



Haven Automation Limited

Calibration Solutions for Industry

Exclusive UK and Ireland Distributor for

CRYSTAL

engineering corporation

HAND PUMPS

The **HydroPump** hydraulic pump is a lightweight, high pressure hand pump that can use oil or water as the test fluid. Mount a gauge or a calibrator on one of the two pressure ports and use the second port for the device being tested. The result is a complete field pressure calibration system that can be operated with one hand. Hose and fittings are included, along with a convenient plastic bottle to hold your hydraulic test fluid. The built-in variable volume provides a way to set the pressure precisely, and the pump is re-buildable.



The **ComboPump** pneumatic pump is so versatile, it can be used for low differential pressure transmitters, generate up to 500 PSI/35 bar/3.5 MPa, and it's a vacuum pump, too! The unique pressure balanced variable volume allows for precise and easy pressure setting. Mount a gauge or a calibrator on one of the two pressure ports and use the second port for the device being tested. The result is a complete field pressure calibration system that can be operated with one hand.

Specification	HydroPump ^{!!}	ComboPump
Pressure Range	35 mPa/350 bar/5,000 psi	3500kPa/35 bar/500 psi
Vacuum Range	N/A	-85kPa/-0.85 bar/-12.3 psi/-25 inHg
Connections	One ¼" Female (NPT) & One Female CPF fitting	Two 1/8" Female (NPT)
Weight	677g	605g
Dims	Approximately 26.7 cm (10.5") tall	24 x 5 x 5 cm (9.5" x 2" x 2")

^{!!}Wetted Materials

Internal parts of the HydroPump are made of Buna-N rubber, aluminium, brass and stainless steel. The pump can be used with oil, water, or other compatible fluids. Use of water will accelerate wear of "O" rings and some sticking of piston may result. The recommended fluid is any petroleum based hydraulic oil, light weight motor oil or mineral oil. **Do not use** brake fluid or synthetic oils as they may crack the polycarbonate reservoir or cause swelling or decomposition of the "O" rings.



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Due to their policy of continual product development the manufacturer reserves the right to amend this specification without notice.

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