

V17 Portable Hydraulic Pressure Pump v1.1

- ✓ Pressure Range: 0...700 bar
- ✓ Connection: M20x1.5 female
- ✓ Dimension: 375H×200W×150H mm
- ✓ Net weight: 4.7 kg
- ✓ Media: Oil or deionized water



Overview

The V17 portable hydraulic hand pump generates pressure from 0 to 700bar. High pressures can be generated quickly with the use of a pressure rod, fine adjustment of the pressure by means of a screw, and the addition of a pressure calibrator makes it possible to quickly set up a simple passive pressure calibration system. The pump's corrosion-resistant materials and single-cycle design provide more reliable performance and require little maintenance. It can be used for metrology laboratory testing or pressure instrumentation, calibration of pressure transmitters, gauges, pressurized leak testing of pressure vessels.

Features

Robust and durable

Multi-layer seal construction and 304 stainless steel pressurized system to avoid leakage.

Easy to use

The pressurizing lever can easily generate high pressure in a short stroke.

Quick connection

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

Strong adaptability

Large load capacity, compatible with the calibration of pressure transmitters, gauges.

Ergonomic design

4.7kg lightweight portable design, anti-slip grip enables one-handed operation.

Specifications

Model	V17-7	V17-4
Pressure Range (bar)	0~700	0~400
Medium	Diocyl sebacate or deionized water	
Pressure Port	M20×1.5 female	
Reservoir Volume (cm ³)	148	143
Fine-tuning Volume (cm ³)	1.3	1.2
Pre-pressurization Volume (cm ³)	6.3	6.9
Dimensions (mm)	375L×200W×150H	375L×200W×150H

Accessories included

Item	Description	Quantity
Connection hose	500mm flexible hose, 700bar, M20x1.5 male to female connector	1pc
O-rings	ID ϕ 7X2.5 for connection thread use	10pcs
O-rings	ID ϕ 7x3 for stop valve use	10pcs
Special valve core		4pcs
SS spring	ϕ 4X ϕ 0.3X6.5(length)	4pcs
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	ϕ 6 Barbed Fitting

Accessories (Optional)

Items	Note	Reference
Adapter set box	36 pieces of adapter	
Oil-water separator	Used to physically isolate oil and water media, avoiding water infiltration into the oil circuit leading to oil emulsification, oxidation and corrosion.	

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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