



Fluid Power Specialist



Heavy Duty Diaphragm Seal Type HDS

Applications

Process industry diaphragm seal to combine bourdon tube pressure gauges. Intended for corrosive, contaminated, hot or viscous pressure media.

Features

- Multi-purpose diaphragm seal
- Threaded process connection
- Diaphragm welded to upper housing

Design

The diaphragm is welded to the upper housing which allows the replacement of the lower housing without jeopardizing the integrity of the system fill fluid and installed instrument. The upper and lower housing are bolted together and sealed by use of an O-ring. Process wetted components can be manufactured with solid metallic and nonmetallic materials.

Pressure Rating, Maximum¹:
3,675 psi

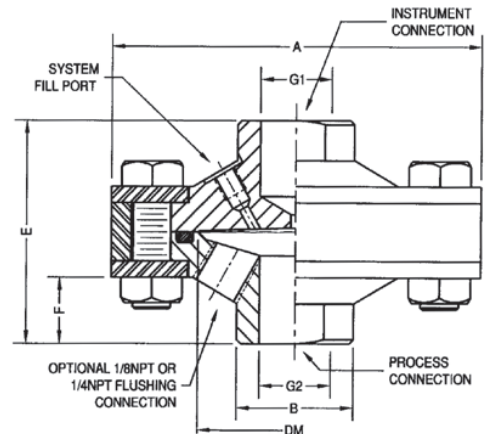
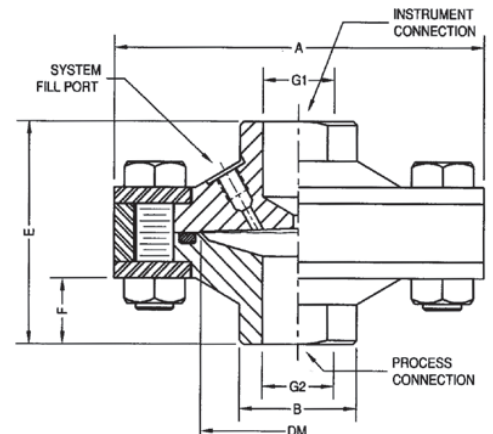
Suitable Pressure Span, Minimum²:
Gauge (Range3): 2½", > 15 psi 4" or 4½", > 15 psi

Pressure Transmitters (LZAT)⁴:
> 15 psi

Operating Temperature⁵:
-130°F to 752°F (-90°C to 400°C)



Heavy Duty Diaphragm Seal Model HDS



DM: EFFECTIVE DIAPHRAGM DIAMETER
G1: INSTRUMENT CONNECTION
G2: PROCESS CONNECTION
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE NOTED

G1	G2	A	B	DM	E	F	WEIGHT lbs
1/4"NPT OR 1/2"NPT	1/4"NPT OR 1/2"NPT	3.74	1.18	2.1	2.20	0.63	3.0
	3/4"NPT		1.41	2.1	2.36	0.79	3.4
	1"NPT		1.77	2.1	3.46	1.89	3.6



HYDRAULICS
WITH A GLOBAL REPUTATION