



Description & Features:

- Versatile high static low differential pressure gauges
- Four types of sensing elements for a large variety of ranges
- Switches available for actuation
- 5 year warranty

Applications:

- Filtration systems
- Low pressure gas systems
- Leak detection

Specifications				
	Piston Gauge (PPD)	Rolling Diaphragm Gauge (PRD)	Small Convoluted Diaphragm Gauge (PSD)	Convoluted Diaphragm Gauge (PVD)
Dial	2" (50mm), 2.5" (63mm), 3.5" (90mm), 4" (100mm), 4.5" (115mm), 6" (150mm)	2.5" (63mm), 3.5" (90mm), 4" (100mm), 4.5" (115mm), 6" (150mm)	2.5" (63mm), 3.5" (90mm), 4" (100mm), 4.5" (115mm), 6" (150mm)	3.5" (90mm), 4" (100mm), 4.5" (115mm), 6" (150mm)
Case	SS or flanged	SS or flanged	SS or flanged	SS or flanged
Lens	Glass	Glass	Glass	Glass
Line Connection Locations	In-line standard, back & bottom (on request)	In-line standard, back & bottom (on request)	In-line standard, back & bottom (on request)	In-line standard, back & bottom (on request)
Connection	1/4", 1/2", 3/8" NPT, BSP, BSPT	1/4", 1/2", 3/8" NPT, BSP, BSPT	1/4", 1/2", 3/8" NPT, BSP, BSPT	1/4", 1/2", 3/8" NPT, BSP, BSPT
Wetted Parts Materials	PTFE, SS, ceramic magnet	Diaphragm, SS, ceramic magnet	Diaphragm, SS, ceramic magnet	Diaphragm, SS or aluminum, ceramic magnet
Body Material	316 SS, aluminum, brass, Monel®	316 SS, aluminum, brass	316 SS, aluminum, brass, Monel®	316 SS, aluminum
Internals/Movement	Magnetic coupling using piston & spring	Magnetic coupling with rolling diaphragm sensor	Magnetic coupling with convoluted diaphragm sensor	Magnetic coupling with convoluted diaphragm sensor
Pointer	Magnetic	Magnetic	Magnetic	Magnetic
Migration of Media	Marginal	Zero	Zero	Zero
Seal	Buna-N standard, Viton®	Buna-N standard, Viton®	Buna-N standard, Viton®	Buna-N standard, Viton®
Standard Ranges	5-150 psi (0.25-10 bar)	5-100 psi (0.25-7 bar)	1-60 psi (0.075-4 bar)	1-25" wc (25-600mmwc)
Maximum Pressure	Aluminum: 3,000 psi (200 bar) 316 SS: 6,000 psi (400 bar)	3,000 psi (200 bar)	1,500 psi (100 bar)	500 psi (35 bar)
Maximum Temperature	175°F (80°C)	175°F (80°C)	175°F (80°C)	175°F (80°C)
Accuracy	±2% of full scale value	±2% of full scale value	±2% of full scale value	±2% of full scale value

Monel® is a registered trademark of Inco Alloys International

Viton® is a registered trademark of DuPont Performance Elastomers

Piston Type (PPD)

- Most suitable for general use/all purpose applications. Uses a piston with Teflon® cap as a sensor to separate high & low pressure in response to pressure differentiation. Not recommended for use on diaphragm seal
- Maximum Pressure: 6,000 psi (400 bar)
- Standard Range: 5-150 psi (0.25-10 bar)

Rolling Diaphragm Gauge (PRD)

- Operates on rolling diaphragm as sensor, which separates high and low pressure ports. Recommended for air and gas applications or where zero migration of fluid between high and low ports is important. Used in high line pressure and differential pressure ranges up to 100 psid. Can be isolated from the media with a diaphragm seal if required
- Maximum Pressure: 3,000 psi (200 bar)
- Standard Range: 5-100 psi (0.25-7 bar)

Small Convoluted Diaphragm Gauge (PSD)

- Operates on a convoluted diaphragm as a sensor which separates high and low pressure ports. Recommended for air and gas applications. Used for high line pressure and differential pressure ranges up to 60 psid
- Maximum Pressure: 1,500 psi (100 bar)
- Standard Range: 1-60 psi (0.075-4 bar)

Convoluted Diaphragm Gauge (PVD)

- Operates on convoluted diaphragm sensor with differential pressure ranges 2-200 inches of water. Used where comparatively low line pressures and sensitivity to small changes in differential pressure is important to 4", 4.5" and 6" dials
- Maximum Pressure: 35 bar
- Standard Range: 1-25" wc (25-600mmwc)

Note: Technical drawings are available upon request
Teflon® is a registered trademark of Dupont Corporation

PPD