

SPS - Series 40W Pressure Sensor



- No wetted metal parts
- No gaskets required
- Non-clogging, protects instrumentation
- Thru-bolted design - positive alignment, secure connection
- 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.
- **Drilled Flanges:** ASME 150 in Carbon Steel, 316 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 40W 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 40W

SIZE	DIMENSIONS in/mm	
	H	W
1" 25mm	4.50 114	1.88 48
1.5" 40mm	5.00 127	1.88 48
2" 50mm	6.00 152	1.88 48
2.5" 65mm	7.00 178	1.88 48
3" 80mm	7.50 191	1.88 48
4" 100mm	9.00 229	2.13 54
6" 150mm	11.00 279	2.25 57
8" 200mm	13.50 343	2.50 64

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.

If size larger than 8" is required, see Red Valve Series 40 and Serie 48.

