



**Chicago  
Pneumatic**

# ***Operator's Manual***

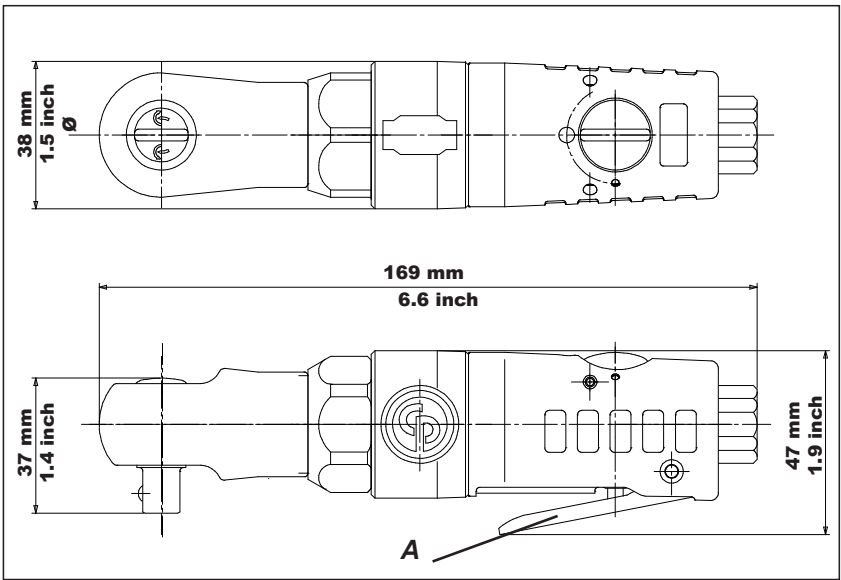
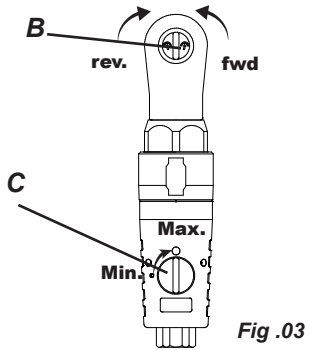
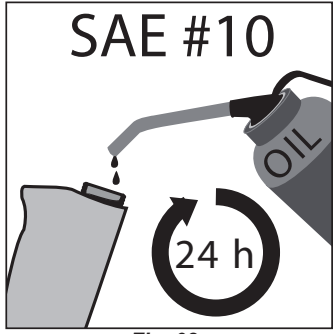
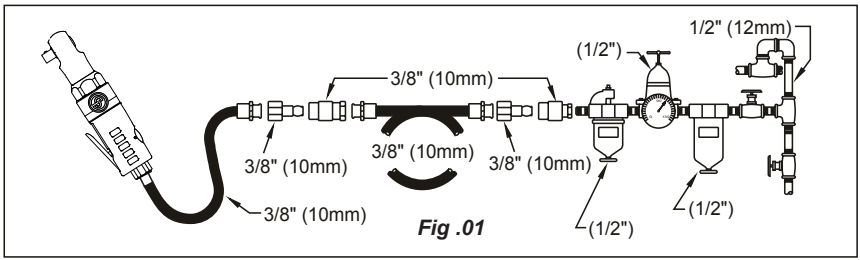
## **CP825C & CP825CT**

### **Ratchet Wrench**



#### **WARNING**

*To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool must read and understand these instructions, as well as separately provided safety instructions part number 6159948710, before performing any such task.*



Model	Drive	Torque		Free speed	Air Consumption Average	Weight	Inner Hose Dia.	Air Inlet	Sound pressure $L_{pA}$	Sound power $L_{wA}$	Vibrations	
		Working	Max								$a_{hd}$	K
	1	2	3	5	6	7	8	9	10			
[inch]	[Nm] [ft-lb]	[RPM]	[Nl/s] [SCFM]	[kg] [lb]	[mm] [inch]	[inch]	[dB(A)]	[dB(A)]	[m/s <sup>2</sup> ] [m/s <sup>2</sup> ]			
CP825C	1/4	5 - 25 4 - 18	35 26	280	1.5 3.2	0.5 1.10	10 3/8	1/4" NPT	82	93	4	1.5
CP825CT	3/8	5 - 25 4 - 18	35 26	280	1.5 3.2	0.5 1.10	10 3/8	1/4" NPT	82	93	4	1.5

**Technical Data**

Model	Drive	Torque		Free speed	Air Consumption Average	Weight	Inner Hose Dia.	Air Inlet	Sound pressure $L_{PA}$	Sound power $L_{WA}$	Vibrations	
		Working	Max								$a_{hd}$	K
	1	2	3	5	6	7	8	9	10			
	[inch]	[Nm] [ft-lb]	[RPM]	[NI/s] [SCFM]	[kg] [lb]	[mm] [inch]	[inch]	[dB(A)]	[dB(A)]	[m/s <sup>2</sup> ]	[m/s <sup>2</sup> ]	

**max. pressure 6.3bar(90psi)**

$a_{hd}$  : Vibration level, k Uncertainty ;  $L_{PA}$  Sound pressure dB(A),  $K_{PA} = K_{WA} = 3$  dB Uncertainty.

**Declaration of noise and vibration statement** (ISO 15744 and ISO 28927-2)

All values are current as of the date of this publication. For the latest information please visit [www.cp.com](http://www.cp.com).

These declared values were obtained by laboratory type testing in accordance with the stated standards and are suitable for comparison with the declared values of other tools tested in accordance with the same standards. These declared values are not adequate for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an individual user are unique and depend upon the way the user works, the workpiece and the workstation design, as well upon the exposure time and the physical condition of the user. We, CHICAGO PNEUMATIC TOOLS, cannot be held liable for the consequences of using the declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a work place situation over which we have no control. This tool may cause hand-arm vibration syndrome if its use is not adequately managed. An EU guide to managing hand-arm vibration can be found at [www.pneurop.eu/uploads/documents/pdf/PN3-02-NV\\_Declaration\\_info\\_sheet\\_0111.pdf](http://www.pneurop.eu/uploads/documents/pdf/PN3-02-NV_Declaration_info_sheet_0111.pdf). We recommend a programme of health surveillance to detect early symptoms which may relate to noise or vibration exposure, so that management procedures can be modified to help prevent future impairment.

**Additional Vibration Information**

**This tool may cause hand-arm vibration syndrome if its use is not adequately managed.**

This additional vibration information may be of assistance to employers in meeting their obligations (for example under EU Directive 2002/44/EC) to assess the risks to their workers arising from hand arm vibration associated with the use of this tool.

Ratchet wrenches are suitable for assembly and disassembly operations in confined spaces.

- The declared vibration value can be used to estimate vibration during rundown. Continuous ratcheting against a run-down bolt may produce a vibration emission in the range 4.1 m/s<sup>2</sup> to 9.3 m/s<sup>2</sup> (vibration total values)
- Only use this tool for work which other types of wrenches, which present lower vibration risks, are unable to perform satisfactorily.
- The vibration emission varies greatly with task and operator technique. Emissions outside the quoted range may occur for some applications.
- Operators should optimize their technique and select a suitable wrench in order to minimize the ratcheting time at the end of each run-down or when backing-off assembled fasteners.
- For the intended application of this tool, we estimate that normal operation should involve a ratcheting time against a run-down fastener of less than 0,5s per fastener on a hard joint and up to 3s on a soft joint. We point out that application of the tool to a sole specialist task may produce a different average emission and in such cases we strongly recommend a specific evaluation of the vibration emission.

**Machine type(s)**

- This product is designed for installing and removing threaded fasteners in wood, metal and plastic. No other use permitted. For professional use only.
- Please read the instructions carefully before starting the machine.

**Operation (See figures)**

- Fix the accessories properly to the tool.
- Connect device as shown in Fig. 01 to a clean and dry air supply.
- To start the machine, pull the lever A). Machine speed is increase by increasing pressure on the trigger. Release the lever to stop.
- To switch rotation, turn the switch (B) as shown in Fig. 03.
- To adjust output power, turn the regulator (C).

**Lubrication**

- Use an air line lubricator with SAE #10 oil, adjusted to two drops per minute. If an air line lubricator cannot be used, add air motor oil to the inlet once a day.

**Maintenance instruction**

- Follow local country environmental regulations for safe handling and disposal of all components.
- Maintenance and repair work must be carried out by qualified personnel using only original spare parts. Contact the manufacturer or your nearest authorised dealer for advice on technical service or if you require spare parts.
- Always ensure that the machine is disconnected from energy source to avoid accidental operation.
- Disassemble and inspect the tool every three 3 months if the tool is used every day. Replace damaged or worn parts.
- High wear parts are underlined in the parts list.

**Disposal**

- The disposal of this equipment must follow the legislation of the respective country.
- All damaged, badly worn or improperly functioning devices MUST BE TAKEN OUT OF OPERATION.
- Repair only by technical maintenance staff.

**EU Declaration of Conformity**

We : **CHICAGO PNEUMATIC TOOL Co. LLC 1815 Clubhouse Road, Rock Hill, SC 29730 - USA**

Machine type(s): **Ratchet Wrench**

Declare under our sole responsibility that the product(s): **CP825C & CP825CT** Serial Number: **00000 - 99999**

Origin of the product : **JAPAN**

is in conformity with the requirements of the council Directives on the approximation of the laws of the Member States relating to "Machinery" **2006/42/EC (17/05/2006)** applicable harmonised standard(s) : **EN ISO 11148-6:2012**

Name and position of issuer : **Pascal Roussy (R&D Manager)**

Place & Date : Saint-Herblain, **01/2018**

Technical file available from EU headquarter. Pascal Roussy R&D manager CP Technocenter 38, rue Bobby Sands - BP10273 44800 Saint Herblain - France

**Copyright 2018, Chicago Pneumatic Tool Co. LLC**

All rights reserved. Any unauthorized use or copying of the contents or part thereof is prohibited. This applies in particular to trademarks, model denominations, part numbers and drawings. Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.

**Original Instructions**