

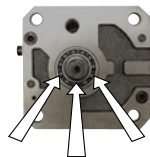
# VACUUM PUMPS



## 2 STAGE ELITE BALL BEARING DESIGN VACUUM PUMPS



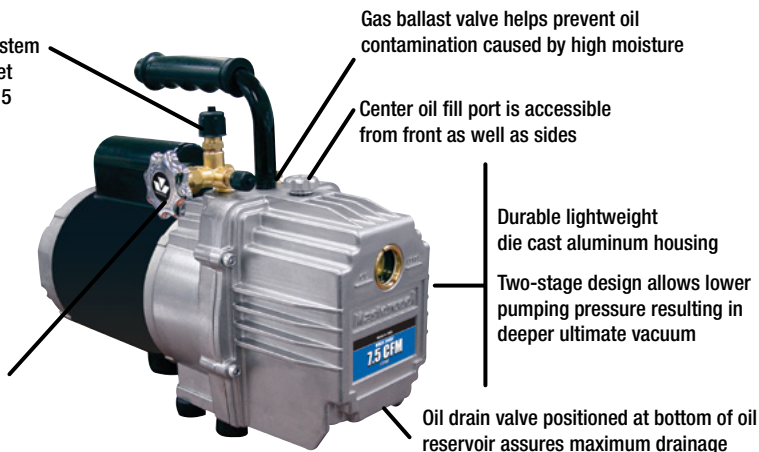
A good quality vacuum pump is an integral tool for complete A/C service. Mastercool vacuum pumps are durable and time tested. They stand up to the most grueling conditions and will provide years of reliable service. Mastercool offers a complete selection of pumps. Regardless of your service requirements, Mastercool has a model for your application.



**Ball Bearing Cartridge Design**  
reduces running temperatures by 30% and extends the life of the pump.

Manifold valve isolates pump from the system when testing for leaks. Includes three inlet ports – 1/4", 3/8" SAE and 1/2" ACME on 5 and 7.5 CFM models

Internal check valve stops oil blowout in case of accidental power loss



Gas ballast valve helps prevent oil contamination caused by high moisture

Center oil fill port is accessible from front as well as sides

Durable lightweight die cast aluminum housing

Two-stage design allows lower pumping pressure resulting in deeper ultimate vacuum

Oil drain valve positioned at bottom of oil reservoir assures maximum drainage

### 5 CFM VACUUM PUMP

**>>POPULAR<<**



<b>MODEL</b>	<b>90065</b>
<b>NO. OF STAGES</b>	2
<b>FREE AIR DISPLACEMENT</b>	5 CFM
<b>ULTIMATE VACUUM</b>	25 Microns
<b>MOTOR</b>	1/3 HP
<b>PUMP SPEED</b>	1425 RPM 1725 RPM
<b>ELECTRICAL SPECS</b>	110 V / 60 HZ
<b>WEIGHT</b>	29 lbs
<b>DIMENSIONS</b>	14.5 x 6 x 11 x 9.5"

### 7 CFM VACUUM PUMP



<b>MODEL</b>	<b>90067</b>
<b>NO. OF STAGES</b>	2
<b>FREE AIR DISPLACEMENT</b>	7.5 CFM
<b>ULTIMATE VACUUM</b>	25 Microns
<b>MOTOR</b>	1/2 HP
<b>PUMP SPEED</b>	1425 RPM 1725 RPM
<b>ELECTRICAL SPECS</b>	110 V / 60 HZ
<b>WEIGHT</b>	35.5 lbs
<b>DIMENSIONS IN CM</b>	16 x 6 x 11 x 9.5"

## 2 STAGE DUAL VOLTAGE VACUUM PUMPS

- U.S. design
- Stronger motor
- Field serviceable
- Cooling fins to keep temperature cooler during extended motor operation
- Easily removable vapor discharge/oil fill port. Contains internal check valve to prevent escape of liquid oil
- Manifold valve isolates pump from the system when testing for leaks. Includes 3 inlet ports, 1/4", 3/8" SAE and 1/2" ACME

### 3 CFM DUAL VOLTAGE VACUUM PUMP



MODEL	90063-2V-110-B
NO. OF STAGES	2
FREE AIR DISPLACEMENT	3 CFM
ULTIMATE VACUUM	15 Microns
MOTOR	1/3 HP
PUMP SPEED	1720 RPM
ELECTRICAL SPECS	110 V/220 V, 50/60 Hz
POWER CORD	110 V Cable (US Standard)
WEIGHT	15.43 lbs
DIMENSIONS	11 x 6 x 10

### 6 CFM DUAL VOLTAGE VACUUM PUMP

»POPULAR«



MODEL	90066-2V-110-B
NO. OF STAGES	2
FREE AIR DISPLACEMENT	6 CFM
ULTIMATE VACUUM	15 Microns
MOTOR	1/2 HP
PUMP SPEED	1720 RPM
ELECTRICAL SPECS	110 V/220 V, 50/60 Hz
POWER CORD	110 V Cable (US Standard)
WEIGHT	24.25 lbs
DIMENSIONS	15 x 6.5 x 11

### 8 CFM DUAL VOLTAGE VACUUM PUMP



MODEL	90068-2V-110-B
NO. OF STAGES	2
FREE AIR DISPLACEMENT	8 CFM
ULTIMATE VACUUM	15 Microns
MOTOR	3/4 HP
PUMP SPEED	1720 RPM
ELECTRICAL SPECS	110 V/220 V, 50/60 Hz
POWER CORD	110 V Cable (US Standard)
WEIGHT	34 lbs
DIMENSIONS	15 x 7 x 11

### 12 CFM DUAL VOLTAGE VACUUM PUMP



MODEL	90612-2V-110-B
NO. OF STAGES	2
FREE AIR DISPLACEMENT	12 CFM
ULTIMATE VACUUM	15 Microns
MOTOR	1 HP
PUMP SPEED	1720 RPM
ELECTRICAL SPECS	110 V/220 V, 50/60 Hz
POWER CORD	110 V Cable (US Standard)
WEIGHT	35 lbs
DIMENSIONS	15 x 7 x 11



**Mastercool**<sup>®</sup>  
"World Class Quality"



**18 VOLT CORDLESS, 1.5 CFM, 2 STAGE VACUUM PUMP**



90058-A-AUT



90058-CH



90058-BAT-5A



90058-SL-MC

- Sure-grip handle, ergonomically designed for superior comfort and portability
- Reinforced base provides extreme shock resistance
- Air cooled motor design allows for operation under high temperature conditions
- Pump runs with extremely high ultimate vacuum and low noise
- Accessible oil drain port & sight glass make both oil maintenance and accuracy easy
- Built-in device eliminates oil mist and an oil-gas separator at the air exhaust outlet prevents oil contamination in the air exhaust

**SPECIFICATIONS:**

- No. of stages: 2
- Free air displacement: 1.5 CFM
- Motor: DC 18V, 90 W
- Ultimate vacuum: 15 microns/3 Pa
- Oil capacity: 3.5 oz.
- Dimensions without battery: 9.9 x 3.7 x 6.1"
- Net weight: 7.9 lb

**Rechargeable Battery**

- Li-ion 18 V 5.0 Ah

**Battery Charger**

- Input 100-240 V, 50-60 Hz, 73 W
- Output: 18V/14.4V 3A

\* Mastercool does not recommend this pump be used with any other battery

<b>90058-AUT-5A</b>	Complete kit includes: 18 V cordless vacuum pump, 1/4" SAE port and 1/2" ACME adapter, Mastercool designed rechargeable battery, Mastercool adapter sleeve, standard 110V battery charger and 3.5 oz of oil
<b>90058-A-AUT</b>	18 V cordless vacuum pump, 1/4" SAE port, 1/2" ACME adapter and 3.5 oz of oil (without battery and adapter sleeve)
<b>90058-BAT-KT-5A</b>	Mastercool rechargeable battery and adapter sleeve
<b>90058-BAT-5A</b>	Mastercool rechargeable battery
<b>90058-CH</b>	Mastercool battery charger, 110V standard US cable
<b>90058-SL-MC</b>	Adapter sleeve to allow for use with Mastercool batteries

**82031 VACUUM PUMP SWIVEL ADAPTER**



"T" style adapter screws onto existing 1/4" flare fitting and converts to 1/4"-FL and 1/2" ACME

**SERVICE INFORMATION**

	OIL CAPACITY	REPLACEMENT CARTRIDGE	SEAL SERVICE KIT
90065	18 oz	90165-R	90062-11-SEAL
90067	24 oz	90167-R	90062-11-SEAL
90063-2V-110-B	8.5 oz	-	-
90066-2V-110-B	15 oz	90166-B	-
90068-2V-110-B	19 oz	90168-B	-
90612-2V-110-B	18 oz	90112-B	-
90059-B, 90062-B	12 oz	-	-
90066-B, 90066-B-SF	18 oz	-	-

**VACUUM PUMP OIL**



<b>90010-6</b>	(Six) - 10 oz bottles (90058, 90063-2V-B)
<b>90016-6</b>	(Six) - 16 oz bottles (90059-B, 90062-B)
<b>90018-6</b>	(Six) - 18 oz bottles (90065, 90066-2V-B, 90612-2V-B, 90066-B, 90066-B-SF)
<b>90024-6</b>	(Six) - 24 oz bottles (90067, 90068-2V-B)
<b>90032-6</b>	(Six) - 32 oz bottles
<b>90128-4</b>	(Four) - 1 gallon bottles

