

Hydraulic Hand Pumps with Gauge Connection

HPGV (3000 psi / 210 bar), XHGV (5000 psi / 350 bar)

Fast and efficient hydraulic field testing of pressure transmitters, gauges or switches is aided by an integral gauge adapter which allows the user to quickly attach a precision test gauge to the pump.

Features:

- Portable, hand operated hydraulic pumps that easily generate up to 5000 psi (350 bar)
- Fine adjustment piston provides an easy way to fine tune exact pressure
- Bleed pressure slowly with soft seated vent valve
- Liquid reservoir holds enough fluid for multiple calibrations
- Marine brass construction resists corrosion and abuse
- Quick-disconnect gauge adapter allows changing gauges without using a wrench
- Low volume Quick-test hose, gauge adapter and process connection can be attached to pump without thread sealant or a wrench
- Made in U.S.A.



(Reference gauge not included)

Specifications		
Pump connection type	National Pipe Thread (NPT)	British Parallel Thread (BSPP)*
Pressure media	Ralston calibration oil (QTHP-HYDL), mineral based oil, hydraulic oil, water	Ralston calibration oil (QTHP-HYDL), mineral based oil, hydraulic oil, water
Fine adjust resolution	± 1 psi (0.1 bar)	± 1 psi (0.1 bar)
Reference connection (brass)	1/4" female NPT swivel (SWIV-2FBW)	1/2" female BSPP swivel (SWIV-4GBW)
HPGV outlet port (brass)	Male Quick-test with check-valve (QTHA-3SB1)	Male Quick-test with check-valve (QTHA-3SB1)
XHGV outlet port (brass)	Male Quick-test with cap and chain (QTFT-3SB0)	Male Quick-test with cap and chain (QTFT-3SB0)
Calibration hose (brass ends)	3 ft (92 cm) long (QTQT-HOS-3')	1 m (3.3 ft) long (QTQT-HOS-1m)
Process connection (brass)	1/4" male NPT (QTHA-2MB0)	1/4" female BSPP (QTHA-2FB0-RG)
Liquid reservoir	7.2 fl oz (256 ml) clear polycarbonate (QTHP-RESV)	7.2 fl oz (256 ml) clear polycarbonate (QTHP-RESV)
Construction	Brass, aluminum, plated steel	Brass, aluminum, plated steel
Seal material	Buna-N, Teflon™, Delrin™, synthetic cork	Buna-N, Teflon™, Delrin™, synthetic cork
Bottle included	12 fl oz (355 ml) with flip-up top, empty	12 fl oz (355 ml) with flip-up top, empty
Weight	2.6 lb (1.2 kg)	2.6 lb (1.2 kg)

Ordering information	
HPGV, XHGV pumps with brass NPT connections	
Model	Description
HPGV-0000	3000 psi (210 bar) pump, hose, NPT gauge swivel and process connection
XHGV-0000	5000 psi (350 bar) pump, hose, NPT gauge swivel and process connection
HPGV, XHGV pumps with brass BSPP connections*	
Model	Description
HPGV-4GBW	3000 psi (210 bar) pump, hose, BSPP gauge swivel and process connection
XHGV-4GBW	5000 psi (350 bar) pump, hose, BSPP gauge swivel and process connection

* Not for sale in North American market

For hoses and accessories 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.