

V18 Portable Pneumatic Pressure Pump V1.1

- ✓ Pressure Range: -0.95...140 bar
- ✓ Connection: M20x1.5 female
- ✓ Dimension: 350H×272W×175H mm
- ✓ Net weight: 5 kg
- ✓ Media: Air



Overview

V18 portable pneumatic pressure pump is a high precision pressure calibration device with an integrated vacuum, micro pressure, medium pressure design developed for rapid calibration of pressure equipment in industrial sites and laboratories. It combines lever pressurization and screw trim functions to easily generate pressures ranging from -0.95 bar to 140 bar. It is widely used for rapid calibration of pressure instruments in explosion-proof environments, checking of pressure instrument, and hermeticity checking of pressure vessels.

Features

Robust and durable

Optimized sealing structure minimizes leakage risks and ensures long-term stability.

Easy Operation

Lever pressurization and spiral fine-tuning enable effortless and efficient pressure generation.

Quick connection

M20×1.5 female quick coupling, easy to connect and disconnect without wrench.

Ergonomic design

5 kg lightweight portable design, anti-slip grip enables one-handed operation.

Specifications

Model	V18-0.6	V18-1.4
Pressure Range (bar)	-0.95~0~60	-0.95~0~140
Medium	Clean Air	
Pressure Port	M20×1.5 female	
Reservoir Volume (cm ³)	3.2	3.5
Fine-tuning Volume (cm ³)	5.3	2.1
Pre-pressurization Volume (cm ³)	36.8	48.5
Dimensions (mm)	350L×272W×175H	

Accessories included

Item	Description	Quantity
Connection hose	500mm flexible hose, 140bar, M20x1.5 male to female connector	1pc
O-rings	ID ϕ 7X2.5 for connection thread use	10pcs
O-rings	ID ϕ 8X1.8 for stop valve use	10pcs
Packing case	Hard carrying case for pump V18	1pc

Adapters (Optional)

Using M20×1.5 male thread as the base standard, they enable mutual conversion between different specifications to ensure compatible adapters for all types of equipment.

M20×1.5 to	M20×1.5 F/M	G1/2 F/M	NPT1/2 F/M
	M16×1.5 F/M	G3/8 F/M	NPT3/8 F/M
	M14×1.5 F/M	G1/4 F/M	NPT1/4 F/M
	M12×1.25 F/M	G1/8 F/M	NPT1/8 F/M
	M10×1 F/M	ZG1/2 F/M	ZG3/8 F/M
	ZG1/4 F/M	ZG1/8 F/M	φ6 Barbed Fitting

Accessories (Optional)

Items	Note	Reference
Adapter set box	36 pieces of adapter	
Air-Liquid Separator	Separates and filters residual liquid and impurities during pressure calibration.	

CWY300 Digital Pressure Calibrator	Range (-1~2500) bar Accuracy 0.02%, 0.05%, 0.1 %	
CWY122 Digital Gauge	Range (-1~2500) bar Accuracy 0.02%, 0.05%, 0.1%	

Warranty: 1 year.

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