



Red Valve

Pressure Sensors



Red Valve Pressure Sensors

Provides Accurate Pressure Measurement

Red Valve's complete line of pressure sensors isolate and protect instrumentation from process lines and provide accurate, repeatable pressure measurement of slurries and fluids. As a result, they make an excellent choice for filter systems and pump protection.

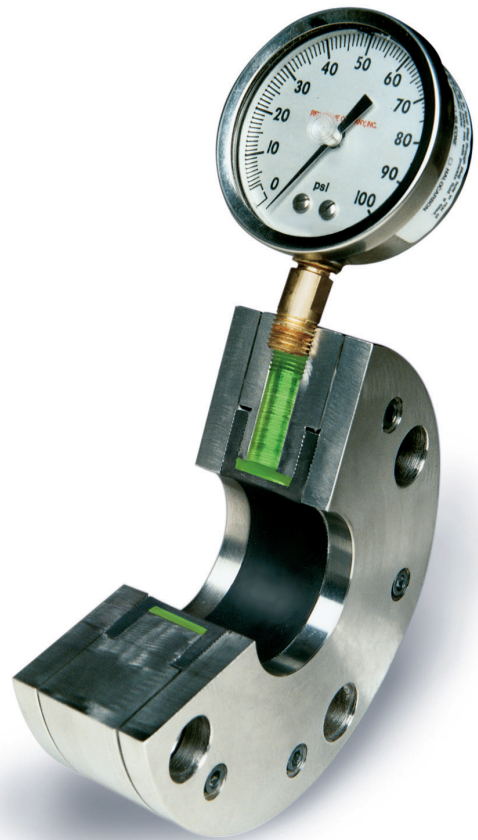
Reliable and accurate pressure readings are often difficult, or even impossible, to obtain in pipelines carrying slurries, solids or chemical process slurries. Slurries and chemicals can clog and foul conventional Bourdon Tubes in gauges, preventing effective pressure reading.

Red Valve Pressure Sensors provide a full 360° pressure reading. They will not clog on slurries, like traditional pressure sensors, due to their self-cleaning, flexing action. Red Valve Pressure Sensors are factory filled and calibrated with various customer-specified instrumentation, including transmitters, pressure switches, gauges, capillary tubing and goalpost manifolds with bleed valves. All are available in domestic and international units of measurement. All Red Valve Pressure Sensors will accommodate both positive and negative pressures.

If you have small-diameter piping size 0.5-2" (15-50mm) that will accept threaded end connections, then Series 47/742 may be used.

Piping size 1" (25mm) or larger that cannot accept threaded end connections can use Series 40, Series 40W or Series 48.

Flanged piping size 2" (50mm) or larger may use Series 40, Series 40W, Series 48 or Series 48W.



Series 40 Pressure Sensor

- Available in sizes 1-36" (25-900mm).
- ASME 150 drilled flanges.
- Full-faced and thru-bolted design installs directly in line.
- Mounts in any flow direction, submerged in a tank, or mount with a blind flange as a dead end to monitor tank levels.



Series 40W Pressure Sensor

- Available in sizes 1-8" (25-200mm).
- ASME 150 drilled flanges.
- Thru-bolted design installs directly in line.
- Self-gasketing, no additional gaskets are required.
- No wetted metal parts.



Series 48 Pressure Sensor

- Available in sizes 2-42" (50-1050mm).
- ASME 150 drilled flanges.
- Wafer design reduces costs.
- Designed to fit inside the bolt pattern of pipe flanges, allowing for ease of installation and reducing the size and weight of the unit.



Series 48W Pressure Sensor

- Available in sizes 1-10" (25-250mm).
- Flange-less wafer design.
- Sensor fits inside the mating flanges.
- Designed with molded in gaskets, no additional gaskets required.
- Tube I.D. matches Schedule 40 pipe.



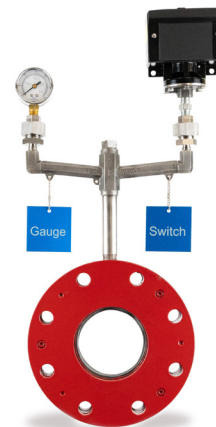
Series 42/742 Pressure Sensor

- Available in sizes 0.5-2" (15-50mm).
- Threaded end design.
- Mounts in any flow direction.
- Can be flushed or rodded clean without removal from line assembly, unlike a diaphragm seal which must be completely disassembled when a blockage occurs and cleaning is required.
- Lower installation and operating costs than flanged or wafer-type models.



Accessories

- Digital instrumentation offers expanded features not found on standard instruments, including full scale digital accuracy, several body styles, stainless steel sockets, vacuum and positive scale readings, easy-to-read digital characters, selectable measurement scales and easy programming, to name only a few.
- Pressure sensors can be equipped with a goalpost manifold and bleed valve. With a goalpost manifold, you can attach up to three instruments to one pressure sensor. A bleed valve replaces the need for a quick disconnect and ball valve on a pressure sensor, increasing reliability and saving time and money.



*Series 40 Pressure Sensor with
Goalpost Manifold and Bleed Valve*



Red Valve offers a worldwide, world-class custom service network. With corporate offices in Pittsburgh, PA, manufacturing facilities in Gastonia, NC, and a network of sales representatives around the globe, Red Valve has the sales engineering team to help you select the best choice of valves and related products for your applications.



Red Valve®
The World Leader in Pinch and Check Valve Technology™

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