

PRECISION Instrument Manifolds

TRANSMITTER
MANIFOLDS

Transmitter Manifolds NPT Inlet by Flange to Transmitter

2 Valve transmitter manifolds are ideal for Pressure Transmitter applications, with an isolation valve and a downstream vent outlet controlled by the vent valve head. They allow process media to be vented away to a recovery system and in-situ calibration of pressure transmitters. The transmitter mounting is $\frac{1}{2}$ of the typical differential pressure transmitter mounting, with 2 bolt holes rather than 4 to save space and weight.

Typical Transmitter manifolds:

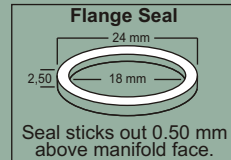


P3/S
shown with bleed plugs

P2/F

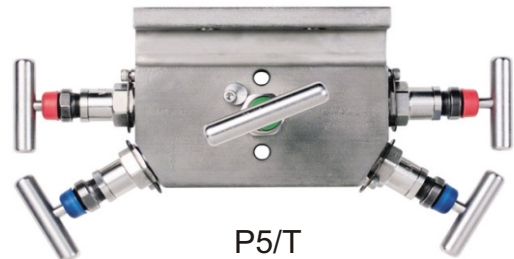
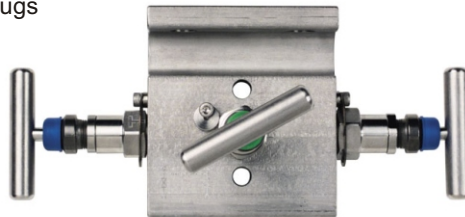


P2/HK



PRECISION Manifolds feature industry standard size Teflon or Graphoil O-rings. O-ring pocket is precisely machined so that O-ring will NOT fall out in normal handling.

P3/T



P5/T



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Transmitter Manifold Selection Chart

P 3 / T T H X X - Options

P for PRECISION or S for Square stock body
 Manifold Type
 2 = 2 Valve Manifold
 3 = 3 Valve Manifold
 5 = 5 Valve Manifold

Code Break

Manifold Type
 T = T Bar NPT inlet by Xmitter Flange
 H = H Bar, Flanged inlet/outlet, inlet/process connection is 1/2" FNPT
 HK = H Bar, Flanged inlet/outlet, kidney inlet
 F = Flat Pack NPT inlet by Xmitter Flange
 FM = Flatpack NPT inlet by Coplanar Flange
 S = Flat Pack NPT inlet by Xmitter Flange only flatpack w/-Q available as option
 N = 3 or 5 valve (only) Flatpack Bottom NPT inlet by xmitter flange

Seal/Packing Material
 T = TFE
 G = Graphite

Materials of Construction
 H = 316SS
 L = 316L SS for NACE
 J = Monel 400
 Z = Inconel 718
 K = Carbon Steel
 C = H-C 276

Handle Options
 X = All are T bars
 A = Equalize is Tamper Resistant
 V = Vent is Tamper Resistant
 U = Equalize & Vent are Tamper Resistant
 B = All are Tamper Resistant

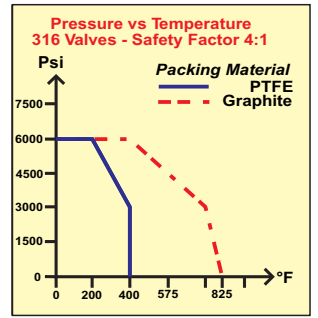
Transmitter Connection Options
 X = Flanged outlet 41.3 x 54.0 mm
 M = Flanged outlet coplanar

Options - Must be placed at end of part number
 F = Front mounting holes (M8 x 14) (see note 1)
 R = Bottom mounting holes (M8 x 14) (see note 1)
 D = Plated Transmitter Bolts
 Z = Graded Transmitter Bolts
 P = Plugs in bleed or vent ports (blank plugs) (see note 2)
 Q = Bleed Plugs in bleed or vent ports (see note 2)
 O = Mounting to order
 -J = Monel 400 trim (may be long lead)
 OX = Oxygen Clean

Example - P3/FTHXX-D-F-B-OX (Codes in the first half of P/N ARE position sensitive)
 P3/F Precision 3 way Flat Pack, Large body, 1/2" FNPT Process
 O'-Ring Transmitter Connection
 T Teflon seals throughout (200 Deg. F)
 H 316 SS, includes trim
 X The handles are all 'T' bars
 X Flanged outlet (41.3 x 54 mm spacing, industry standard)

Options
 D Plated Transmitter mounting bolts
 F Mounting holes on front
 B 1/4" Bleed Ports
 OX O2 Clean

Notes:
 1. -F front mounting available on models T, HK, F, FM, N & S. -R bottom mounting available on models F, FM, N & S.
 2. -P & -Q are available on 2 & 3 valve models T, HK & S. P is a blind plug, Q is a bleed plug.



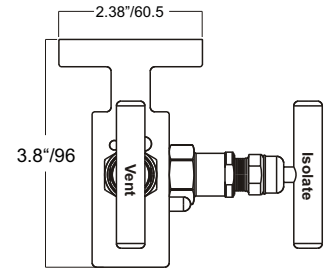
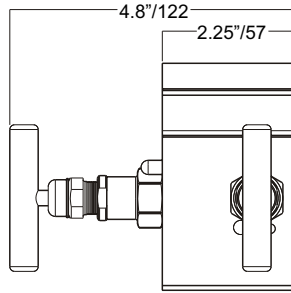
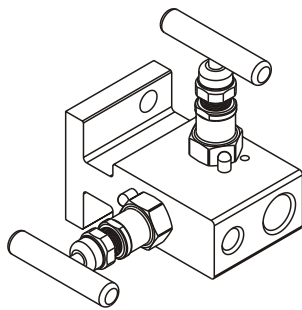
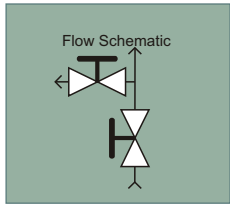
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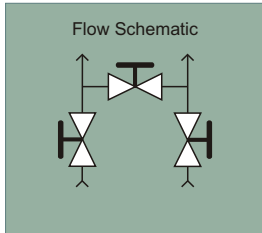
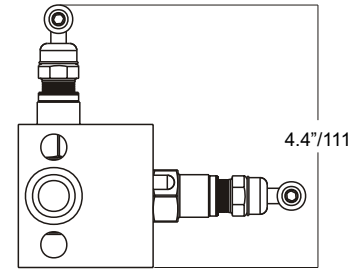
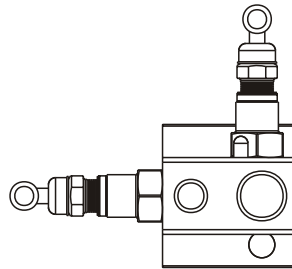
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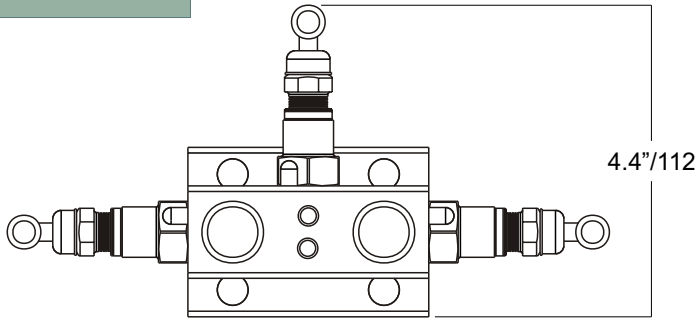
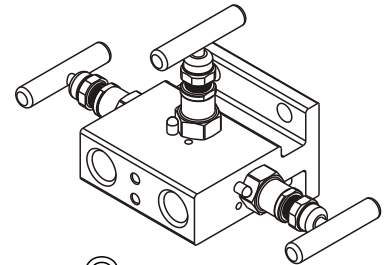
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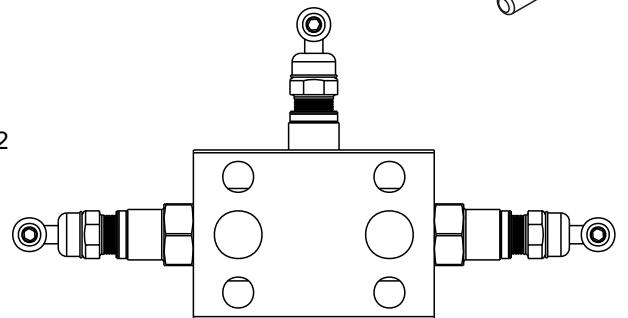
P2/T Direct Mount 2 way Manifold



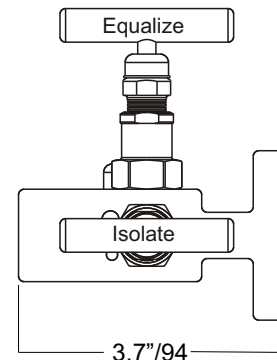
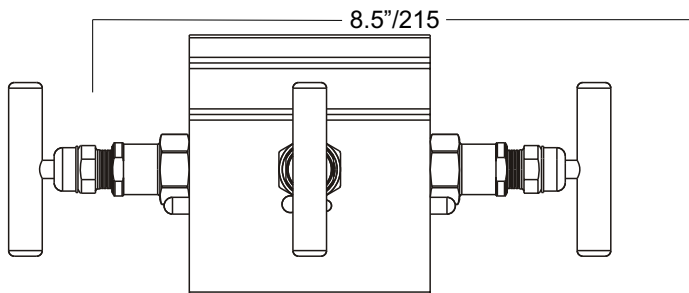
P3/T Direct Mount 3 way Manifold



Inlet - Screwed 1/2" NPT
Distance between centres : 54 mm
2" Pipe Bracket Mounting Holes M8 x 14 mm Apart



Outlet - 'O' Rings
Distance between centres : 54 x 41.3 mm



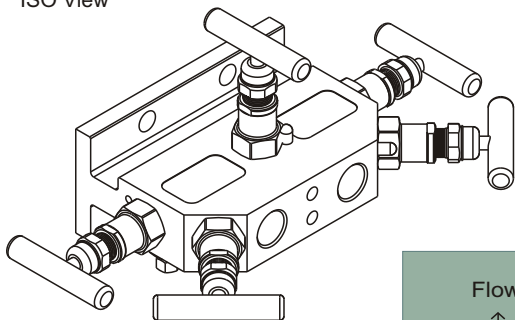
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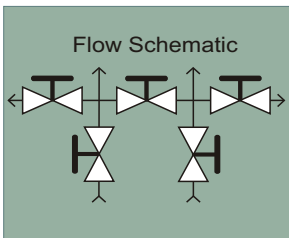
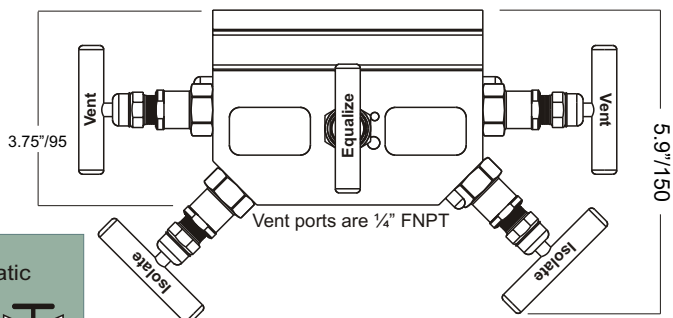
Transmitter Manifolds NPT Inlet by Flange to Transmitter

P5/T Direct Mount 5 way Manifold

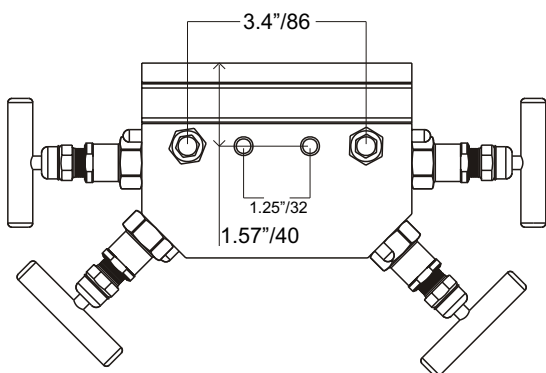
ISO View



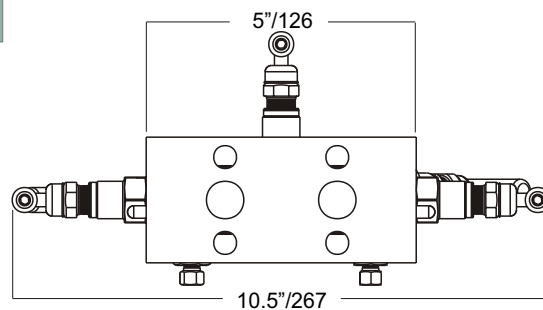
Top View



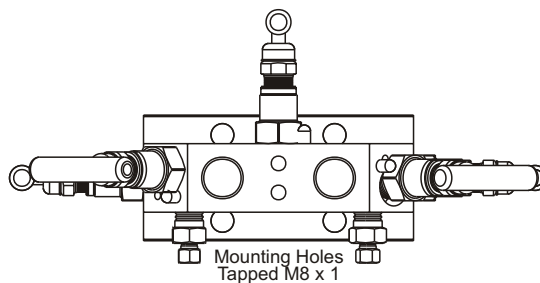
Bottom View



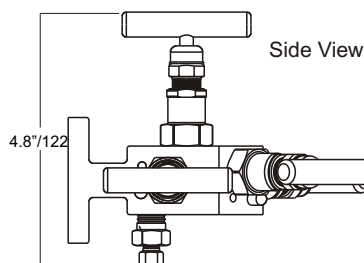
Transmitter Mounting View



NPT Mounting View



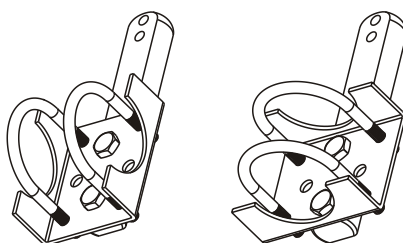
Inlets are 54 mm apart 1/2" FNPT standard, G1/2 is available on order.
Distance between centers : 41.3 x 54 mm.
Bleed Plugs are optional extras.



Side View

Pipe-mount Options

Illustration of standard mounting bracket **PA/CMBH** attaches to front of manifold with two M8 x 1 taps/fasteners
See Page 35 for details.



Valve Head Color Coding
Blue = Isolate
Green = Equalize
Red = Vent

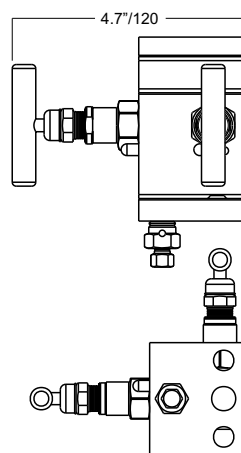
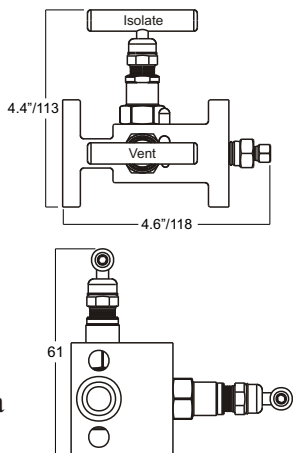
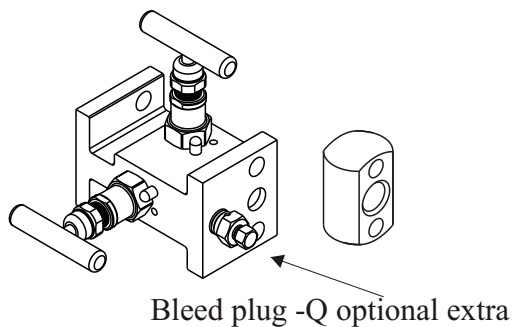
TRANSMITTER MANIFOLDS

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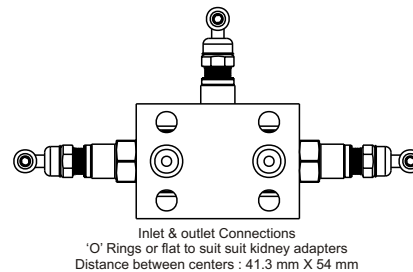
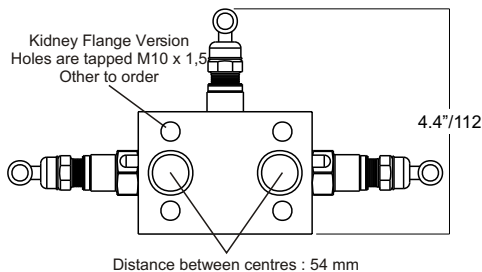
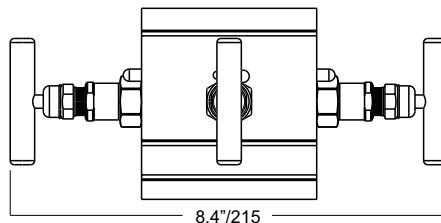
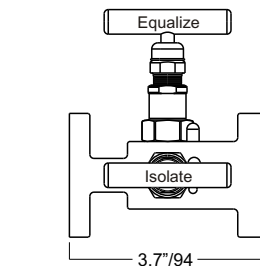
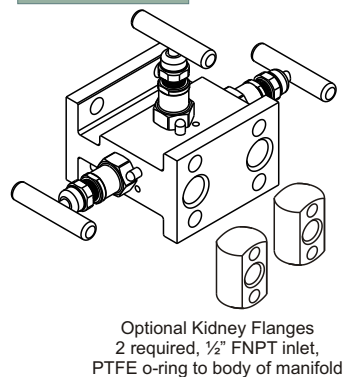
Transmitter Manifolds Flange Inlet by Flange to Transmitter

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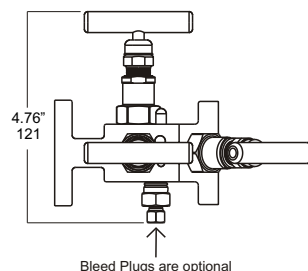
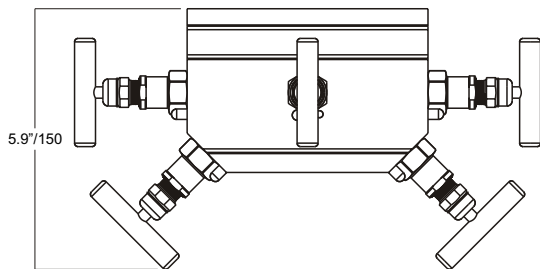
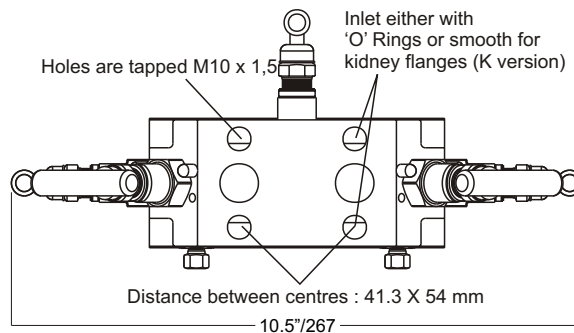
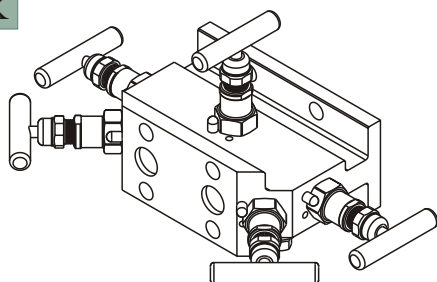
P2/H & HK



P3/H & HK



P5/H & HK

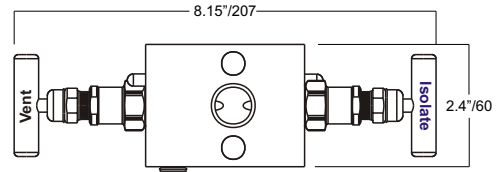
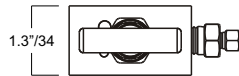
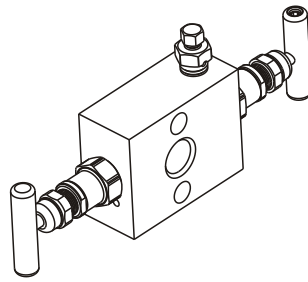


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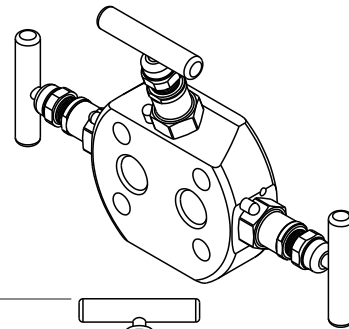
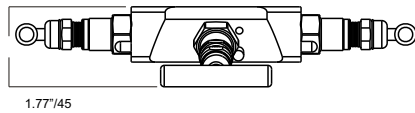
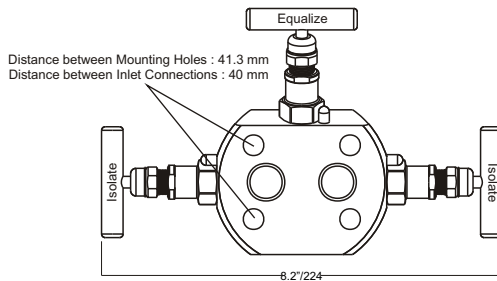
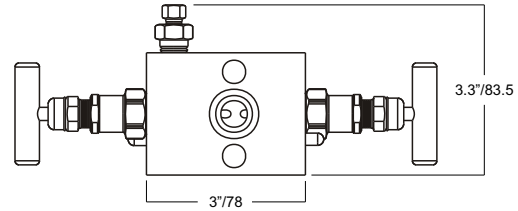
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Flatpack Transmitter Manifolds NPT Inlet by Flange to Transmitter

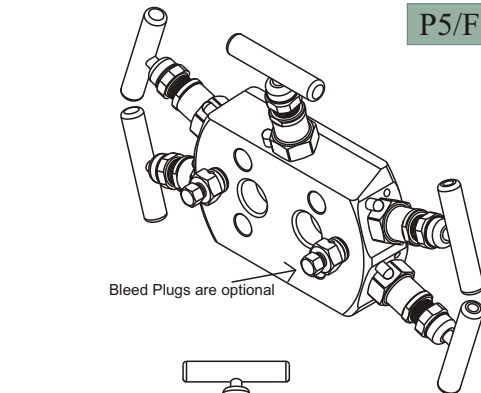
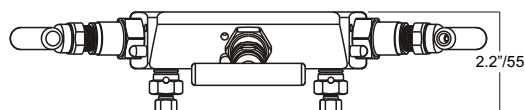
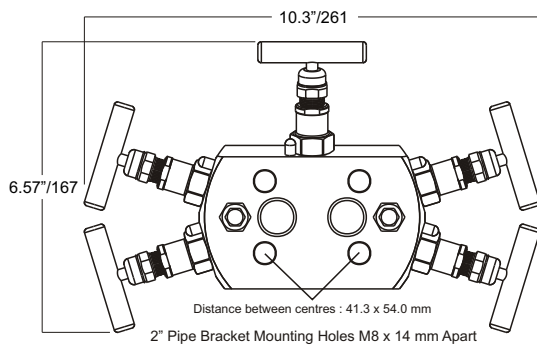
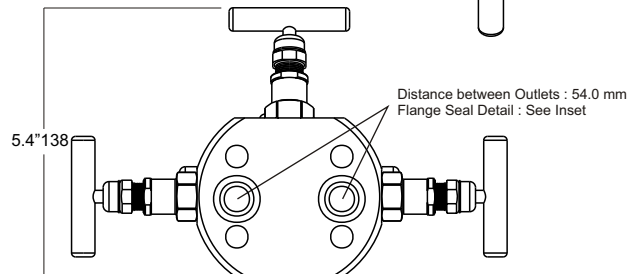
Valve Head
Color Coding
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 Red = Vent



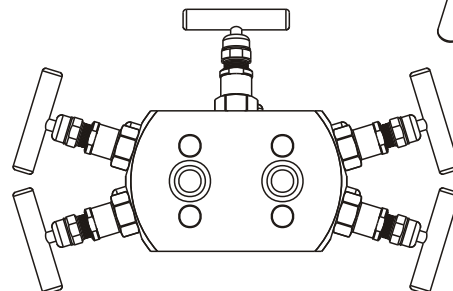
S2/F



P3/F



P5/F & FM



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