

Cla-Val Pressure Sensor



- Full port design
- Accurate pressure instrument protection
- One wetted part
- Operates multiple instruments

The Cla-Val CVPS Pressure Sensors provide the ideal method of protecting pressure measurement and control instruments in process lines. The full port flow through design of CVPS sensors is self cleaning, eliminating the problem of seal cavity blockage that is common with diaphragm type pressure sensors. The instrumentation is completely isolated from the process fluid line.

The CVPS wafer style pressure sensors contain only one wetted part, with integral flange gaskets provided by the one piece molded sleeve, and are available to suit all ANSI flange classifications. A variety of sleeve materials is available to provide optimum abrasion and corrosion resistance for different process fluids. T.P.S. style pressure sensors are available with alloy metal and plastic threaded ends for small diameter piping systems.

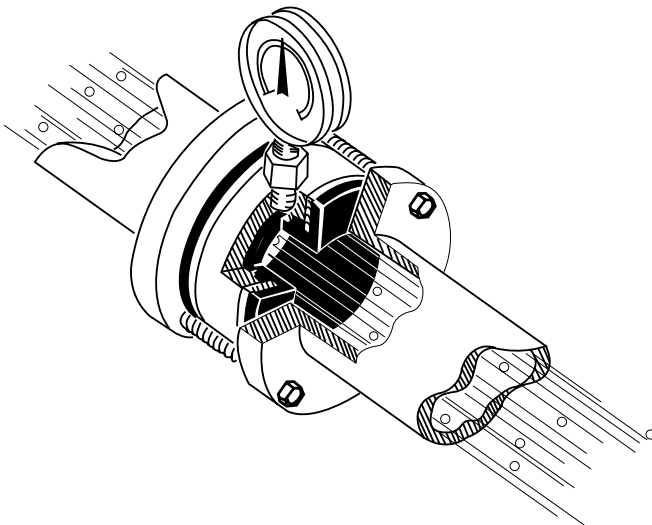
Applications

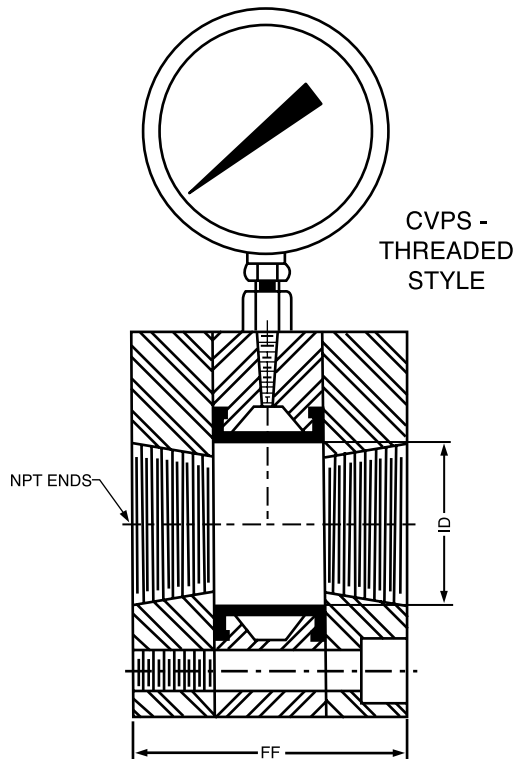
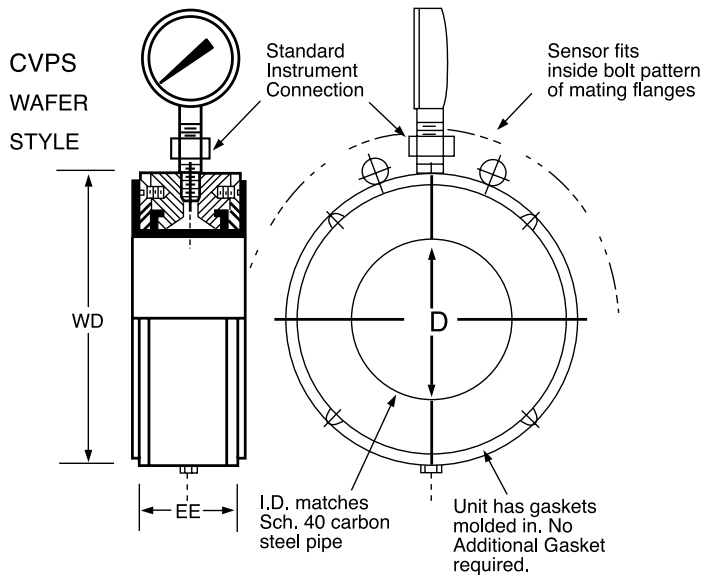
- Pump Protection
- Control Loop Feedback
- Pump Head Control
- Liquid Level Control and Indication
- Remote and Local Pressure Indications

Changes in the pipeline or vessel pressure are transmitted through the elastomer sleeve to the sensing fluid which operates the pressure instrument mechanism. The CVPS pressure sensor provides numerous advantages over commonly used diaphragm type sensors.

The large sensing area results in consistently accurate pressure readings, even with normally hard to gauge process fluids. Because of the high volume of sensing fluid available for displacement, compared to conventional diaphragm seals, multiple instrument arrangements are possible and a variety of pressure instruments can be used.

The CVPS pressure sensors can be used to protect gauges, sensors, transducers, and transmitters in a variety of pressure measurement and control applications.





WAFER STYLE - CVPS

Size D	Length EE	Diameter OD
1	1 7/8	2 1/4
1 1/2	1 7/8	3 1/4
2	1 7/8	4
2 1/2	1 7/8	4 3/4
3	1 7/8	5 1/4
4	2 1/8	6 3/4
5	2 1/4	7 5/8
6	2 1/4	8 5/8
8	2 1/4	10 7/8
10	2 13/16	13 1/4
12	3 1/2	16
14	3 1/2	17 1/2

THREADED STYLE - CVPS.

Inside Diameter ID	Outer Diameter OD	Face to Face FF
1/2"	2 1/2"	2 7/8"
3/4"	3"	3"
1"	3"	3 3/8"
1 1/2"	4"	3 3/8"
2"	4 3/4"	3 3/8"



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