Pentafold 5–Valve Manifold

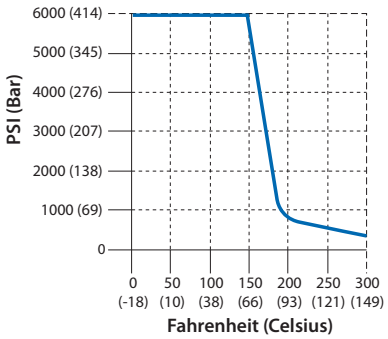
The Hoke Pentafold 5-valve manifold is specifically designed for use with differential pressure transmitters when applied to gas flow measurement. This manifold design uses two PCTFE seated ball valves and three needle valves with non-rotating PCTFE stem tips as bypass or equalizing valves and vent valves. The two by-pass valves assure no leakage across the high and low side of the orifice meter for critical gas flow measurement. The pipe by pipe Pentafold design allows the manifold to be mounted away from the process but close to a differential pressure transmitter through the use of impulse piping.



Technical Data

MAXIMUM OPERATING PRESSURE	6000 psig (414 barg) -20° F to +150° F (-29°C to +66° C) 400 psig @ +300° F (28 barg @ +149° C)
OPERATING TEMPERATURE RANGE	0° F to +300° F (-18°C to +149° C)

Pressure Temperature Curves



Features & Benefits

- Static or vent ports provided on instrument side.
- Replaceable ball seats and stem tips extend service life, reducing cost.
- Threaded mounting hole provided on all models.
- Single manifold block has fewer potential leak paths than individually assembled valves.
- TFE standard packing in all valves.
- Special High Tolerance NPT Thread

instrument manifolds

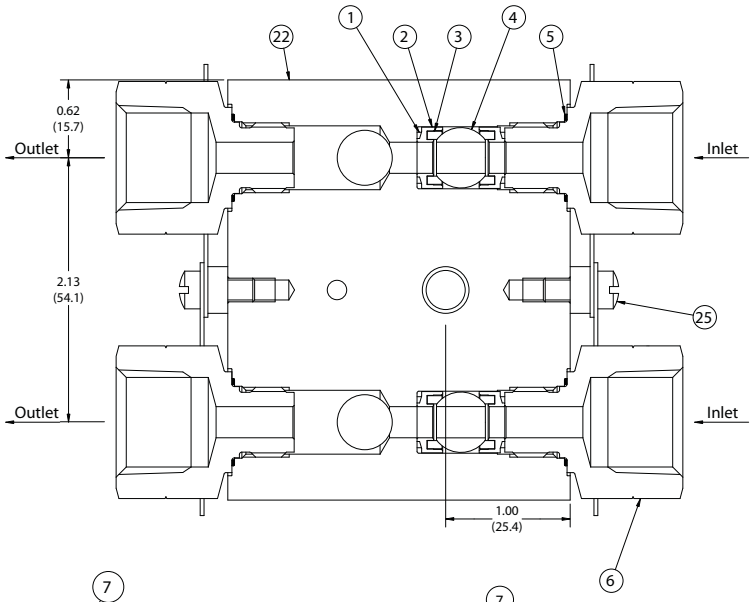
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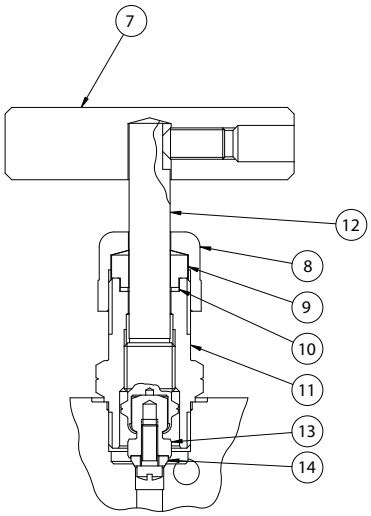
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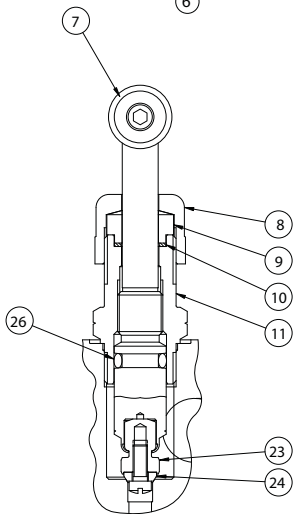
Special Application Manifolds

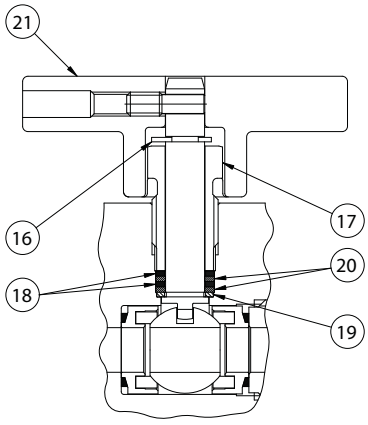
Dimensions and Materials

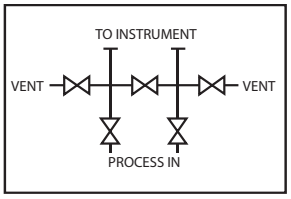
Dimensions are in inches (millimeters) are for reference only and are subject to change



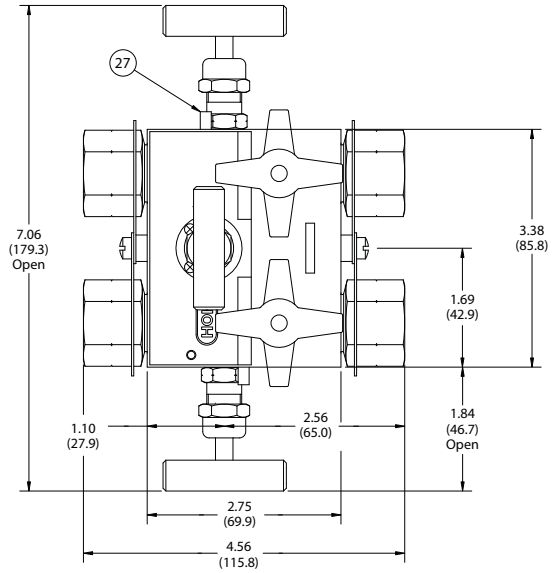








	DESCRIPTION	MATERIAL
1	WASHER	Fluorelastomer
2	SEAT RETAINER	316 stainless steel
3	SEAT	PCTFE
4	BALL	316 stainless steel
5	PLUG WASHER	Teflon®
6	END FITTING	316 stainless steel
7	HANDLE	316 stainless steel
8	PACKING NUT	316 stainless steel
9	PACKING	Teflon®
10	SPACER	316 stainless steel
11	HOUSING	316 stainless steel
12	SPINDLE	316 stainless steel
13	SEAT RETAINER	316 stainless steel
14	SEAT	PCTFE
15	STEM	316 stainless steel
16	RETAINING RING	Stainless steel
17	STEM RETAINER	316 stainless steel
18	SHIM WASHER	316 stainless steel
19	SHIM WASHER	316 stainless steel
20	SHIM WASHER	Teflon®
21	HANDLE	Aluminum alloy 360
22	BODY	316 stainless steel
23	SEAT RETAINER	316 stainless steel
24	SEAT	PCTFE
25	SCREW	18-8 stainless steel
26	O-RING	Fluorelastomer
27	SPRING PIN	302 stainless steel



How to Order Pentafold

CONNECTIONS		ORDERING NUMBER
INLET PROCESS	OUTLET INSTRUMENTATION	
1/2" Female NPT	Flange	8613F8Y