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Pneumatic Hand Pumps (direct acting) DP0V (100 psi / 7 bar)

The most economical solution for very precise low pressure calibration using a precision test gauge or pressure calibrator as the reference.

Features:

- Light weight, compact pump generates up to 100 psi (7 bar) with ease
- Large volume fine adjustment piston provides precise control, even at very low pressures
- Modular design makes field maintenance quick and easy
- Precisely vent pressure with soft seated bleed valve
- Two outlet ports provide connections for both pressure reference and for device under test thus eliminating a tee
- Low volume Quick-test hose, gauge adapter and process connection can be attached to pump without thread sealant or a wrench
- Rugged, all metal construction reduces pressure changes due to temperature fluctuations
- Made in U.S.A.

Specifications		
Pump connection type	National Pipe Thread (NPT)	British Parallel Thread (BSPP)*
Maximum pressure:	100 psi (7 bar)	100 psi (7 bar)
Style	Direct acting	Direct acting
Pressure media	Air	Air
Fine adjust resolution	± 0.001 psi (0.07 mbar)	± 0.001 psi (0.07 mbar)
Reference connection (brass)	See below	See below
Outlet port 1 (brass)	Male Quick-test (QTHA-3SB0)	Male Quick-test (QTHA-3SB0)
Outlet port 2 (brass)	Male Quick-test with cap and chain (QTFT-3SB0)	Male Quick-test with cap and chain (QTFT-3SB0)
Calibration hose (brass ends)	(1) 3 ft (92 cm) long (QTQT-HOS-3')	(1) 1 m (3.3 ft) long (QTQT-HOS-1m)
Process connection (brass)	(1) 1/4" male NPT (QTHA-2MB0)	(1) 1/4" female BSPP (QTHA-2FB0-RG)
Construction	Anodized aluminum, brass, plated steel	Anodized aluminum, brass, plated steel
Seal material	Buna-N, Teflon™, Delrin™	Buna-N, Teflon™, Delrin™
Weight	1.6 lb (725 g)	1.6 lb (725 g)

Ordering information	
DP0V pumps with NPT connections	
Model	Description
DP0V-1MBA	DP0V pump, 1/8" male NPT gauge adapter (QTHA-1MBA), hose, process connection
DP0V-2MBA	DP0V pump, 1/4" male NPT gauge adapter (QTHA-2MBA), hose, process connection
DP0V-2FBA	DP0V pump, 1/4" female NPT gauge adapter (QTHA-2FBA), hose, process connection
DP0V-0000	DP0V pump, no gauge adapter, with hose and process connection
DP0V pumps with BSPP connections*	
Model	Description
DP0V-2FBA-RG	DP0V pump, 1/4" female BSPP gauge adapter (QTHA-2FBA-RG), hose, process connection
DP0V-3FBA-RG	DP0V pump, 3/8" female BSPP gauge adapter (QTHA-3FBA-RG), hose, process connection
DP0V-4FBA-RG	DP0V pump, 1/2" female BSPP gauge adapter (QTHA-4FBA-RG), hose, process connection

* Not for sale in North American market

For accessories, repair kits and hoses see page 17. For a complete list of accessories and parts see product manual or detailed specification sheet. For a list of the most commonly used gauge and process connections see page 18. For a complete list refer to Ralston Instruments *Pressure Connection* catalog. Contact your Ralston Instruments dealer or the factory for information on reference gauges and pressure calibration kits.

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