

# PRESSURE GAUGE CHEMICAL SEAL / ISOLATOR

## Provides isolation from hazardous or corrosive fluids

Sigmamotor pressure gauge isolators allow standard pressure gauges to be used in corrosive services.

The upper section (gauge side) is filled with glycerine. A diaphragm separates the glycerin from the lower section which connects to the pressure source.

A 1/2" FNPT port is provided for connection to the pressure source.

Materials are PVC body with Viton™ diaphragm.

### Features

- CNC precision machined parts
- Cost effective and reliable
- 2.5" Dial
- Two pressure ranges: 0-60PSI and 0-160PSI
- Pre-filled with glycerin between gauge and diaphragm

### Options

- Integral, adjustable pressure switch assembly can be adjusted to any pressure value between minimum 2% and maximum 90% of full scale value.
  - Reed switch output
  - Max switching capacity: 10WDC / 10VAC
  - Max switching voltage: 75VDC / 50 VAC
  - Max switching current: 0.5A DC or AC with resistive load
  - Max switching hysteresis: 2.5%
- Various other gauge configurations available.



*Bayonet ring twists off for easy pressure switch adjustment. Simply move the red indicator.*

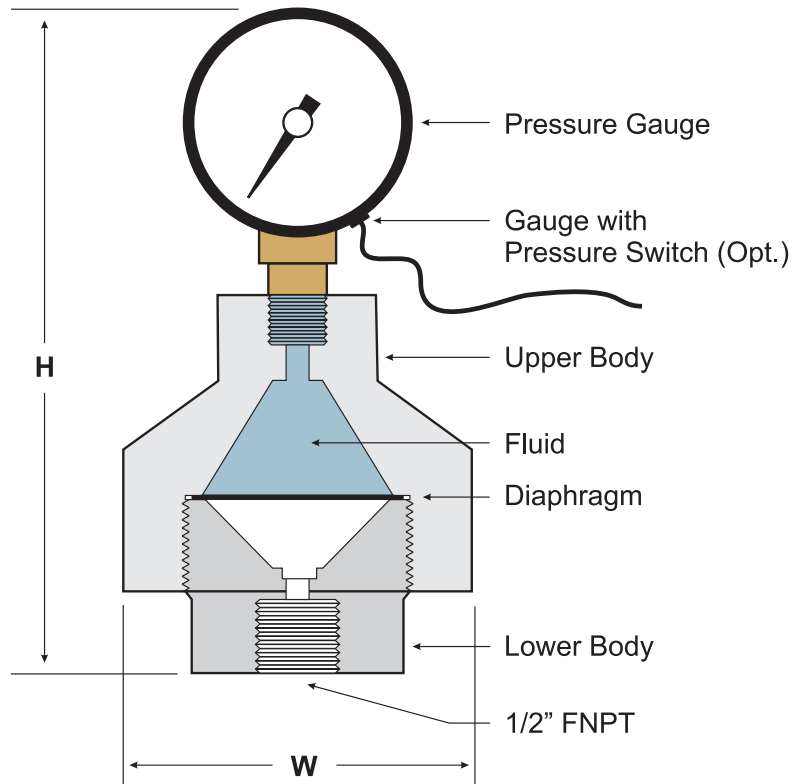
# SIGMAMOTOR GAUGE ISOLATORS

## Typical Configurations

**FGI-PVG-N-060-X** Pressure Gauge, 0-60 psi with PVC isolator body and Viton Diaphragm.

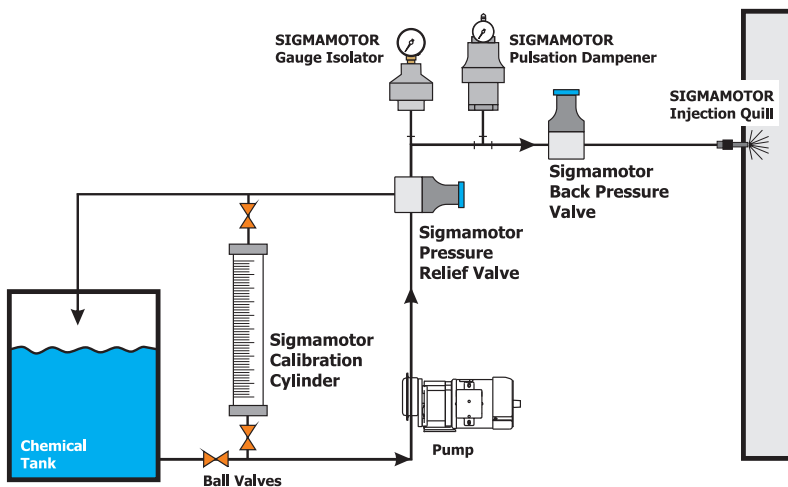
**FGI-PVG-N-160-X** Pressure Gauge, 0-160 psi with PVC isolator body and Viton Diaphragm.

**FGI-PVG-N-100-S** Pressure Gauge, 0-100 psi with PVC isolator body and Viton Diaphragm. Includes integral pressure switch.



H = 6" (typical) may vary with gauge selection.  
W = 3.2"

## Typical System Block Diagram



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