Compact Style Hard Seat

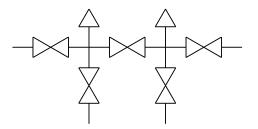




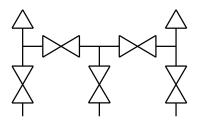
5040/5090 SERIES

- Compact style, power pattern is designed for use with differential pressure transmitters incorporating two isolation valves, one equalizing valve and two vent valves in power pattern applications
- Compact style, natural gas flow is designed for use with differential pressure transmitters incorporating two isolation valves, two equalizing valves and a vent valve in natural gas applications
- 100% helium leak tested to 1 x 10-4 ml/s for performance and reliability
- Blow-out proof stem provides a secondary stem seal in the full open position
- FKM o-ring seal and PTFE back-up ring below the stem threads to protect from corrosion and galling
- · All stem threads are rolled for strength and ease of operation
- One-piece bonnet with a metal-to-metal seal to the valve body below the bonnet threads
- · Slotted spring pin to prevent accidental loosening
- · Labeled and color coded vinyl dust caps for bonnets and stems

Differential/Power Pattern Flow Schematic (5040)



Natural Gas Flow Schematic (5090)



SPECIFICATIONS				
Materials	Electropolished 316 Stainless Steel*			
Connection	1/2" NPT-flange			
Pressure ratings	6,000 psi @ 200 °F			
Orifice size	0.125"			
Flow coefficient	C _v 0.30			
Stem seal & type	All 316 Stainless Steel stems with FKM o-ring and PTFE back-up ring below the threads, PTFE or Graphite packing optional			
Options	Packings, regulating stem and stem tips o-ring materials and handles			
Weight	Approximately 4.4 lb.			

All 316SS products meet the requirements of NACE MR0175/ISO 15156-3.

For NOSHOK Valves with Stainless Steel valve types:



WARNING: This product can expose you to chemicals including Chromium (VI) and Nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

NOTE: All NOSHOK valve products conform to the MSS SP-99 instrument valves standards, and valves supplied with packing also conform to MSS SP-132 compression packing systems for instrument valves standard.

5040/5090 SERIES ORDERING INFORMATION

5040 - MFS

ORDERING INFORMATION							
SERIES	5	5-valve					
SEAT	0	Hard seat					
PROCESS TYPE	4	Compact style, power pattern 9 Compact style, natural gas flow					
CONNECTION	0	1/2" NPT standard					
VALVE TYPES	MFS	Flange-Female, Stainless Steel (MSS SP-99 spacing) MFS-CP Flange-Female, Stainless Steel (Coplanar™ spacing)					

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

EXAMPLE

Series	
Seat	Hard seat
Process type	Compact style, power pattern
Connection	
Valve type	Flange-female, Stainless Steel

To meet all of your specific application requirements, the following **additional options** are available for these manifold valves. To order all or any of these options, simply add them to the part number as shown in the diagram below.

NOTE 1: The example shown includes ALL possible additional options. Please include ONLY the options required for your application when building your part number. (EXAMPLE: 5040-MFS-P1)

NOTE 2: When a packing option is selected, an o-ring option is NOT available.

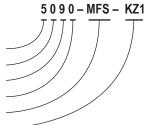
PACKINGS P1 PTFE P2 Graphite STEM TIPS T1 Non-rotating (316 Stainless) T6 Ball (carbide) T8 Ball (Monel) T5 Ball (400C Stainless) T7 Ball (caramic) T9 Non-rotating regulating (316 Stainless)	ORDERING INFORMATION - ADDITIONAL OPTIONS							
	PACKINGS	P1	PTFE	P2	Graphite			
T5 Ball (AAOC Stainless) T7 Ball (ceramic) T9 Non-rotating regulating (316 Sta	STEM TIPS	T1	Non-rotating (316 Stainless)	T6	Ball (carbide)	T8	Ball (Monel)	
		T5	Ball (440C Stainless)	T7	Ball (ceramic)	Т9	Non-rotating regulating (316 Stainless)	
O-RINGS* EM1 EPDM KZ1 FFKM (Perfluoroelastomer) NB1 NBR	O-RINGS*	EM1	EPDM	KZ1	FFKM (Perfluoroelastomer)	NB1	NBR	

Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

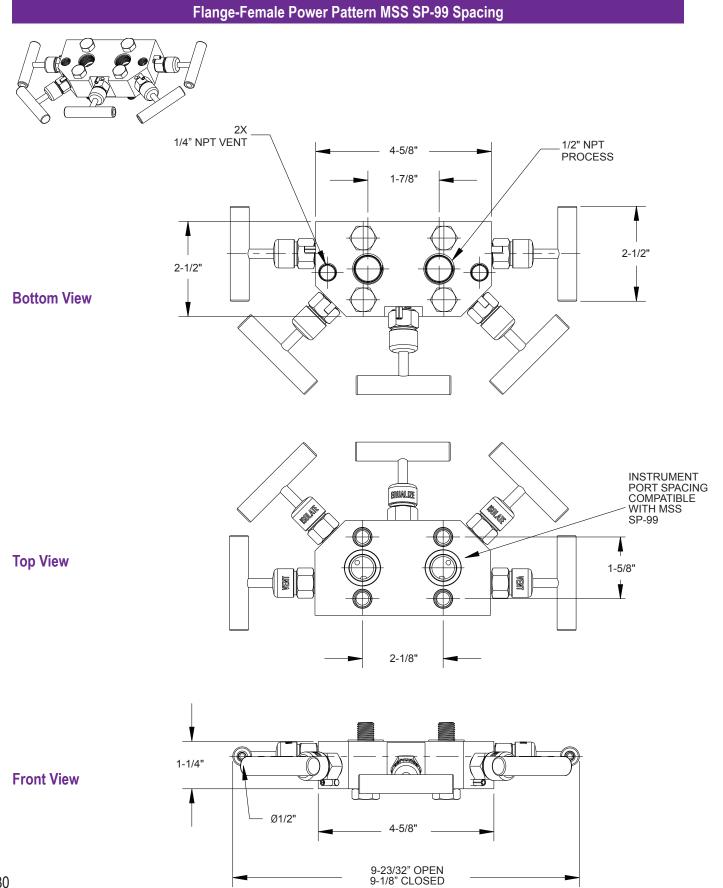
* Other o-ring materials available on request.

EXAMPLE with Additional Options

Series	5-valve
Seat	Hard seat
Process type	Compact style, natural gas flow
Connection	
Valve type	Flange-female, Stainless Steel
O-ring	FFKM



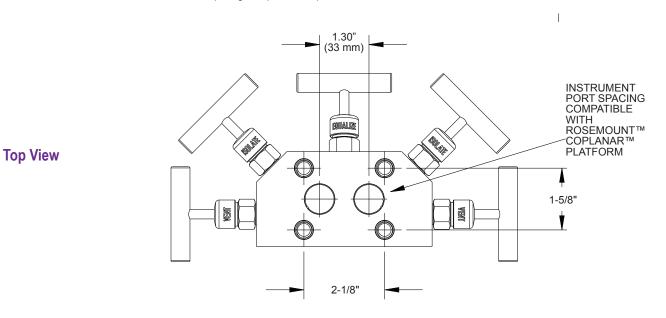
Dimensions



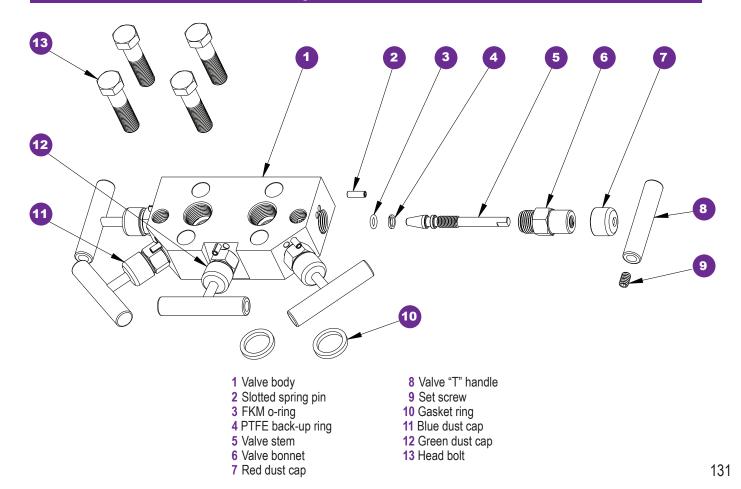
5040/5090 SERIES DIMENSIONS

Flange-Female Power Pattern Coplanar[™] Spacing

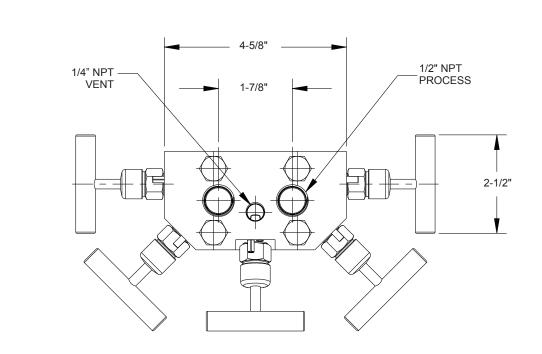
Note: All dimensions are the same as the SP-99 spacing except for the top view shown below.



Flange-Female Power Pattern

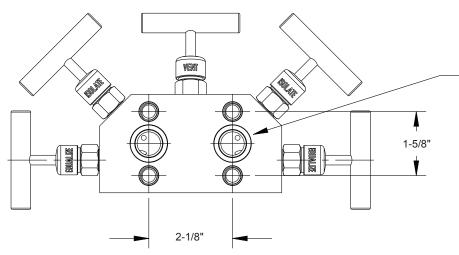


Dimensions



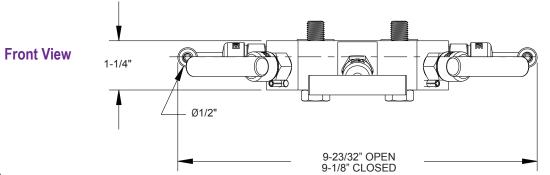
Flange-Female Natural Gas Flow MSS SP-99 Spacing

Bottom View



INSTRUMENT PORT SPACING COMPATIBLE WITH MSS SP-99

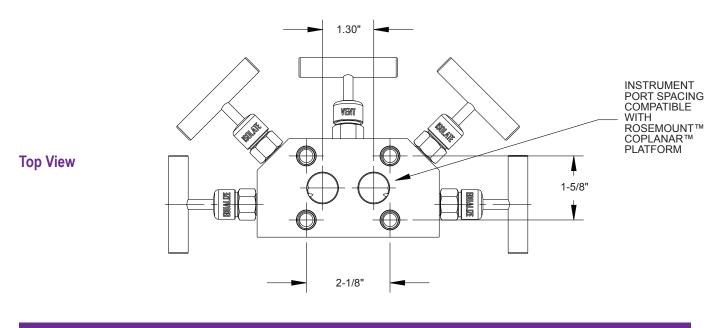
Top View



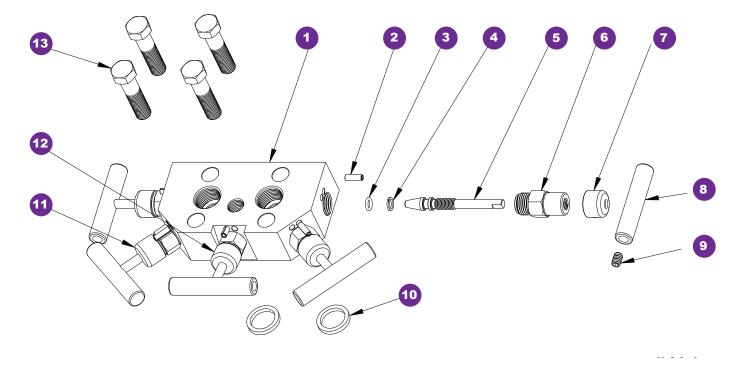
5040/5090 SERIES DIMENSIONS

Flange-Female Natural Gas Flow Coplanar™ Spacing

Note: All dimensions are the same as the SP-99 spacing except for the top view shown below.



Flange-Female Natural Gas



- 1 Valve body 2 Slotted spring pin 3 FKM o-ring 4 PTFE back-up ring
- 5 Valve stem
- 6 Valve bonnet
- 7 Green dust cap
- 8 Valve "T" handle 9 Set screw 10 Gasket ring 11 Blue dust cap 12 Red dust cap 13 Head bolt