

SPS - Series 48W Pressure Sensor



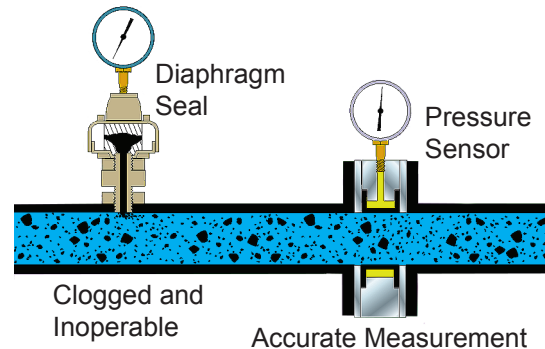
- No wetted metal parts
- No gaskets required
- Non-clogging, protects instrumentation
- Wafer style
- Accommodates both positive and negative pressures

Materials of Construction

- **Body (non-wetted):** Carbon Steel, 316 Stainless Steel.
- **Sleeves:** Pure Gum Rubber (PGR), Ethylene Propylene Diene Terpolymer (EPDM)*, Acrylonitrile-Butadiene (NBR), Fluoroelastomer (FKM)*, Chloroprene (CR)*, Chlorosulfonated Polyethylene (CSM), Chloro-Isobutylene-Isoprene (CIIR).
- * White food grade options available.
- **Flanges:** Carbon Steel, Stainless Steel or Polytetrafluoroethylene (PTFE)-Coated Carbon Steel.
- **Fill Fluids:** Silicone Oil (400° F), Ethylene Glycol and Water (200° F), Vegetable Oil (230° F).

The Series 48W Pressure Sensor isolates and protects instrumentation. The full-port design eliminates clogging, ensuring accurate pressure measurement under the most difficult conditions. The elastomer sleeve senses pressure 360° around the inner circumference of the unit, overcoming problems like plugging and fouling of traditional diaphragm seals.

Combinations of elastomers and sensing fluids provide an operating range of -20° F to 400° F. All areas exposed to the process media are covered by elastomer. Depending on the type of media being handled, elastomers can be specified to offer the best combination of chemical and abrasion resistance characteristics. The elastomer sleeve extends to the flange face, eliminating the need for additional gaskets.



SERIES 48W

SIZE	DIMENSIONS in/mm	
	H	W
1" 25mm	2.50 64	1.88 48
1.5" 40mm	3.25 83	1.88 48
2" 50mm	4.00 102	1.88 48
2.5" 65mm	4.75 121	1.88 48
3" 80mm	5.25 133	1.88 48
4" 100mm	6.75 171	2.13 54
6" 150mm	8.63 219	2.25 57
8" 200mm	10.88 276	2.25 57
10" 250mm	13.25 337	2.81 71

Product pressure ratings are consistent with the pressure ratings of the 150# flanges to which they are mated. Contact Red Valve for use with other flange classes.

Larger sizes available upon request.

