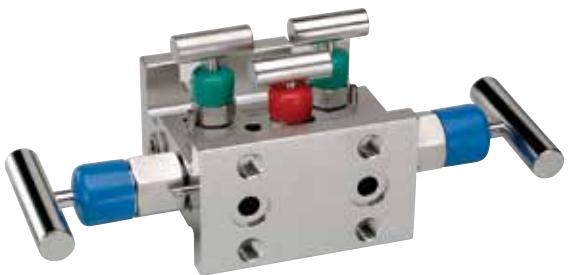


## Soft Seat/Tip (0.375" Orifice)



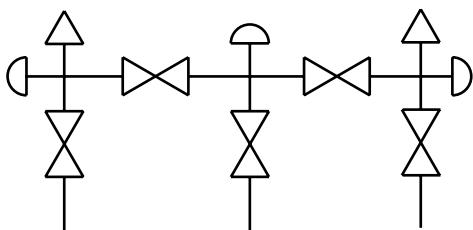
90° Angle option



Flare Pattern™ option



## Flow Schematic



## 5530 SERIES

- Designed for use with differential pressure transmitters incorporating two isolation valves, two equalizing valves and a vent valve in natural gas applications
- Flare Pattern™ valve configuration provides maximum clearance for fingers during operation
- Soft tip valves feature a patented Acetal non-rotating soft tip stem, and a back-up metal-to-metal seal (U.S. Patent 6,820,857)
- Non-rotating stem tip standard on large bore isolation valves
- Available in block, single flange, or double flange connection for remote or direct installation
- 100% helium leak tested to  $1 \times 10^{-4}$  ml/s for performance and reliability
- Features a replaceable Acetal seat, and straight through porting for bidirectional, high capacity flow and easy roddable cleaning on the block valves
- 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
- Color coded vinyl dust caps for bonnets and stems

## SPECIFICATIONS

Materials	Zinc-Nickel plated carbon Steel, electropolished 316 Stainless Steel*
Connections	Flange-flange 1/2" NPT-flange 1/2" NPT-1/2" NPT Flange-flange 90° angle
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
Additional features	Two static (test) ports, color coded vinyl bonnet and stem dust cap, patented soft tip stem design on equalizing and vent valves
Weight	Approximately 5.8 lb. without flange Approximately 7.5 lb. with flange 90° Angle version approximately 9.4 lb.

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

 **WARNING:** This product can expose you to chemicals including Lead 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](http://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.

SERIES	5 5-valve		
SEAT	5 Soft seat/tip 0.375" orifice		
PROCESS TYPE	3 Natural gas flow		
CONNECTION	0 1/2" NPT standard or flange		
VALVE TYPES	MFC Flange-Female, Steel	FFS Female-Female, Stainless Steel	MMS Flange-Flange, Stainless Steel
	FFC Female-Female, Steel	MMC Flange-Flange, Steel	MMAS* Flange-Flange 90° Angle, Stainless Steel
	MFS Flange-Female, Stainless Steel	MMAC* Flange-Flange 90° Angle, Steel	

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

\* Only available in Flare Pattern™ configuration.

#### EXAMPLE

Series.....5-valve  
 Seat.....Soft seat/tip  
 Process type.....Natural gas flow  
 Connection.....1/2" NPT standard  
 Valve type.....Flange-flange 90° Angle, Stainless Steel

5530 – MMAS

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

BODY CONFIGURATION	FP Flare Pattern™		
SOFT SEATS	PK1 PEEK	KF1 PCTFE	
O-RINGS*	EM1 EPDM	KZ1 FFKM (Perfluoroelastomer)	NB1 NBR
HANDLES	HL3 1" Round knurled	HL4 1-3/8" Phenolic	

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

\* Other o-ring materials available on request.

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/vent 1-3/8" mini "T" handles (HL7).

The handle material will always match the material of the valve, unless otherwise specified. For example, the "T" handle on the 5530-MFC will be Steel. When only the standard configuration is needed, no additional designations are necessary. Please consult the factory for special application requests.

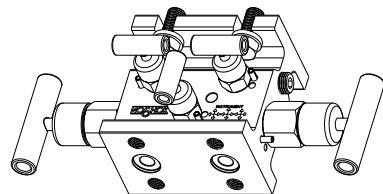
#### EXAMPLE with Additional Options

Series.....5-valve  
 Seat.....Soft seat  
 Process type.....Natural gas  
 Connection.....1/2" NPT standard or flange  
 Valve type.....Flange-female, Steel  
 Body configuration.....Flare Pattern™  
 Soft seat.....PEEK  
 O-ring.....FFKM

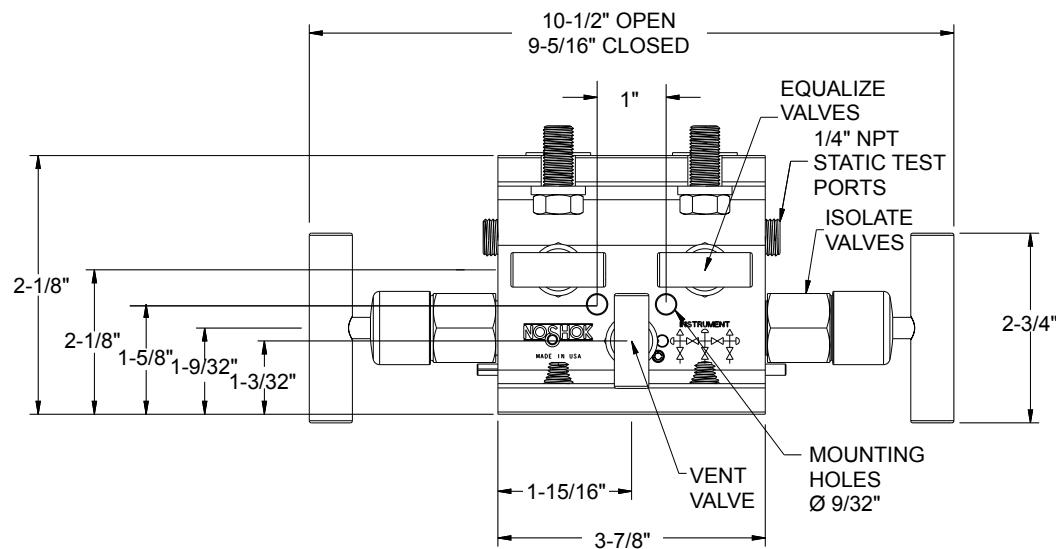
5530 – MFC – FP – PK1 – KZ1

# Dimensions

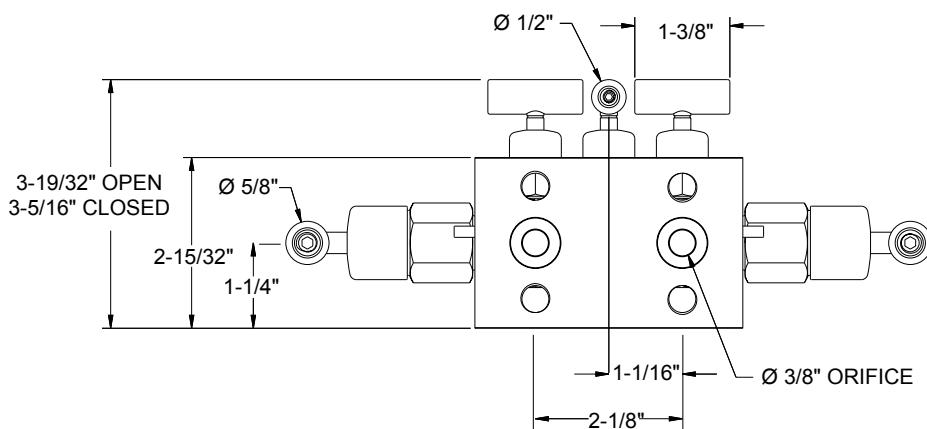
## Flange-Flange



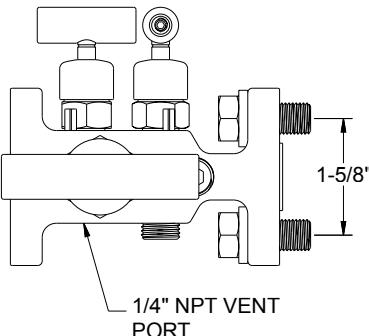
Top View



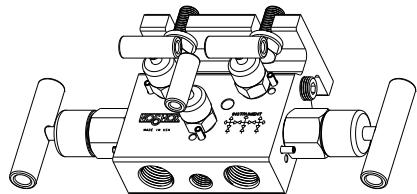
Front View



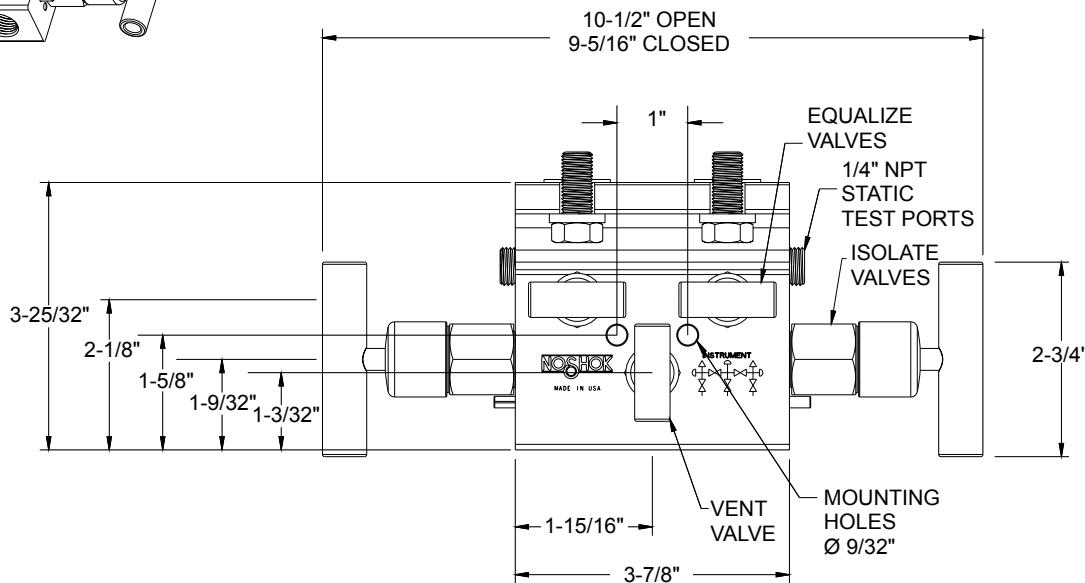
Side View



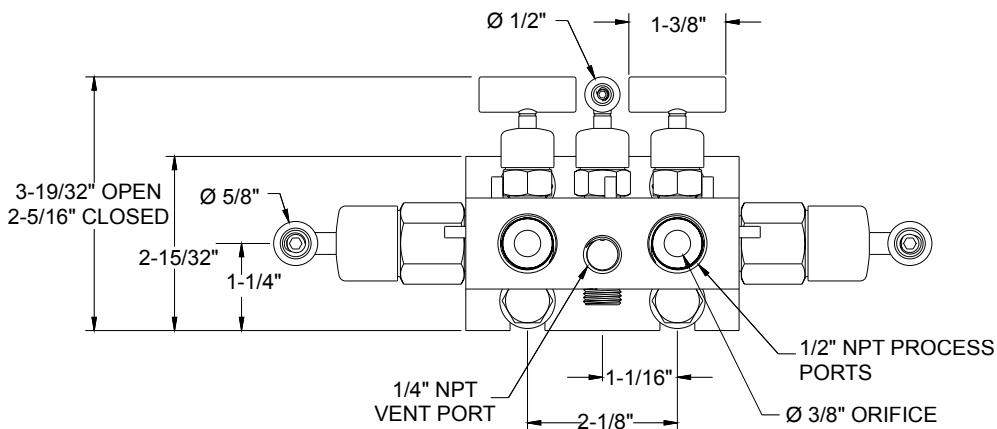
**Flange-Female**



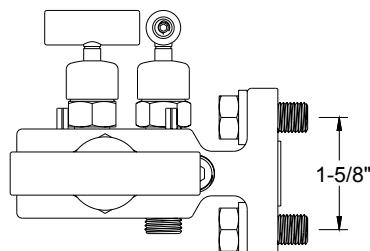
**Top View**



**Front View**

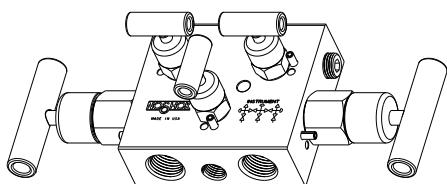


**Side View**

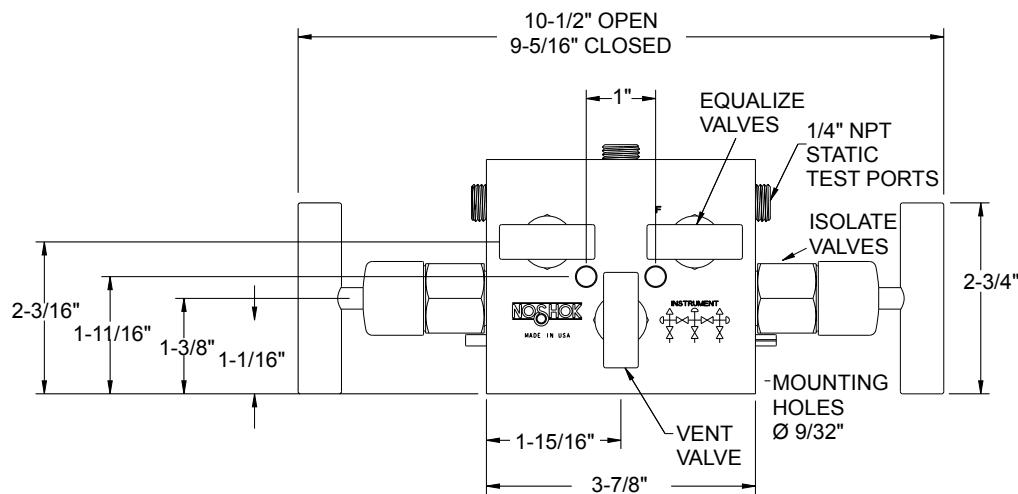


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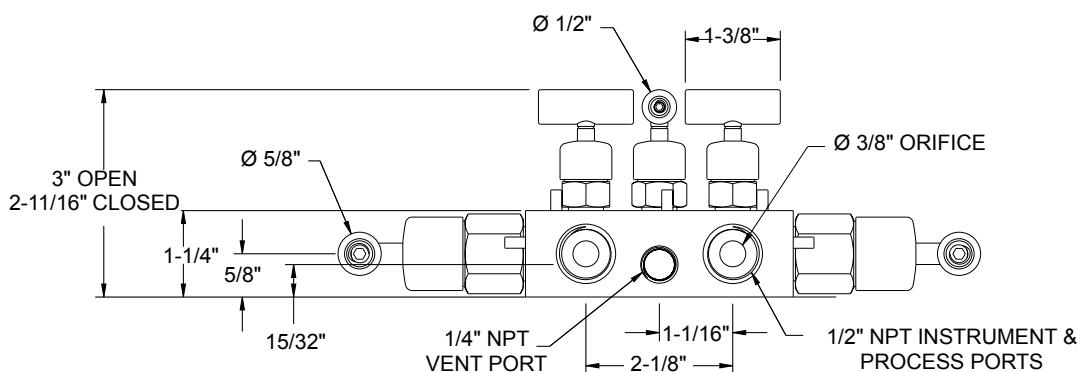
## Female-Female



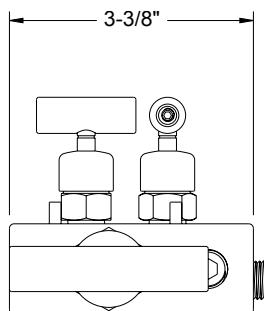
Top View



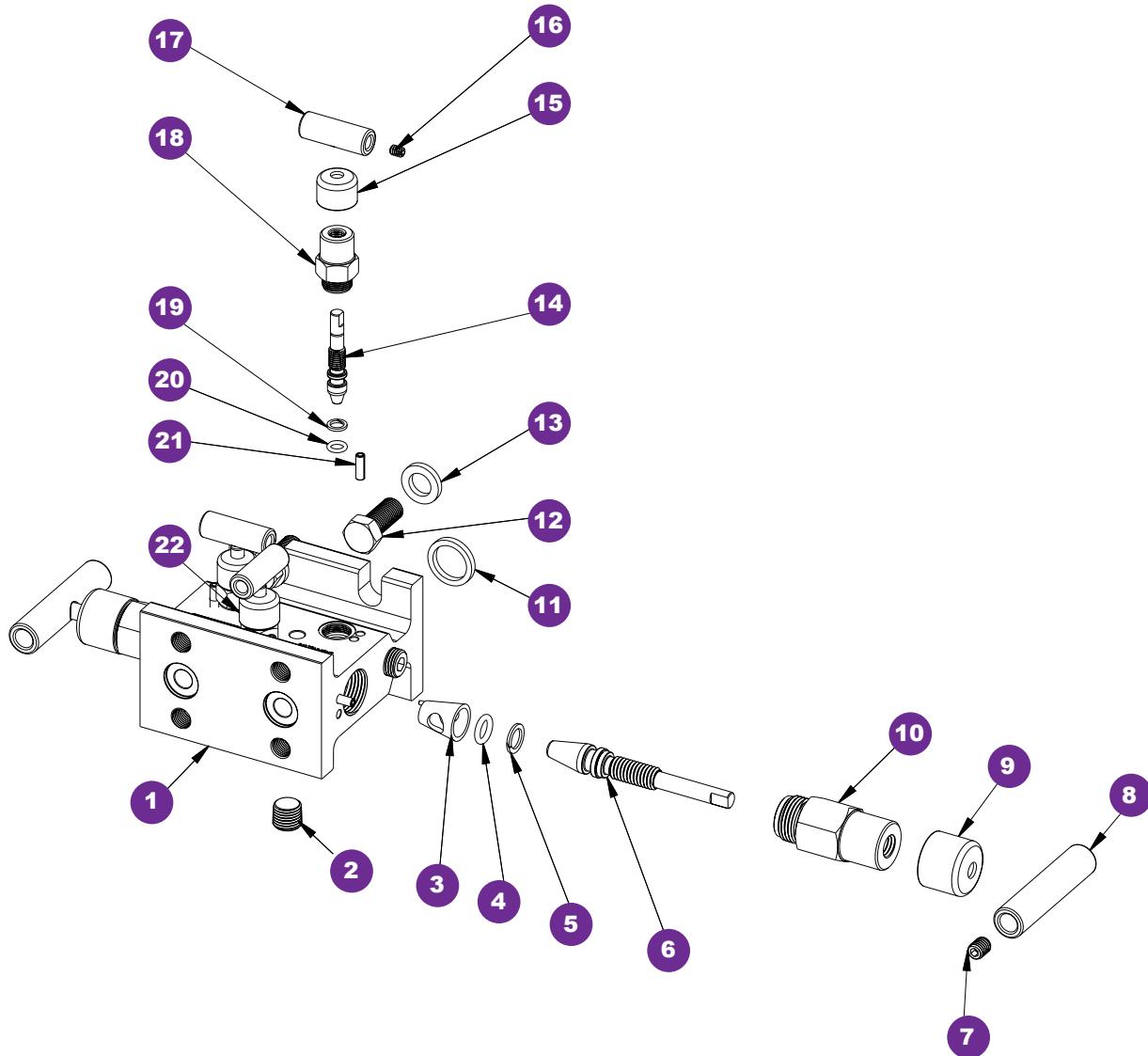
Front View



Side View



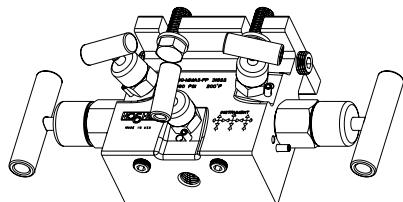
For panel mount or  
packing dimensions,  
see pg. 66.



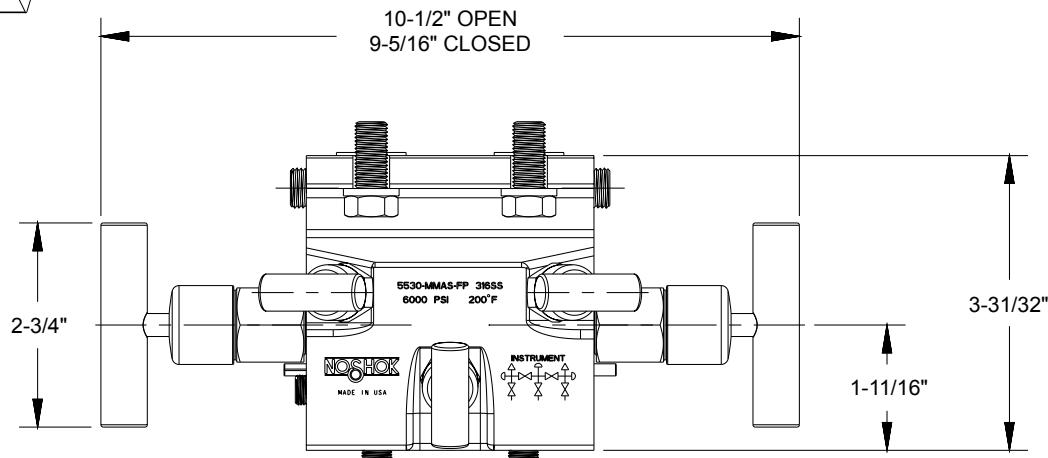
1 Valve body	12 Head bolt
2 Plug	13 Washer
3 Acetal seat	14 Soft tip stem
4 FKM o-ring	15 Green dust cap
5 PTFE back-up ring	16 Set screw
6 Non-rotating stem	17 Mini valve "T" handle
7 Set screw	18 Mini valve bonnet
8 Valve "T" handle	19 PTFE back-up ring
9 Blue dust cap	20 FKM o-ring
10 Valve bonnet	21 Slotted spring pin
11 Gasket ring	22 Red dust cap

# Dimensions

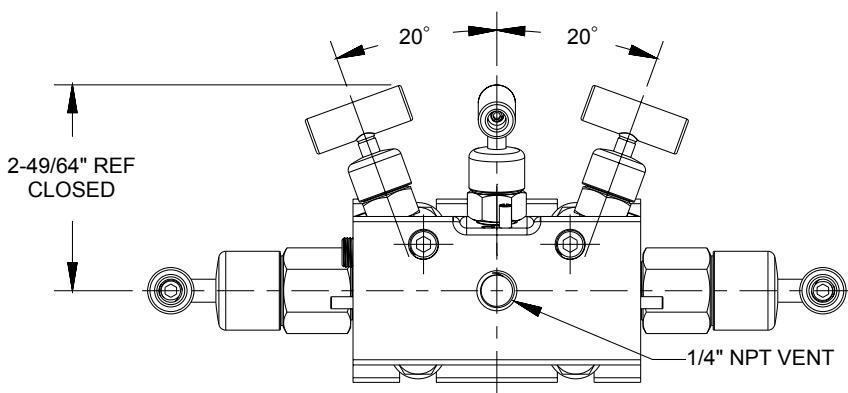
## Flange-Flange 90° Angle



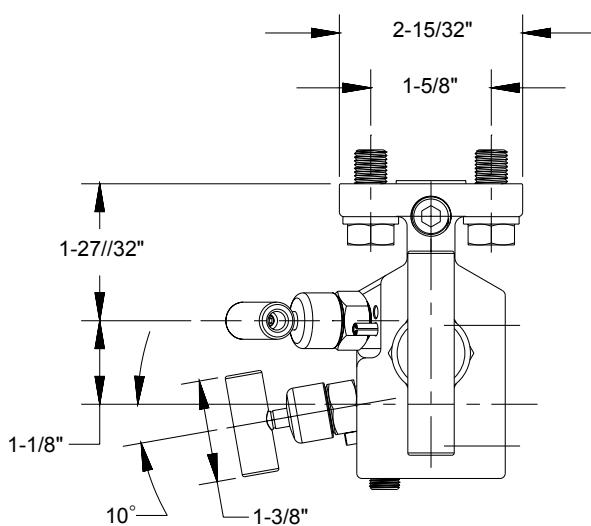
Top View

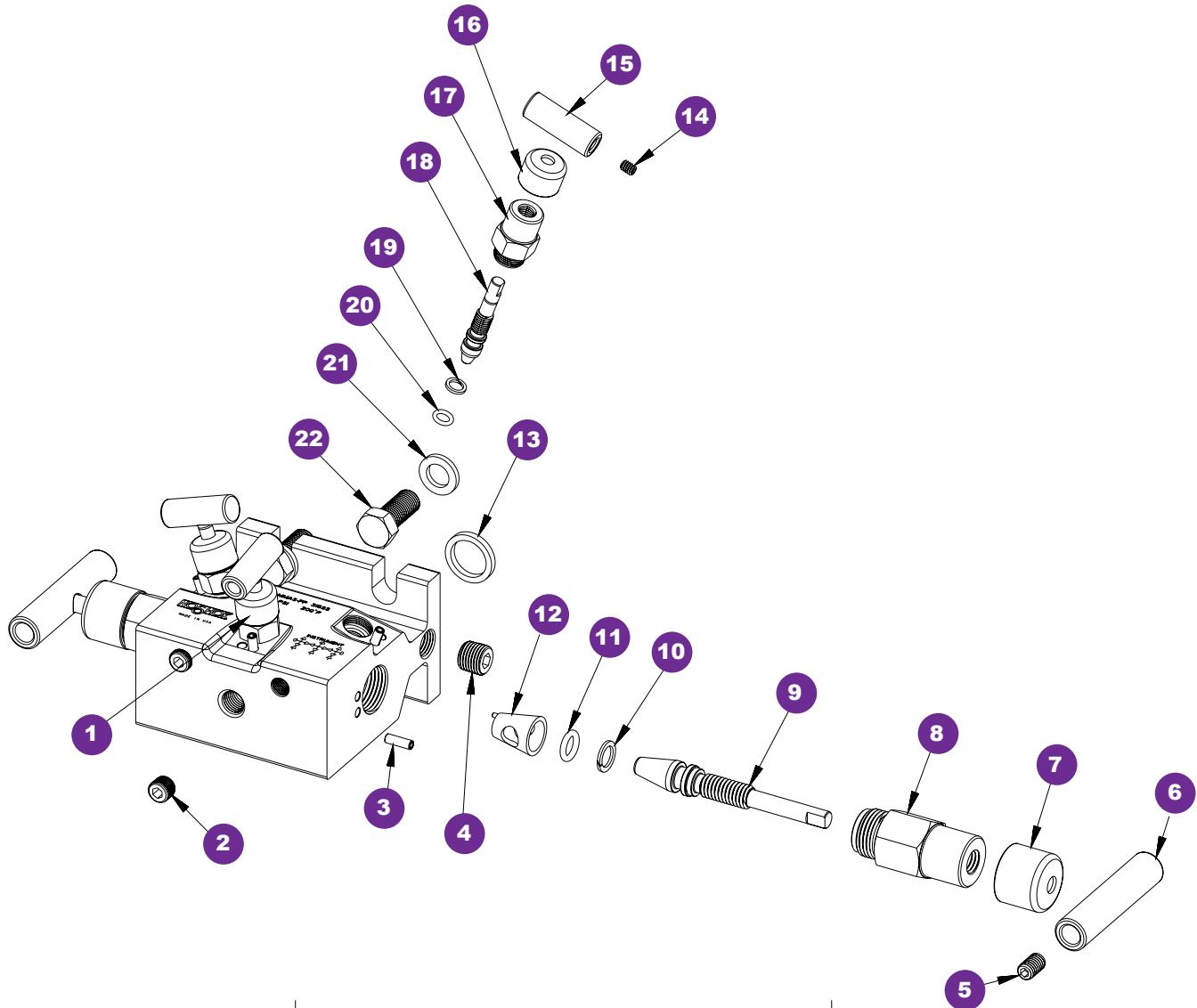


Front View



Side View

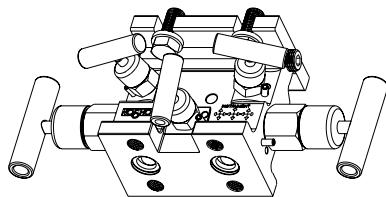




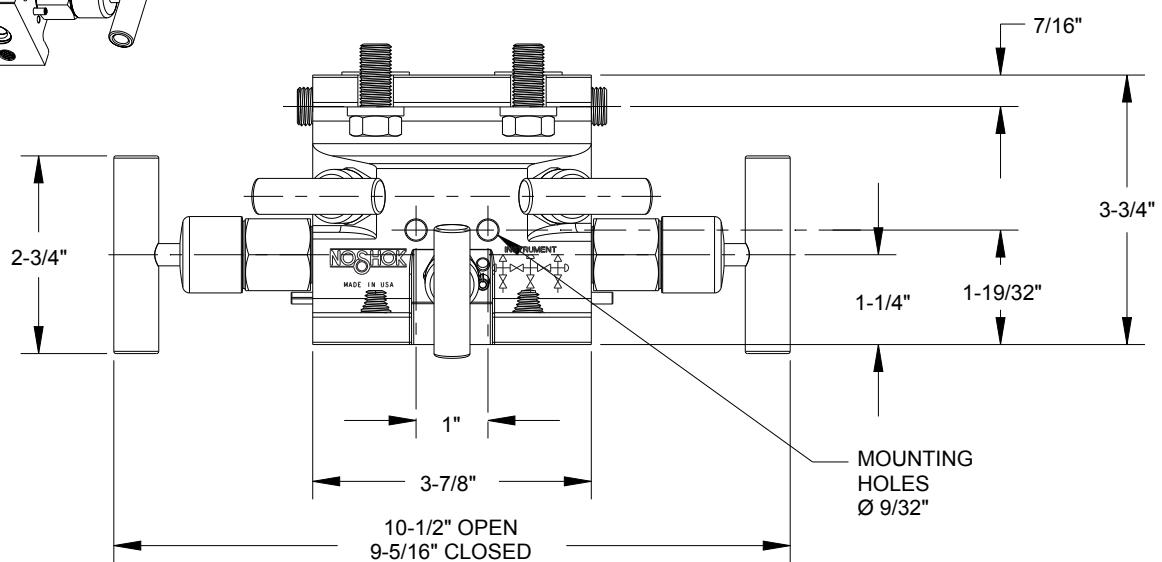
1 Red dust cap	13 Gasket ring
2 Plug	14 Set screw
3 Slotted spring pin	15 Mini valve "T" handle
4 Plug	16 Green dust cap
5 Set screw	17 Mini valve bonnet
6 Valve "T" handle	18 Soft tip stem
7 Blue dust cap	19 PTFE back-up ring
8 Valve bonnet	20 FKM o-ring
9 Non-rotating stem	21 Washer
10 PTFE back-up ring	22 Head bolt
11 FKM o-ring	
12 Acetal seat	

# Dimensions

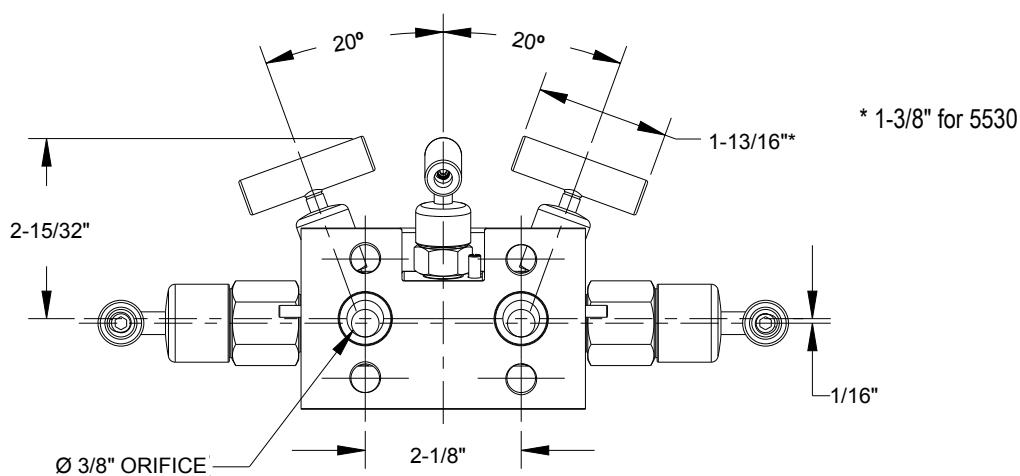
## Flare Pattern™ Flange-Flange



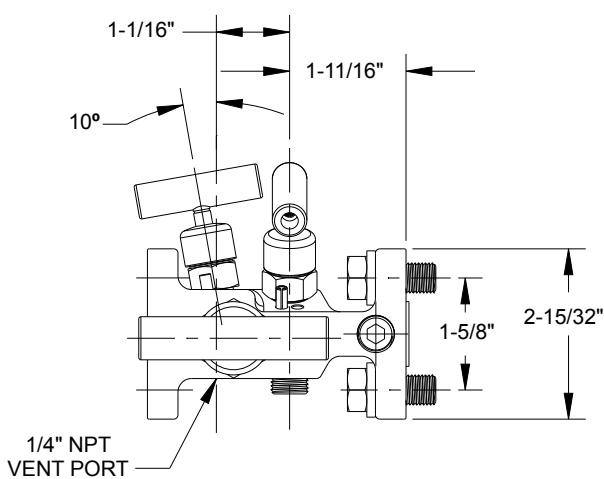
Top View



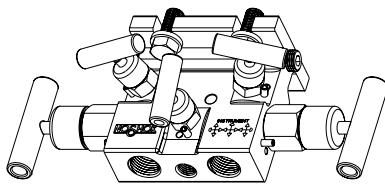
Front View



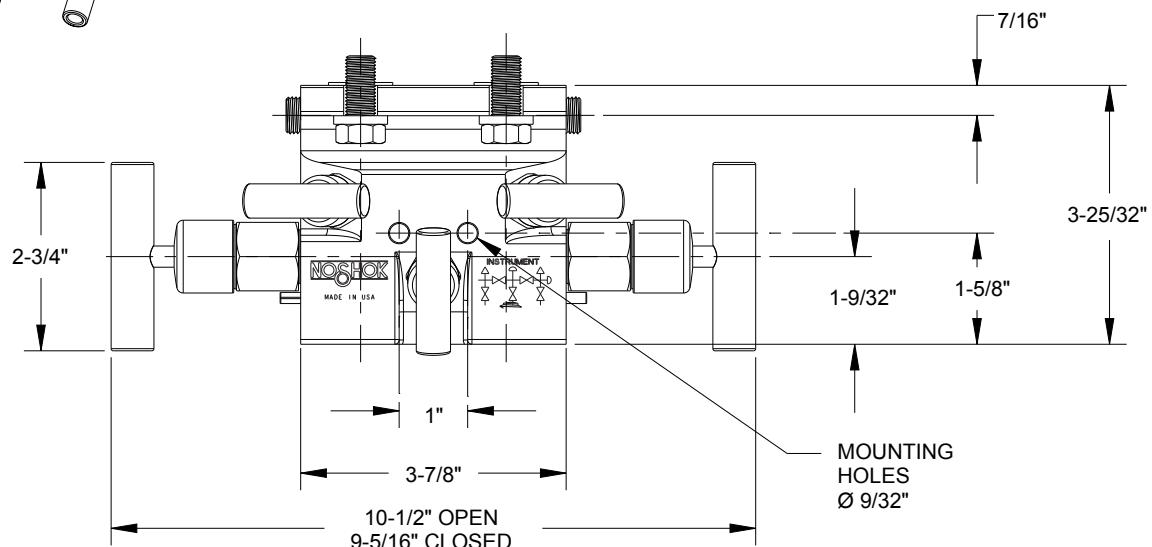
Side View



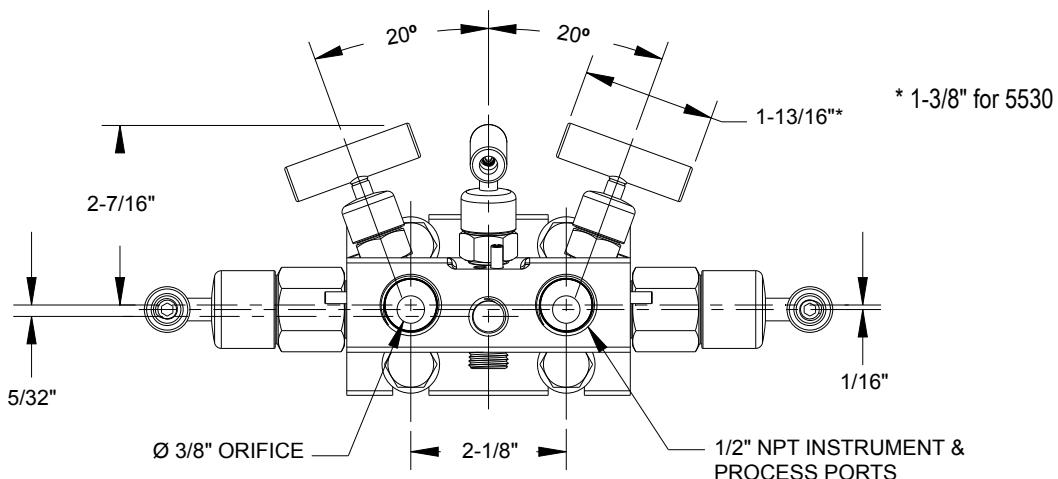
**Flare Pattern™ Flange-Female**



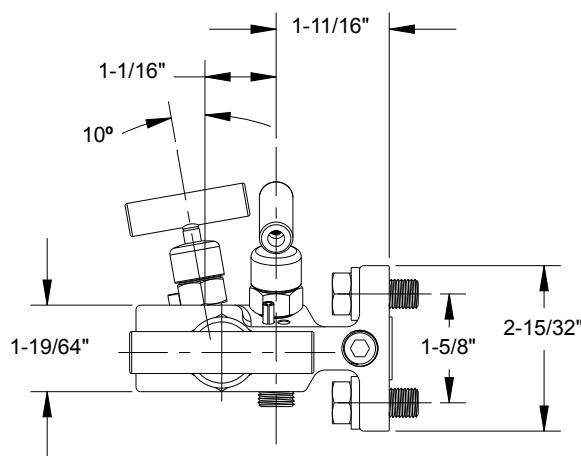
**Top View**



**Front View**

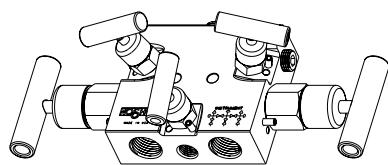


**Side View**

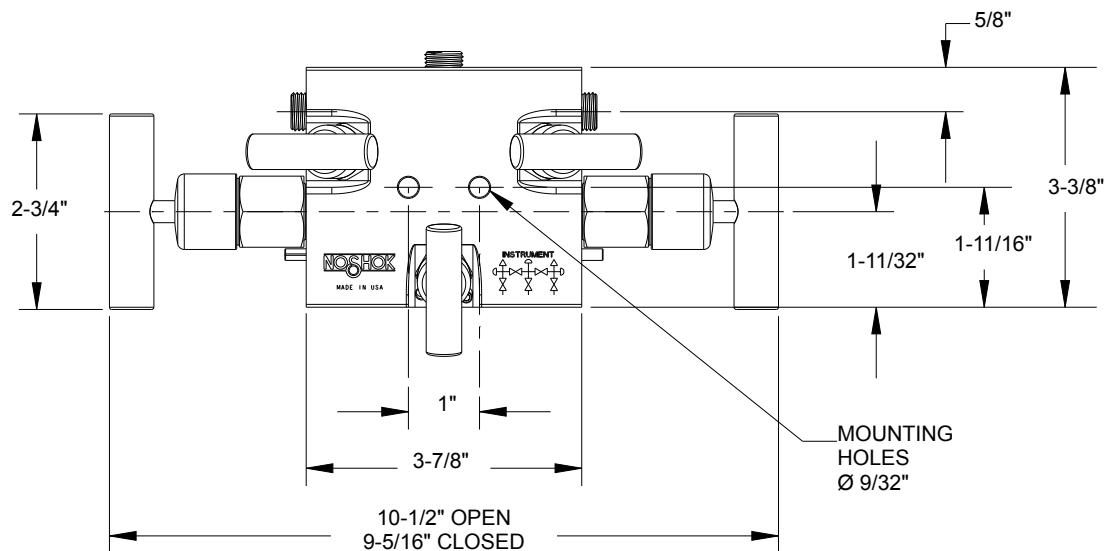


# Dimensions

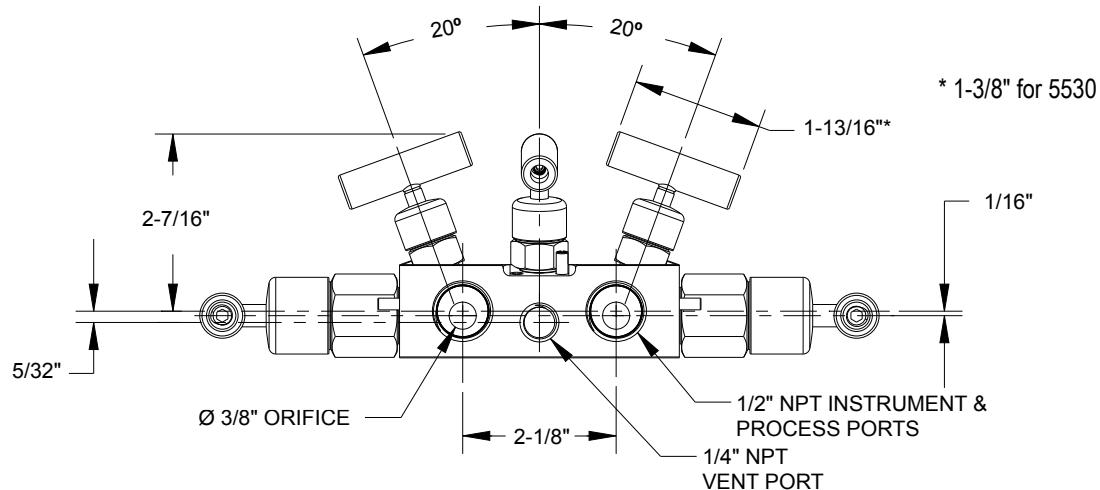
## Flare Pattern™ Female-Female



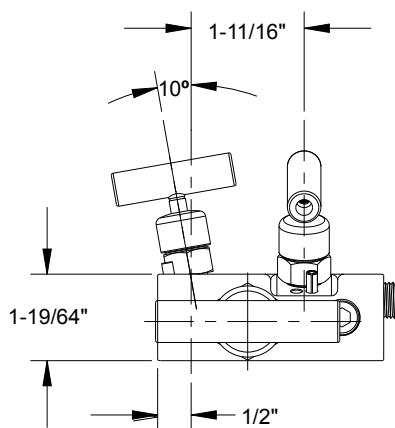
Top View

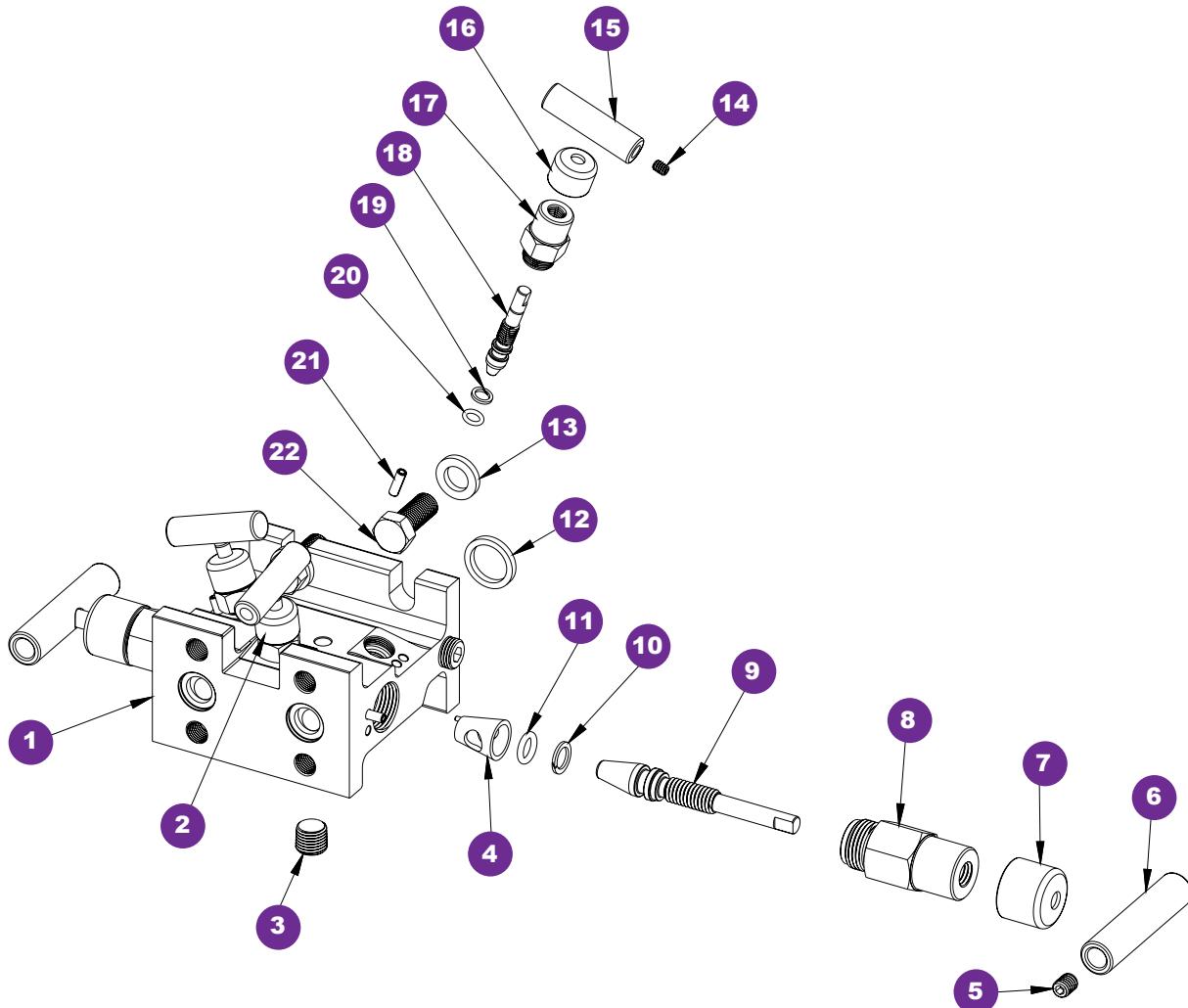


Front View



Side View





1 Flare Pattern™ valve body	12 Gasket ring
2 Red dust cap	13 Washer
3 Plug	14 Set screw
4 Acetal seat	15 Mini valve "T" handle
5 Set screw	16 Green dust cap
6 Valve "T" handle	17 Mini valve bonnet
7 Blue dust cap	18 Soft tip stem
8 Valve bonnet	19 PTFE back-up ring
9 Non-rotating stem	20 FKM o-ring
10 PTFE back-up ring	21 Slotted spring pin
11 FKM o-ring	22 Head bolt