

Portable unit generates precise pressures with inert gas from atmosphere to 3000 PSI. Precise generation of low pressures for various calibration ranges. Calibrates differential and static pressure instrumentation using ANY external pressure calibrator. Eliminates the need of hand pumps. Performs multiple calibrations.

## Key Features

Eliminate hand pumps with precision control  
 Reserve bottle with 2 bottle system(PGS-03)  
 Use with existing calibrator  
 All-in-one system, easy regulation and control  
 Adapt to anything without Teflon or wrench(with fitting kit)

## Other Features

- Two bottle system provides twice the volume eliminating down time for frequent refilling (PGS-03)
- Easily refilled pressure cylinder stores 3000 PSI  
*(The cylinder has a gauge attached for a constant display of reserve available pressure. The storage cylinder can be refilled via a quick disconnect port by using any normal cylinder regulation system.)*
- A precise regulator for generating an approximate pressure setting
- A precision volume controller attached to the output of the regulator for “fine tuning” the pressure
- A vent in the system for venting the pressure to atmosphere
- Two ports on the system. One port attaches to ANY pressure standard calibrator, the other for item under test.
- PGS High Pressure Calibrator, range 0-3000 psi, utilizing customers own pressure calibrator (Crystal, Fluke, Ashcroft, Martel/Beta, Meriam, Druck)



13" x 13" x 15"  
 Durable Water-repelling Rugged Case  
 Lightweight - approx. 28-31 lbs.

Specifications	
Pressure ranges	0-2000 & 0-3000
Cylinder capacity	PGS01-1cyl. at 7ft <sup>3</sup> / PGS03-2cyl. at 5.0 ft <sup>3</sup>
Overpressure rating	PGS01-2015psi / PGS03-3045 PSI
Pressure regulator	Brass, Tescom 44-1812, 6000 inlet psi
Input fitting	1/4" NPT bulkhead
Output Test Ports	1/4" NPT bulkhead
Case	High-impact roto-molded polyethylene

Volume Controller Specifications	
Type	AVC-3000
Range (psi)	Vacuum-3000
Resolution (psi)	0.0005
Volume change (in <sup>3</sup> )	2.5
Mechanical rotation(turns)	61
Construction	Aluminum body, stainless steel, brass, Teflon, Delrin and Buna N

\*(Complete Fitting Kit) Part# - RAL-KIT-PGSBOX

Recommended Fitting Kit	
Part#/Qty	Description
QTFT-2MBO(3)	Hose Fitting, 1/4" Male NPT x Male QT w/cap (5000 psi)
QTHA-1MBO(2)	Adapter, 1/8" Male NPT x Male QT (5000 psi)
QTHA-2MBO(2)	Adapter, 1/4" Male NPT x Male QT (5000 psi)
QTHA-2TBO(1)	Tube Adapter, 1/4" Tube Fitting x Male QT (5000 psi)
QTHA-HSHS(1)	Hose Union, Male QT x Male QT (5000 psi)
QTQT-HOS 3(1)	QT Female Hose, 3ft, (6900 psi)
QTQT-HOS 5(1)	QT Female Hose, 5ft, (6900 psi)

The system can also be used to generate very low pressures by using the volume adjuster as a pressure generator. The volume adjuster will generate approximately 10 - 15 PSI by itself with .0005 psi resolution. Excellent for "H2O low pressure calibration. The regulator has fine enough adjustment to aid in low pressure generation as well.