

Instrumentation & Metrology Air Compressor

Desktop
version



CPY-250

CPY-500

CPY-750

CPY-1000



Rack Mount
version

These Compressors have been specially developed for use in testing and calibration of pneumatic instruments.



Field Service
version

- Suitable to provide a clean air for PCON-Y17 Pressure Controller.
- Oil free (No oil needed) and clean air.
- Digital control with hysteresis to adjust pressurizing value (setpoint).
- Available in 3 models: Desktop, Rack Mount and Field Service.
- The model FS can be operated using batteries.
- Models for maximum pressures of 250 psi (17 bar), 500 psi (35 bar), 750 psi (52 bar) and 1000 psi (70 bar).
- Optional vacuum generation -12 psi (-0.80 bar).

Presys Compressors
make Nitrogen Bottles
unnecessary !



Technical Specifications

Order Code

CPY - - -

Maximum Pressure

250 psi (17 bar)

500 psi (35 bar)

750 psi (52 bar)

1000 psi (70 bar)

Compound / Gauge

C - (Compound) Generate vacuum too

G - Only positive pressure

Mounting Version

DT - Desktop Version (for Workbench use)

RM - Rack Mounting Version (Fixed in a 19" Rack or Workbench)

FS - Field Service Version (Portable version for field use)

Desktop

Dimensions (HxDxW): 280 x 210 x 330 mm

Weight: 8.0 kg (CPY-250),

9.0 kg (CPY-500 / 750 and 1000).

Rack Mount

Dimensions (HxDxW): 132 x 483 x 300 mm

Weight: 9.0 kg (CPY-250);

10.0 kg (CPY-500 / 750 and 1000).

Field Service

Dimensions (HxDxW): 360 x 420 x 230 mm

Weight: 8.0 kg (CPY-250);

9.0 kg (CPY-500 / 750 / 1000).

Housing Material: Polypropylene

Comes with: Battery Charger.

CPY Connection Kit

Composed of:

01 x 1/4" NPT male adapter for high-pressure hoses (06.08.0006-00)

02 x 1/8" BSP male adapter for high-pressure hoses (06.08.0032-00)

02 x 1/8" BSP sealing ring (04.04.0037-10)

01 x High-pressure hose, 6000 psi - Length: 1500 mm (06.08.0028-00)

01 x Plug with chain (04.04.0039-10)

01 x Bag for hoses and fittings (06.01.1036-00)

Presys Industrial Compressors (CPY line) are designed to meet the specific needs of calibrating pneumatic instruments where clean air is required (oil free).

The adjustment of the pressure setpoint is performed with ease and precision, allowing the use of high pressuring values with the safety of using an internal tank that does not accumulate a large amount of air (vent function).

The compressor has a low rate offflow rate, ideal for pressure controllers.

Power supply: 100 to 240 Vac 50/60Hz (Version DT and RM) or Internal Battery (s) 25.2 V (FS version).

Operation Temperature Range: 10 to 50 °C.

Pneumatic Output Connection: 1/8" Female BSP.

Relative Humidity: 0 to 90 % RH.

Engineering Units: psi, bar, kgf / cm².

Resolution: 1 psi, 0,1 bar, 0,1 kgf/cm².

Maximum Pressure Generated: Nominal Pressure + 100 psi (7 bar).

Accuracy: 1% FS

Warranty: 1 year



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