
| 8 | M3x12 mm fixing screws for Ei plastic cover | W001481 |
| 9 | Ei upper cover silver | W043780** |
| 10 | Cable grip for mains power supply | W001371 |
| 11 | Mains supply cable with EU plug | W052650 |
| 12 | Cable grip for cell power supply | R0768100 |
| 13 | Complete cell mains supply cable | R0740300 |
| 14 | Cell cap | R0768000 |
| 15 | Electrode tightening ring | R0768200 |
| 16 | Complete GenSalt OE 10 electrode | R0758800 |
| | Complete GenSalt OE 17 electrode | R0758900 |
| | Complete Ei² 25 electrode | R0759000 |
| 17 | Electrode O-ring | R0738500 |
| 18 | Saddle clamp top | R0767900 |
| 19 | Flat hose joint 1 ½" (UK) | R0767800 |
| | Flat hose joint DN50 mm & DN63 mm (EU) | R0769700 |
| 20 | UK pipe adapter (1 ½") | R0770200 |
| | EU pipe adapter (DN50 mm) | R0770000 |
| 21 | Saddle clamp top | R0768400 |
| 22 | Complete flow switch (+ cable and jack 3.5 mm) - before 2017 | R0737500 |
| 23 | 3/4"x1/2" adapter for flow switch | R0797200 |
| 24 | Complete DN50 mm saddle clamp (adaptable to 1 ½ '' UK) | W013010 |
| | Complete DN63 mm saddle clamp (adaptable to 2 '' UK) - not included in the product | W013011 |
| 25 | Locking ring wrench ( not included in the pack) | R0769900 |
| 26 | Hole saw 22 mm for pipe drilling | R0797300 |
| 27 | Winterizing cap for cell | R0770100 |
| 28 | 3.5 mm female plug jack | R0749600 |
| 29 | 4-way cable connector (x2) | R0737900 |

* : Available while stock lasts. Replaced by 2 parts W043591 & W043592.
** : Available while stock lasts. Will be replaced by W043600 (same part with different finish).

| Position | Description | Reference |
|---|---|---|
| 1 | Wall mount kit w/ screws | R0740700 |
| 2 | Complete cell mains supply cable | R0740300 |
| 3 | Cable grip for cell power supply | R0768100 |
| 4 | Power supply set (aluminium chasis + card + ventilator) | W082981 |
| 5 | M205 2.5 A T Fuse | W110201 |
| 6 | 4x¼" fixing screws for electronic board (x4) | R0743400 |
| 7 | "AUS" female Type plug | R0741300 |
| 8 | Cable grip for mains power supply | R0742900 |
| 9 | Mains supply cable | R0741501 |
| 10 | Male 3 pin plug "AUS" Type | R0768700 |
| 11 | Control PCB | W082993 |
| 12 | M4x6 mm lower fixing screw for main cover (x4) | R0741400 |
| 13 | Lower cover for standard TRi | R0742500 |
| 14 | Main cover for control unit with TRi with control panel label (blue & yellow) | R0743204 |
| 14 | Main cover for control unit with TRi  with black control panel label | R0743203 |
| 14 | Main cover for control unit with TRi LS with black control panel label | R0743205 |
| 15 | Transparent plexi protection cover for control panel | R0741800 |
| 16 | M4x20 mm fixing screws for covers (box and lower cover) (x4) | R0743000 |
| 17 | M3x5 mm fixing screws for lower plate (x2) | R0742400 |
| 18 | Silver TRi housing cover | R0744100 |
| 18 | Black TRi Expert housing cover | R0741000 |
| 19 | Complete flow switch (+ cable and jack 3.5 mm) - before 2017 | R0737500 |
| 19 | Complete flow switch (+ cable) - after 2017 | R0792800 |
| 20 | 3/4"x1/2" adapter for flow switch | R0797200 |
| 21 | Complete DN50 mm saddle clamp (adaptable to 1 ½ '' UK) | W013010 |
| 21 | Complete DN63 mm saddle clamp (adaptable to 2 '' UK) - not included in the product | W013011 |
| 22 | TRi cell protective cap | R0740800 |
| 23 | Electrode tightening ring | R0740600 |
| 24 | Electrode O-ring (x2) | R0739000 |
| 25 | Complete TRi 10 electrode | R0758400 |
| 25 | Complete TRi LS 10 electrode | R0806300 |
| 25 | Complete TRi 18 electrode | R0758500 |
| 25 | Complete TRi LS 18 electrode | R0806400 |
| 25 | Complete TRi 22 electrode | R0758600 |
| 25 | Complete TRi 35 electrode | R0758700 |
| 26 | Empty TRi cell body | R0740200 |
| 27 | Barrel union Oring (x2) | R0737700 |
| 28 | Barrel union set for TRi DN63 mm / 2" | R0748700 |
| 29 | PVC DN50 mm adapter to glue | R0768600 |
| 30 | PVC 1 ½' adapter to glue (UK) | R0770300 |
| 31 | 3.5 mm female plug jack | R0749600 |
| 32 | 4-way cable connector (x2) | R0737900 |

ZODIAC® 2020

| Position | Description | Reference |
|----------|-------------|-----------|
| 1 | Wall mount kit w/ screws | R0740700 |
| 2 | Complete cell mains supply cable | R0740300 |
| 3 | Cable grip for cell power supply | R0768100 |
| 4 | Power supply set (aluminium chasis + card + ventilator) | W082981 |
| 5 | M205 2.5 A T Fuse | W110201 |
| 6 | 4x¼" fixing screws for electronic board (x4) | R0743400 |
| 7 | "AUS" female Type plug | R0741300 |
| 8 | Cable grip for mains power supply | R0742900 |
| 9 | Mains supply cable | R0741501 |
| 10 | Male 3 pin plug "AUS" Type | R0768700 |
| 11 | Hydroxinator® control PCB | R0615400 |
| 12 | M4x6 mm lower fixing screw for main cover (x4) | R0741400 |
| 13 | Lower cover for standard TRi | R0742500 |
| 14 | Main cover for control unit with Hydroxinator® control panel label | R0743201 |
| 15 | Transparent plexi protection cover for control panel | R0741800 |
| 16 | M4x20 mm fixing screws for covers (box and lower cover) (x4) | R0743000 |
| 17 | M3x5 mm fixing screws for lower plate (x2) | R0742400 |
| 18 | Hydroxinator® blue housing cover | R0742600 |
| 19 | Complete flow switch (+ cable and jack 3.5 mm) - before 2017 | R0737500 |
| | Complete flow switch (+ cable) - after 2017 | R0792800 |
| 20 | 3/4"x1/2" adapter for flow switch | R0797200 |
| 21 | Complete DN50 mm saddle clamp (adaptable to 1 ½ '' UK) | W013010 |
| | Complete DN63 mm saddle clamp (adaptable to 2 '' UK) - not included in the product | W013011 |
| 22 | eXO® iQ LS cell protective cap blue | R0742300 |
| 23 | Electrode tightening ring | R0740600 |
| 24 | Electrode O-ring (x2) | R0739000 |
| 25 | Complete eXO® iQ 10 electrode | R0635200 |
| | Complete eXO® iQ 18 electrode | R0635201 |
| | Complete eXO® iQ 22 electrode | R0635202 |
| | Complete eXO® iQ 35 electrode | R0635203 |
| 26 | Empty TRi cell body | R0740200 |
| 27 | Barrel union Oring (x2) | R0737700 |
| 28 | Barrel union set for TRi DN63 mm / 2" | R0748700 |
| 29 | PVC DN50 mm adapter to glue | R0768600 |
| 30 | PVC 1 ½' adapter to glue (UK) | R0770300 |
| 31 | 3.5 mm female plug jack | R0749600 |
| 32 | 4-way cable connector (x2) | R0737900 |

Spare Parts

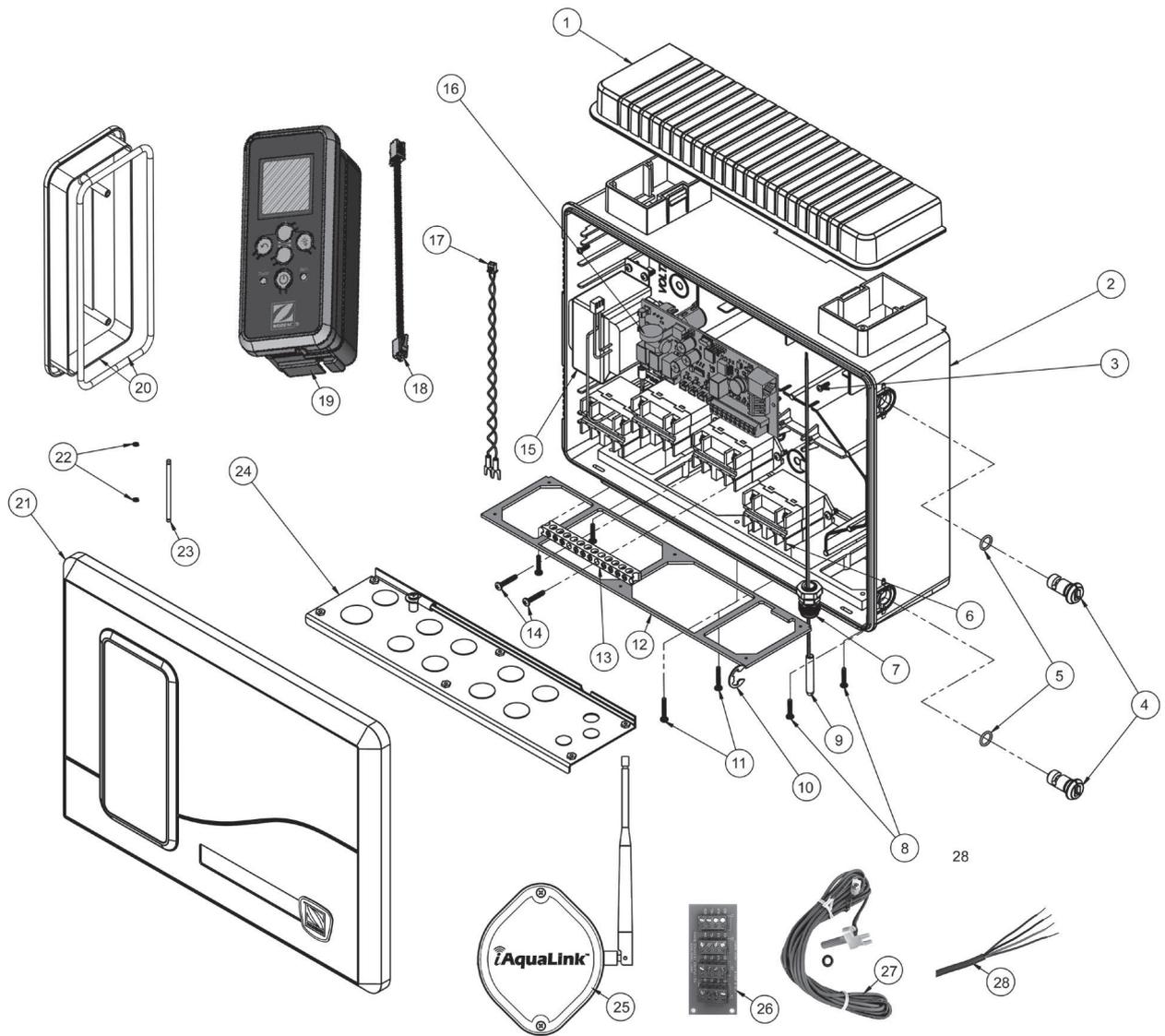| Position | Description | Reference |
|---|---|---|
| 1 | 4x¼" fixing screws for electronic board (x4) | R0743400 |
| 2 | Module electronic board protection | R0743300 |
| 3 | pH electronic board (TRi pH & pH Link) | W083001 |
| | pH & ACL electronic board (TRi PRO & Dual Link) | W083011 |
| 4 | TRi module plastic cover (without sticker) | R0745303 |
| 5 | M4x20 mm fixing screws for covers (box and lower cover) (x4) | R0743000 |
| 6 | Hole saw 22 mm for pipe drilling | R0797300 |
| 7 | Ceramic counter-weight | R0741200 |
| 8 | Ceramic counter-weight retaining nozzle for suction hose | R0797100 |
| 9 | M3x5 mm fixing screws for lower plate (x2) | R0742400 |
| 10 | Peristaltic hose connector (per item: 2 per hose) | R0740400 |
| 11 | Peristaltic hose (no connectors) | R0737300 |
| 12 | M3x6 mm fixing screws for peristaltic pump motor (x4) | R0744200 |
| 13 | Peristaltic pump protection cover | R0742800 |
| 14 | Peristaltic pump head with hose (no connectors) | R0740100 |
| 15 | Peristaltic pump motor | R0750700 |
| 16 | Polyethylene correcting fluid injector tube 4x6 mm (5 meters) | R0748200 |
| 17 | Buffer solution "pH 7.5" (70 mL) | R0800900 |
| 18 | Buffer solution "ORP 700 mV" (70 mL) | R0801000 |
| 19 | Injection check valve - ½" | R0738100 |
| 20 | Reinforced sensor holder | W013016 |
| | Sensor holder P19 - starting 2019 | R0824600 |
| 21 | Sensor holder and pH sensor P19 with 3 m BNC cable kit - starting 2019 | R0868700 |
| | Sensor holder and ORP sensor P19 with 3 m BNC cable kit - starting 2019 | R0868800 |
| 22 | Threaded plug ½" (+ oring) | R0740500 |
| 23 | Electrode tightening ring | R0768200 |
| 24 | POD (+ threaded adapter for flow detector) | R0749000 |
| 25 | Electrode O-ring | R0738500 |
| 26 | Saddle clamp top | R0767900 |
| 27 | Flat hose joint DN50 mm & DN63 mm (EU) | R0769700 |
| | Flat hose joint 1 ½" (UK) | R0767800 |
| 28 | EU pipe adapter (DN50 mm) | R0770000 |
| | UK pipe adapter (1 ½") | R0770200 |
| 29 | Saddle clamp top | R0768400 |
| 30 | POD Kit | R0534900 |
| 31 | 3 m BNC cable extension for pH & ACL "Z54" sensors | R0635800 |
| 32 | Complete anti-emission suction pipe | R0808000 |

| Position | Description | Reference |
|---|---|---|
| \ | LM/D PCB fixing screw (M3X8 mm) | W000351 |
| | Insulation kit LM/D Series power PCB | W000651 |
| | LM/D Series PCB stand off | W001091 |
| | LM Fuse holder 5x20mm | R0769600 |
| 1 | LM/D Series barrel union  1½" (with Oring, UK) | R0748900 |
| | LM/D Series barrel union DN50 mm (with Oring) | R0737200 |
| 2 | LM TS 2 A replacement fuse (fits LM1 & D Series) | R0749200 |
| 3 | LM2 S resetable fuse | W111071 |
| 4 | LM2-10, 15 & 24 transformer (220-240 V / 17.5 V) | W130591 |
| | LM2-40 transformer (220-240 V / 24 V) | W130421 |
| \ | Complete LM2 cell mains supply cable (with connectors) | W193201 |
| | Empty LM2 cell housing (for after sales operations) | W200701 |
| 5 | Complete LM2-10 Cell | R0759100 |
| | Complete LM2-15 Cell | R0759200 |
| | Complete LM2-24 Cell | R0759300 |
| | Complete LM2-30 Cell | R0759400 |
| | Complete LM2-40 Cell | R0759500 |
| 6 | LM2 power PCB | W222091 |
| 7 | LM2 S control PCB | W222111 |
| 8 | LM2 TS pump supply PCB | W222131 |
| \ | LM2 S mains filter PCB | W222241 |
| 9 | LM2 TS control PCB (manufacturing date > 09/2007)* | W082741 |
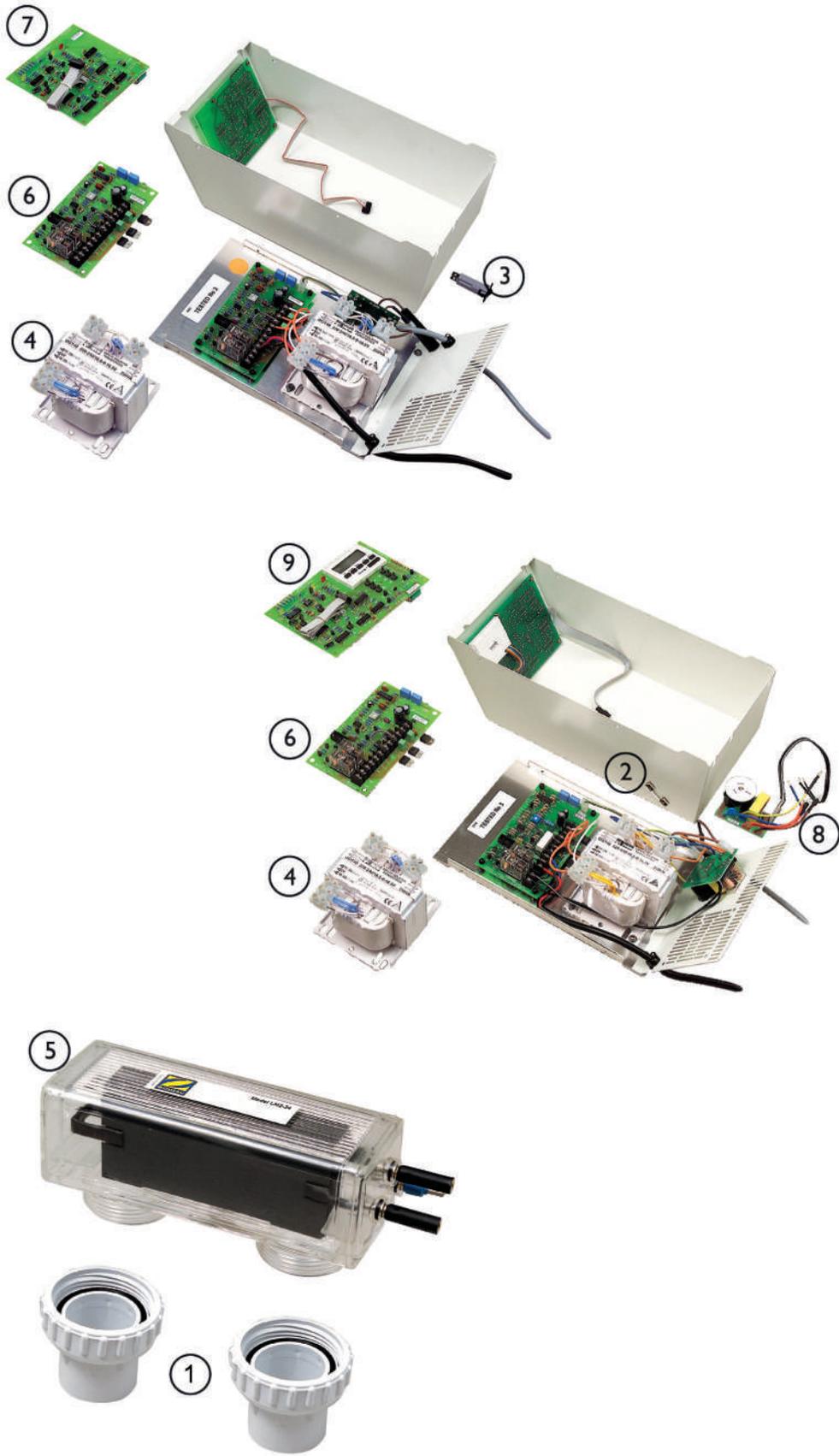
* Power PCB must be replaced with a W222091 at the same time if control PCB is replaced on an unit manufactured before September 2007.

| Position | Description | Reference |
|---|---|---|
| 1+2 | R-Kit AquaLink TRi enclosure complete (enclosure + cover + 2 screws) | R0569700 |
| 1+3 | R-Kit top vent cover (cover + 2 screws) | R0568900 |
| 4+5+10 | R-Kit door tumblers (2 tumblers + 2 Orings + 2 e-clips) | R0568400 |
| 6+17 | R-Ki relay (relay + 24 V wiring) | R0658100 |
| 7 | R-Kit cable glands (2 x M12, 9 x M20 & 1 x M25) | R0569500 |
| 9 | R-Kit air temp sensor (with 5 m cable) | R0568500 |
| 8+11+12+24 | R-Kit metal base plate (plate + seal + 6 screws) | R0569100 |
| 13+14 | R-Kit grounding bar (bar + 2 screws) | R0568700 |
| 15 | R-Kit 220-240 VAC / 50 Hz transformer (with fixing screws) | R0569300 |
| 16 | R-Kit main power PCB (with 2 screws) | R0568200 |
| 18+19 | R-Kit user interface assembly (enclosure + Oring + control PCB + 2 screws + RJ11 comms cable / Pool only) | R0568300 |
| 20 | R-Kit blanking plate assembly (plate + Oring + metal plate + 2 screws + 5 m comms cable) | R0568600 |
| 21+22+23 | R-Kit AquaLink TRi door assembly (door + hinge pins + name & brand labels / WITHOUT user interface) | R0569401 |
| 25 | R-Kit iAquaLink iQ20 antenna (with USB cable & screws) | IQ20-E |
| 26 | R-Kit multiplex board (to be used when more than 2 RS485 cables are connected) | R0570200 |
| 27 | R-Kit water/solar temp sensor (with 15 m cable + Oring + stainless steel collar) | R0570100 |
| 28 | RS485 cable for connecting iAquaLink ™ compatible devices - 30 m | R0809300 |
| \ | R-Kit ø4 x 3/8" screws x6  (for PCB or top vent cover) | R0741700 |
| | R-Kit ø6 x 3/8" scrws x12 (for relays or transfomer) | R0741600 |

## 1 - SCOPE AND DATE OF EFFECT OF THE GENERAL TERMS OF SALE

These general terms of sale (hereinafter the «GTS») apply as of 1 January 2018 and cancel and replace any earlier general terms of sale of Zodiac Pool Care Europe (hereinafter «ZPCE») that may appear in ZPCE documents or have been agreed by any other means.

The GTS apply to all Zodiac Products taken as a whole or within categories (hereinafter the «Products»), sold by ZPCE to its Customers (hereinafter «Customers») both in mainland France and abroad. ZPCE and its Customer are hereinafter referred to as «the Parties».

The GTS have been drawn up in compliance with the principle of transparency that governs relations between ZPCE and its Customers and form an integral part of the ZPCE price terms. Under article L 441-6 of the French Code of Commerce, these GTS form the basis of commercial negotiation between ZPCE and its Customers and the framework for their business relations. Except in the case of prior, written and express exemption by ZPCE, any order of Products by a Customer from ZPCE, whatever the origin, entails acceptance of the GTS, which cancel any contradictory clause that may be included in the purchasing terms, contracts, documents or correspondence of the Customer.

It is expressly understood that ZPCE is not bound to accept any purchasing terms or demands from the Customer that are abusive, exorbitant or which deviate from the GTS. Under article L 442-6 of the French Code of Commerce, the Customer is prohibited from demanding that ZPCE grant it terms that cause a significant imbalance in the rights and obligations agreed between the Parties under their business agreement.

Under article L 442-6 of the French Code of Commerce, the Customer is also prohibited from demanding that ZPCE align its terms with business terms that the Customer deems more favourable and that it may have granted to other Customers on an individual basis.

## 2 – OPENING AN ACCOUNT AND TERMS OF CREDIT

Any potential Customer must request the opening of an account with ZPCE prior to placing its first order, in compliance with the procedure in place at ZPCE. When the request is received, an external service company, appointed by ZPCE, will perform a financial analysis of the creditworthiness of the potential Customer. ZPCE reserves the right to refuse to open an account or, subsequently, grant a line of credit to a Customer if the financial information does not satisfy ZPCE criteria for creditworthiness. The Customer may, however, supply ZPCE with supplementary information to the financial analysis performed by the service company and/or provide ZPCE with guarantees in order to open the account.

## 3 - ORDERS

The information, standards and characteristics specified in ZPCE paper or electronic documentation (catalogue, notices, sheets, leaflets, brochures, mailshots, etc.) are provided for information purposes only. ZPCE reserves the right to make any appropriate changes to the Products, even during the order processing stage, provided that the essential characteristics and performances of the Products remain unaffected.

All orders must be placed in writing (fax and e-mail also acceptable) and must be duly signed by the Customer, specifying the reference(s) of the ordered Product(s).

Orders are only considered final once they have been accepted by ZPCE. If no written reply has been received from ZPCE within twenty-four (24) hours of receiving the order, the order shall be deemed to have been tacitly accepted by ZPCE, subject to strict compliance by the Customer with the GTS provisions. When orders are received after 12 PM, the time period for tacit acceptance begins at 9 AM the following morning. ZPCE reserves the right to refuse any order that contains anomalies or that does not contain sufficient information to fulfil the said order.

The Customer acknowledges that it has sufficient experience and competence to assess its requirements for Products and that it has received the information needed to order Products in full knowledge of the facts. Subsequently, it is the responsibility of the Customer to ensure that the characteristics of the ordered Products correspond both to the performance and implementation for the use for which they are intended.

All orders are irreversible once acknowledged by ZPCE and no cancellations or modifications can be made after receipt of the order acknowledgement issued by ZPCE. Subsequently, any cancellation or modification of the order by the Customer incurs customer liability and obliges the Customer to compensate ZPCE for its disbursements and lost profit on the Products manufactured or those Products being manufactured.

The Customer can place Orders with ZPCE in a number of ways: By sending a letter, e-mail or fax to ZPCE; For pre-season orders:
• By direct order via a remote order system. An acknowledgement of receipt is created and sent to the Customer by e-mail;
• By letter, e-mail or fax.

## 4 - PRICES

The Products are invoiced at the price in force on the date on which ZPCE issues the order confirmation. Prices are in Euros and do not include VAT.

France: Shipping costs will be invoiced in accordance with the scale in force on the date on which ZPCE issues the order confirmation.

Export: All issues regarding shipping costs, insurance, customs duties and risk transfer shall be regulated by the Incoterm (ICC 2010 version) applicable to the sale agreed between the Customer and ZPCE. The sending of prices does not constitute a firm offer on the part of ZPCE.

ZPCE reserves the right to modify its prices at any time, without warning, in the event of it becoming more costly for ZPCE to fulfil its obligations, such as in the event of changes to economic conditions. In particular, this includes increases in the cost of raw materials taken into account when calculating the cost price of a product, employee costs, transport costs or taxes generated. ZPCE can also modify its price list at any time, provided six (6) weeks' notice is given. These price modifications are applicable in accordance with article L 442-6, I, 12 of the French Code

of Commerce. In addition to this price, in France there is a «visible contribution» to the eco-contribution set by the current official scale of tariffs (see Article 16).

## 5 - DELIVERY TERMS AND SCHEDULE

If the delivery is DAP (ICC Incoterm 2010, formerly DDU), ZPCE shall manage and organise transport. The delivery deadline shall be understood to refer to reception of the Products at the Customer's premises and the Customer shall be responsible for ensuring that the delivered Products are compliant and present in their entirety.

ZPCE and the Customer may, however, decide that the Products shall be delivered under the regime of another Incoterm (CCI version 2010). In this case, the Incoterm shall set out the method and cost of transport, payment of customs duties and the time of transfer of risk for the Products. If the chosen Incoterm implies that ZPCE is responsible and bears the risk of the Products, ZPCE shall freely organise carriage of the Products. ZPCE shall not be liable in the case of partial or total failure, whether temporary or permanent, to complete an order where the cause for said failure is beyond its control due to the seasonal nature of the Products, in particular the inability to operate the company under normal conditions, the lack of materials required for manufacture and the inability to deliver or arrange delivery. This shall not result in the cancellation or refusal of orders in progress, or reconsideration of the price, or deductions, compensation or penalties of any kind. ZPCE may make full or partial deliveries. In the event of a partial delivery, each delivery shall be considered a full sale for which payment is due.

Delivery schedule:

Failure to comply with the delivery schedule shall not in any event result in cancellation of the order. In the event of an unusually high number of Products being ordered by the Customer, namely an increase of over 15% in the number of Products ordered during the same month of the previous year, ZPCE reserves the right to modify the delivery schedule and shall notify the Customer of this change. In addition, ZPCE shall not be liable for any delays in delivery due to an unusually high order. In this context, the Customer may not demand any late delivery penalties.

## 6 - TRANSFER OF RISK

Transfer of risk shall take place according to the Incoterm (ICC version 2010) chosen by the Customer and ZPCE.

Therefore, from the time at which the risk is transferred to the Customer, according to the chosen Incoterm, the Customer shall bear the cost of any damage that the products may suffer or cause, for whatever reason, even in cases of force majeure, unforeseeable circumstances or due to third-party action. Consequently the liability of ZPCE may not be invoked beyond the time at which the risk is transferred to the Customer, as defined in the chosen Incoterm (ICC version 2010).

The Customer must therefore take out an insurance policy covering the risks borne by the Products from the time of the transfer of risk and notify ZPCE as soon as possible of any event that may affect the insurance policy.

## 7 - COMPLIANCE – ACCEPTANCE

The condition, compliance, absence of visible defects and the number of Products must be verified by the Customer during the risk transfer at the time when the chosen Incoterm (ICC version 2010) indicates that the risk transfers to the Customer.

The costs and risks involved in verifying the Products are the responsibility of the Customer. Any claim, reservation or dispute regarding any missing and/or damaged items and/or defects and/or anomalies must be recorded on the documents supplied during the transfer of risk (for example, on the delivery note or CMR in the presence of the driver and notified by registered mail with acknowledgement of receipt to both the haulage company and ZPCE within 3 (three) working days of the delivery of the Products).

The Customer must prove the existence of any missing or damaged items, defects or anomalies concerning the Products. ZPCE reserves the right to make any on-site verifications either directly or via a representative or subcontractor. Any wording such as «subject to verification» or «pallets or boxes intact, but Products damaged» shall not be taken into account. The liability of ZPCE, within the context of the aforementioned reservations, is strictly limited to reimbursement of the disputed Products, at their invoiced price, or their exchange, and excludes any further compensation. In the absence of any reservation or claim formulated by the Customer in accordance with the stipulations of this Article, the Products sent during the transfer of risk shall be deemed compliant.

## 8 - GUARANTEES

### Principles

Unless stipulated otherwise, ZPCE provides a contractual guarantee for the proper functioning of new Products. ZPCE guarantees that the Products meet their technical specifications and are exempt from any material or manufacturing faults, as well as guaranteeing that they correspond to developments in techniques and best industry practice in effect at the time at which said Products are marketed. Any later alterations made to the Products by the Customer (improvements or alterations to technologically advance the Product) are not covered by the guarantee.

In all events, this guarantee is limited, at the convenience of ZPCE, to either the repair of the Product, or exchange for a new or reconditioned product, or reimbursement of any Products that are acknowledged as faulty by ZPCE. Shipping and dispatch costs of repaired Products or Products replaced and delivered to ZPCE Customers shall be paid by ZPCE. Labour, travel and/or accommodation costs incurred by ZPCE for repairs performed in France and outside mainland France are excluded. The terms of guarantee formally exclude any additional compensation. Any Product returns must first be decided upon and accepted by ZPCE. No returns made on the initiative of the Customer shall be accepted by ZPCE.

In particular, the spare parts guarantee only applies once ZCPE has analysed and assessed the returned parts and then decided to replace the said parts.

The retailer's statutory guarantee still applies. In order for the guarantee covering any Product

to apply, the Customer and end user must have respected the following parameters concerning swimming pool water balance:

• pH: 6.8 < pH < 7.6
• free chlorine (*): < 3.0 mg/L
• total chlorine (*): < 4.0 mg/L or total bromine (*): < 5.0 mg/L
• stabiliser (**): < 75 mg/L
• total dissolved metals (including iron, manganese, copper and zinc): < 0.1 mg/L
(*): Cleaning devices MUST be removed from the pool during shock treatment.
(**): < 30 mg/L if ACL or Redox regulation is used.
Note: Use of borehole, well or rain water is proscribed. In order for the guarantee covering any Product to apply, the Customer and end user must have complied with the installation and maintenance instructions. As regards the ranges of heat pumps, dehumidifiers, water treatment systems, automation systems and filtration equipment, the guarantee shall only apply if the Products have been installed by a professional installer.

### General restrictions

This guarantee does not apply to any manifest defects of the Products, namely visible defects that have not been declared by the Customer or end user on delivery of the Products. The following are also excluded: defects or deterioration caused by unsuitability of the Product for end user requirements, normal wear and tear, negligence, incorrect installation or use that does not comply with the recommendations specified on the device operating instructions or on quotations and instructions issued by ZPCE, maintenance that does not comply with the device operating instructions supplied at the time of sale and/or an accident when handling the apparatus, incorrect storage.

Any changes made to the Products by the Customer, end user or any third party shall automatically end the guarantee in its entirety. This also applies to cases where original parts have been replaced by parts not sold by ZPCE. In addition, the Customer must ensure the Products are compatible with existing swimming pool equipment by contacting the various manufacturers concerned, as well as the installation and start-up rules to be respected for the proper functioning of the system as a whole. The guarantee shall be cancelled if the Product(s) is/are transferred to a third party. The guarantee only applies if the Product still carries its original identification label and serial number. In the event of a Product being returned to ZPCE workshops, the outbound shipping costs shall be paid by the end user and/or Customer. No compensation shall be awarded for the immobilisation and loss of enjoyment of a Product in the event of any repair.

### Period of guarantee

The contractual guarantee commences on the date specified on the new Product sales invoice issued by the Customer to the end user, which cannot pre-date the date on which the Product is delivered to the end user.

For all Products (excluding categories of products specifically mentioned below), the guarantee period is 2 years as of the date of the new Product sales invoice issued by the ZPCE Customer to the end user, which cannot pre-date the date on which the Product is delivered to the end user.

Any application of the guarantee is subject to presentation of the invoice. Failing this, the Customer alone shall bear all the harmful consequences for ZPCE, as regards any claim from end users under the contractual guarantee after the date of expiry.

Any periods during which the Product is immobilised for at least 7 days shall be added to the remaining guarantee period on the date on which the intervention is requested or, if earlier, the date on which the Product is made available for repair.

### Heating and Dehumidifier Systems

Unless otherwise stipulated, ZPCE provides a contractual guarantee for the proper functioning of its new Products installed and commissioned by a professional installer. This guarantee covers a 2-year period from the date of the new Product sales invoice issued by the Customer to the end user, which cannot pre-date the date on which the Products are supplied.

It is also stipulated that end users must ensure Products undergo regular maintenance by a professional installer. ZPCE only guarantees Product material and manufacturing defects acknowledged by ZPCE after inspection by the ZPCE technical department. In all cases, this guarantee does not apply to malfunction and/or deterioration of Products related to factors outside ZPCE's control (such as incorrect power supply, bypass adjustment, incorrect air distribution, poor building insulation, thermal breaks and incorrect winter storage).

Heat pump condensers carry a 5-year anti-corrosion guarantee. Any operating anomalies affecting dehumidifiers must be formally reported to ZPCE as soon as the problem is observed. In the event of an intervention by Zodiac-approved technicians, the equipment must be accessible.

### Z200, Z300, ZS500, PI20 and PM30 heat pumps

The guarantee is valid for 3 years as of the date of the new Product sales invoice issued by the Customer to the end user, which cannot pre-date the date on which the Products are supplied.

### Chlorination and regulation products

The guarantee applies without any conditions to the Hydroxinator® and salt chlorination ranges. A 3-year guarantee applies to the following products: TRi, TRi Expert, TRi Expert LS and Hydroxinator®.

MagnaPool® minerals are not guaranteed for anything other than manufacturing defects detected during and after start-up. The following items are deemed to be consumables and are therefore covered by a 1-year guarantee (excluding incorrect installation, incorrect use and wear and tear):
• pH and Redox sensors
• pH and Redox buffer solutions
• peristaltic pipes
• injection non-return valves.

### Nature² products

The guarantee is valid for 3 years as of the date of supply for the Nature² Fusion product. Nature² consumables, such as cartridges, are not guaranteed except for any manufacturing defects detected during start-up.

### Electric Robot products

The guarantee does not cover:
• Wear and tear of parts such as tyres, tracks, brushes, belts, gears and filters;
• Electrical damage caused by lightning or an incorrect electrical connection;
• Breakage due to impact, incorrect use or incorrect maintenance (including the robot, accessories and wires).
Vortex Pro and JD Clean 4X4 robotic cleaners
The guarantee is valid for 3 years as of the date of the new Product invoice issued by the Customer to the end user, which cannot pre-date the delivery date.

### Automation systems

The guarantee does not apply to malfunction and/or deterioration relating to factors outside of ZPCE's control (incorrect electrical supply, incorrect connections, poor quality Internet network and/or Wi-Fi, or an unsuitable Internet router model).

### Filter equipment (pumps, pump and filter control modules)

The guarantee is valid for 3 years as of the date of the new Product sales invoice issued by the Customer to the end user. Furthermore, the filter tank guarantee is valid for 5 years as of the date of the new Product sales invoice issued by the Customer to the end user.

Filter consumables, such as Crystal Clear filter glass, are not guaranteed for anything other than manufacturing defects detected during start-up.

## 9 - PRODUCT RETURNS

### Principles:

• Without the prior agreement of ZPCE, the Customer may not:
• Refuse any Products that have already been dispatched;
• Refuse and/or return any delivered Products;
• Refuse to pay for the Products.
In the event of return/refusal of the Products and non-compliance with the aforementioned principles, a fee for inspection/repackaging (variable according to the condition of the goods) and shipping costs shall be invoiced to the Customer.

### Procedure

• ZPCE accepts or does not accept return of the Products (except spare parts). In the case of a mistaken order, if ZPCE accepts the return, a return acceptance form shall be sent to the Customer, specifying the costs of restocking the goods (based on Products in perfect condition and depending on the actual condition when received at ZPCE premises). The customer then affixes the form to the Products. Failure to do this will result in the Products not being taken back by ZPCE.
• The Customer must return the Products at its own expense, in perfect condition, without having modified them;
• ZPCE then inspects the number and condition of the Products;
• ZPCE agrees or does not agree to take back the Products in whole or in part;
• ZPCE exchanges the Products or issues a full or partial credit note.

## 10 - PAYMENT – TERMS

### In France

Invoices are payable to the address of the ZPCE invoicing centre specified by ZPCE, by cheque, bank transfer or bill of exchange.

The payment schedule is the supplementary legal period of thirty (30) days, in accordance with the French Law on the Modernisation of the Economy (LME). However, the first order placed by the Customer is payable upfront on the day the order is placed, by cheque, bank transfer or bill of exchange. ZPCE reserves the right to modify customary practice with a Customer at any time, and to require full payment of any order prior to delivery and without discount, in the event of disclosure of a risk likely to affect the creditworthiness of the Customer. A 30% deposit shall be required for the order for any customised Products or Products requiring special manufacture. ZPCE does not offer any discount for early payment. Any discount applied by the Customer shall automatically lead to the temporary or permanent suspension of its account.

### International sales

Payment shall be made immediately upon delivery without discount by Swift transfer or, at the convenience of ZPCE, by irrevocable documentary credit confirmed by a first-tier French bank to the benefit of ZPCE in compliance with the Uniform Customs and Practice for Documentary Credits published by the International Chamber of Commerce and acknowledged at the time of signing the sales contract. The credit shall then be paid at sight and no discount shall be offered for early payment. The documents required for payment of this credit shall be those stipulated by the Incoterm (ICC version 2010) specified in Article 5. In all cases, payment shall be deemed to have been made when the funds appear in the ZPCE bank account. Invoices issued by ZPCE are always payable in Euros to the ZPCE head office. Any compensation resulting from alleged or acknowledged Customer debts is excluded. ZPCE does not offer any discount for early payment. Any abusive discount applied by the Customer shall automatically lead to the temporary or permanent suspension of its account.

## 11 - PAYMENT: LATE OR NON-PAYMENT

Any late payment of part or all of an invoice shall automatically incur late payment charges of an amount equivalent to three times the French legal interest rate, together with a flat rate payment of €40 for recovery costs, notwithstanding the option for ZPCE to request supplementary compensation, on production of proof, if recovery costs are higher than €40.

Failure to pay any instalment shall result in all existing debts being immediately payable in full. ZPCE reserves the right to claim immediate payment of all remaining debts, as well as reserving the right to suspend any deliveries until all existing invoices have been paid in full or else to cancel outstanding orders, without prejudice to exercising any legal recourse. Deduction of discounts and/or payment of rebates are subject to full payment of amounts due by the Customer to ZPCE. They shall not be due in cases of failure to comply with payment terms or any non-payments for whatever reason. Except if agreed otherwise, any amounts that may be due to the Customer for the purchase of Products cannot be offset against any amounts it may owe ZPCE. Any deductions

made by the Customer from the amount of the invoice, to which ZPCE has not agreed, shall constitute a payment incident justifying the suspension of deliveries. In all cases, under article L 442-6 of the French Code of Commerce, the Customer is prohibited from automatically deducting from any of the invoices issued by ZPCE, any penalties or rebates corresponding to failure to meet delivery dates or Product non-compliance, when the debt is not irrefutable, liquid or collectable, where ZPCE is unable to verify the accuracy of the corresponding complaint.

## 12 - LIABILITY

Notwithstanding the provisions of Articles 6 (Transfer of risks), 8 (Guarantees) and 14 (Force majeure), ZPCE may not in any way be held liable for any losses, financial damage, damage to business, Customer losses or losses of orders subsequent or not to the acquisition, use or resale of the Products by the Customer.

The liability of ZPCE may only be invoked on the basis of information and requirements sent in writing by the Customer, who shall be solely responsible for the accuracy and precision of the information provided.

ZPCE must be notified of any claims made against it by the Customer regarding sales completed during a given calendar year, whatever the cause or nature of the claim, by means of registered letter with acknowledgement of receipt, no later than twelve (12) months following the said year. Once this time period has expired and notwithstanding the provisions of article L 110-4 of the French Code of Commerce, no claim for the previous calendar year may be enforced by the Customer against ZPCE, which the customer expressly acknowledges and accepts. In the event of a claim recognised as justified by ZPCE, its liability shall be limited to the replacement, repair, exchange for a new or reconditioned product, or reimbursement of the Products, and no claims for compensation and/or penalties shall be admitted for any reason.

## 13 - RETENTION OF TITLE

ZPCE shall retain title of the delivered Products until they have been completely paid for by the Customer. In this respect, payment is deemed to be the actual payment into the ZPCE bank account of monies for the Products, related sales costs and any interest. The provision of a bill of exchange or other documents creating an obligation to pay does not constitute payment in the sense of this clause. Throughout the retention of title period, when the risks have been transferred to the Customer under the terms of Article 6 above, the Customer, as the depositary of the Products, must insure the Products against all risks of damage or liability and, in particular, take out a liability insurance policy to cover the Products on behalf of ZPCE, at its own cost. The Customer must allow all delivered and unpaid Products to be reclaimed any time. It is expressly agreed that Products in stock at the Customer's premises are deemed to correspond to unpaid invoices.

Any Customer authorised to re-sell the delivered Products in the normal course of its business must immediately notify ZPCE of any seizure of the Products delivered under retention of title for the benefit of a third party. In addition, the Customer is prohibited from pledging title of the Products or providing it as collateral. In the event of re-sale, the Customer undertakes to assign the debts from its sub-purchasers to ZPCE up to the amount due.

In the event of non-payment of some or all of the instalments agreed for the price, and fifteen (15) days after formal notification by registered letter remains unheeded, in whole or in part, ZPCE reserves the right to complete the sale or reclaim the Products. In the latter case, the Products must be made immediately available to ZPCE, unless this requires the Products to be returned at the risk and expense of the Customer. This reclamation may be made by any means, including by registered mail, fax, summons by a bailiff or joint inventory, at the cost and risk of the Customer. Return of the Products does not imply resolution of the sales contract. Any amounts already paid by the Customer (in particular deposits) shall be retained as initial compensation and subject to any other further compensation.

In the event of the Products being converted or integrated into a structure, the transfer of title of ZPCE goods shall be transferred to the goods resulting from the conversion or to all or part of the cost of the converted goods. The aforementioned provisions do not affect transfer to the Customer of the risks of loss and deterioration of the sold Products.

## 14 - FORCE MAJEURE

ZPCE shall be released from its obligations, in particular as regards deliveries, on account of any event independent of its will that may prevent or delay delivery of the Products, assimilated contractually to force majeure. This shall in particular apply in the case of events occurring at ZPCE, such as lockouts, strikes, epidemics, embargoes, accidents, interruption or delay in transport, the impossibility of receiving deliveries from its suppliers, defects in raw materials, a notable change in the political situation in the country of the Customer or in France or any other event independent of the will of ZPCE leading to total or partial work stoppage at ZPCE.

## 15 - INTELLECTUAL AND INDUSTRIAL PROPERTY

No Customer may mention or use the brands, logos, documents or any other intellectual property belonging to ZPCE or of which it has use without the express, prior and written authorisation of ZPCE, and solely for the purposes of promoting the retail sale of Products under its normal conditions of business.

Any use of a brand, logo or other distinctive signs by the Customer must be made under its full liability in compliance with the graphic chart and legal information concerning the Products, in particular in the event of these being present on our website or on any written media.

All documents of any kind, provided for or sent to the Customer, remain the exclusive property of ZPCE and, except with express prior agreement, may not be communicated to third parties for any reason whatsoever.

## 16 – FRANCE ONLY / ECO CONTRIBUTION or WEEE (Waste Electrical and Electronic Equipment directive)

In compliance with directive 2002/96/EC dated 27 January 2003 relating to waste electrical and electronic equipment, a contribution must be applied to every new item of household electrical and electronic equipment sold. This visible contribution is not a tax; VAT is therefore applied to

the value of this contribution. The scale for this contribution is set by legislation; ZPCE applies the current official scale and will make updates during the year, in accordance with the law.

## 17 - SPECIFIC PROVISIONS FOR CHEMICAL PRODUCTS SOLD BY ZPCE
### Product information

Chemical products offered for sale by ZPCE (hereinafter «the Chemical Products») are delivered with their safety data and composition sheets, as drafted by the supplier of ZPCE.

ZPCE also provides information regarding the technical nature and composition of the Chemical Products, as drafted by the supplier, on its website in the Customer's personal area, together with information regarding the storage and layout of the Products, which is added for information purposes only.

Any order of a quantity that does not conform to the rules governing packing or pallet size cannot be accepted by ZPCE.

### Free shipping – mainland France

The Customer shall be exempt from shipping costs for all deliveries of Chemical Products over €1,000, excluding tax. For all deliveries of Chemical Products under €1,000, excluding tax, a fixed fee of €190 shall be invoiced to the Customer for shipping costs.

### Transport - Storage

Since Chemical Products are subject to regulations regarding the storage and transport of dangerous goods, the storage and transport of said goods are arranged by a supplier of ZPCE familiar with these regulations, rather than by ZPCE itself. The risks related to Chemical Products are transferred as of the time at which the Products are made available or handed over to the first transporter in the warehouses of ZPCE's supplier. Subsequently, Chemical Products travel at the risk of the Customer, whose responsibility it is, in the event of damage, loss or missing items, to make any reservations and exercise any redress against the transporters responsible.

### Product Dispatch

Chemical Products travel at the risk of the Client, whatever the method of transport, and whether shipping has been prepaid or not. In the event of damage, the Customer must make all the necessary reservations, specifying the nature and extent of the damage observed, on the documents on which it is invited to grant discharge, and confirm its reservations in a registered letter sent to the haulage company within the number of days specified in article L 133-3 of the French Code of Commerce. No claim shall be considered once 48 hours have elapsed since delivery.

### Warranty

The Customer is covered by the warranty of the ZPCE supplier of Chemical Products. ZPCE disclaims any other express or implicit warranties regarding the Chemical Products, relating, but not limited, to visible defects, marketability, suitability for a specific use or the results achieved using the Chemical Products. The following are also excluded: defects or deterioration caused by the unsuitability of the Chemical Products for the requirements of the Customer and end user, normal wear and tear, negligence, inappropriate installation or use that does not comply with recommendations, insufficient maintenance and/or handling accidents or by inappropriate storage. The Customer shall bear all risks of whatever nature regarding use of the Products purchased from ZPCE, whether alone or combined with other products or items or in any other processes.

## 18 - PERSONAL DATA

In order to market the Products in the best possible way, the Customer is hereby informed that certain personal information, such as its name and address, may be processed by ZPCE in its capacity as a personal data processing manager. This data processing will be reported regularly to the appropriate authorities. These data may be used by ZPCE in accordance with the provisions of the French Data Protection Act of 6 January 1978, amended by the law of 6 August 2004 on the protection of natural persons with respect to the processing of personal data. In accordance with the aforementioned Data Protection Act, the Customer has the right to access, correct and delete its personal data by contacting ZPCE directly.

## 19 - MISCELLANEOUS

All documents of any kind, provided for or sent to the Customer, remain the exclusive property of ZPCE and, except with express prior agreement, may not be communicated to third parties for any reason whatsoever. The fact that ZPCE does not invoke any one of the provisions of the GTS at any given time may not be interpreted as ZPCE waiving the right to invoke this condition at a later date.

## 20 - APPLICABLE LAW - JURISDICTION
### Jurisdiction

It is expressly agreed that exclusive competence for any disputes that may arise between the parties during their business relationship shall be attributed to the courts having jurisdiction over the ZPCE head office, whatever the place of delivery and accepted method of payment, and even in the event of third party appeals or multiple respondents.

### Applicable law

Relations with the Customer are governed by French law. If these General Terms of Sale have been translated into a foreign language, only the text drafted in French shall be valid.

# NOTES

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