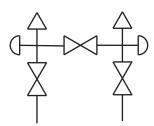
Soft Seat (0.375" Orifice)

3510 SERIES



- Designed for use with differential pressure transmitters incorporating two isolation valves and an equalizing valve in differential pressure measurement
- Available in block, single flange, or double flange connection for remote or direct installation
- 100% helium leak tested to 1 x 10^{-4} ml/s for guaranteed performance and reliability
- Soft seat design has 6,000 psi pressure rating @ 200 °F
- Features a replaceable Delrin® seat, and straight through porting for bidirectional, high capacity flow and easy roddable cleaning
- 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 stems are 316 stainless steel
- · 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
- Vinyl dust caps for bonnets and stems
- Non-rotating stem tip standard on isolation valves

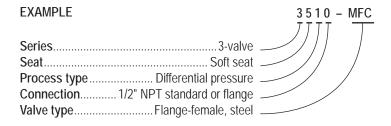
Flow Schematic



SPECIFICATIONS				
Materials	Zinc-nickel plated steel, electropolished 316 stainless steel			
Connection	Flange-flange, 1/2" NPT-flange, 1/2" NPT-1/2" NPT			
Pressure ratings	6,000 psi @ 200 °F			
Orifice size	0.375"			
Flow coefficient	C _V 3.0			
Stem seal & type	All 316 stainless steel stems with FKM o-ring and PTFE back-up ring below the threads			
Options	Panel mountings, o-ring materials, handles, packings, regulating stem and stem tips			
Weight	Approximately 6.5 lb.			

ORDERING INFORMATION							
SERIES	3	3-valve					
SEAT	5	Soft seat, 0.375" orifice					
PROCESS TYPE	1	Differential pressure					
CONNECTION	0	1/2" NPT standard or flange					
VALVE TYPES	MFC	Flange-Female, Steel	MFS	Flange-Female, Stainless Steel	MMC	Flange-Flange, Steel	
	FFC	Female-Female, Steel	FFS	Female-Female, Stainless Steel	MMS	Flange-Flange, Stainless Steel	

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



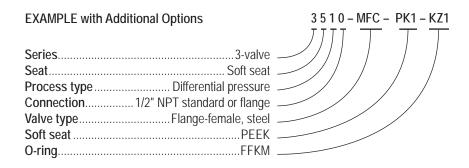
To meet all of your specific application requirements, the following additional options are available for these manifold valves. To order all or any of these options, simply add them to the part number as follows:

ORDERING INFORMATION - ADDITIONAL OPTIONS						
SOFT SEATS	PK1 PEEK	KF1 PCTFE				
O-RINGS*	EM1 EPDM	KZ1 FFKM (Kalrez® 3018 or equivalent)	NB1 NBR			
HANDLES	HL3 1" Round knurled	HL4 1-3/8" Phenolic	HL5 1-3/4" Phenolic			

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

Please note that the standard o-ring in all the NOSHOK valves is FKM and the standard handles are isolation "T" handles (HL8) and equalizing "T" handles (HL2).

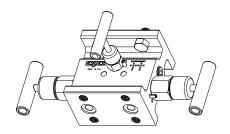
The handle material will always match the material of the valve, unless otherwise specified. For example, the "T" handle on the 3510-MFC will be steel. When only the standard configuration is needed, no additional designations are necessary. Please consult the factory for special application requests.



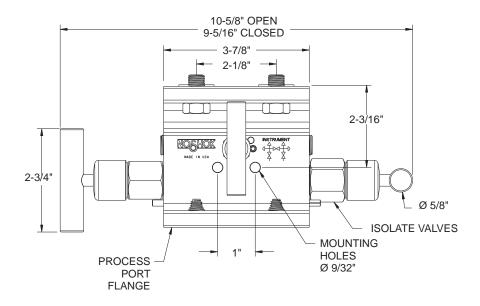
^{*} Other o-ring materials available on request.

Dimensions

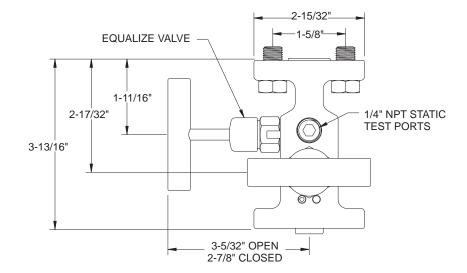
Flange-Flange



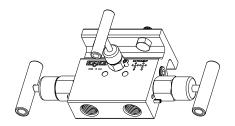
Top View



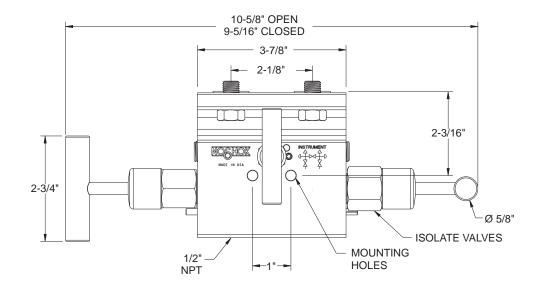
Side View



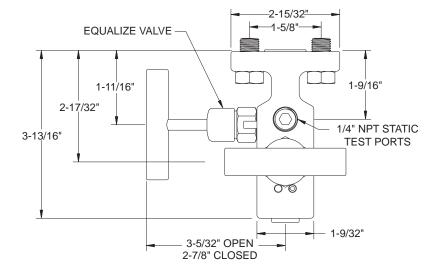
Flange-Female



Top View

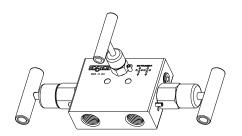


Side View

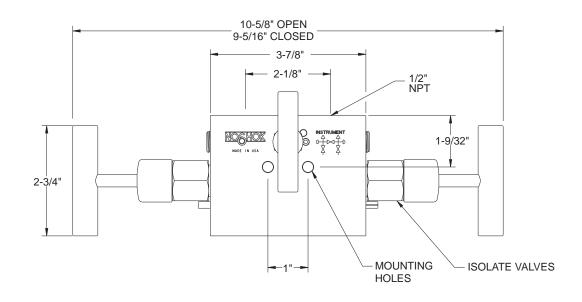


Dimensions

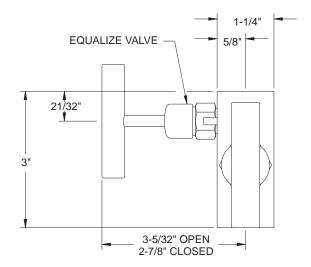
Female-Female

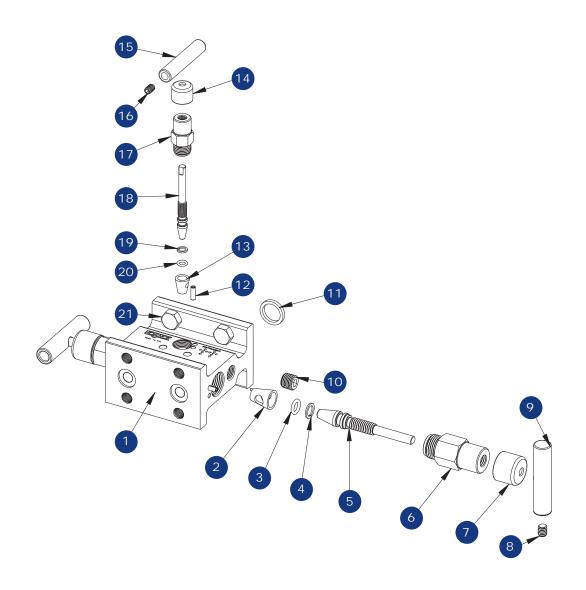


Top View



Side View





- 1 Valve body
- 2 Delrin® seat

- FKM o-ringPTFE back-up ringNon-rotating stem assemblyValve bonnet
- 7 Blue dust cap
- 8 Set screw
- 9 Valve "T" handle
- 10 Plug11 Gasket ring

- 12 Slotted spring pin13 Delrin® seat
- 14 Green dust cap
- 15 Valve "T" handle
- 16 Set screw
- 17 Valve bonnet
- 18 Valve stem
- 19 PTFE back-up ring
- 20 FKM o-ring
- 21 Head bolt