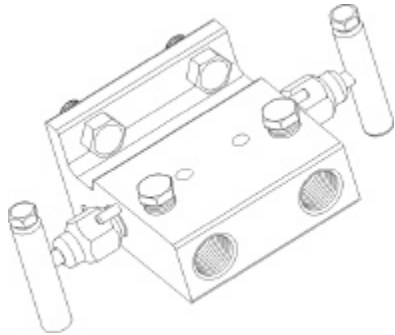


# Liquid Level Manifolds

.187" ORIFICE

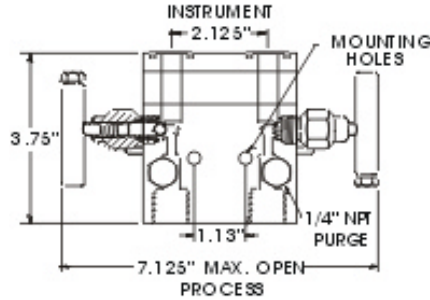
## Description

1/2" FNPT x Flange

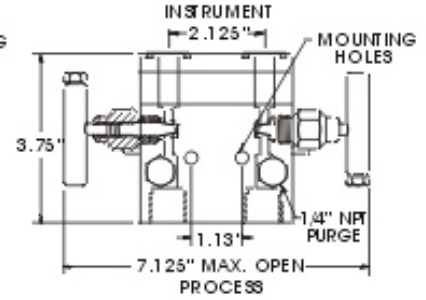


## Body Style

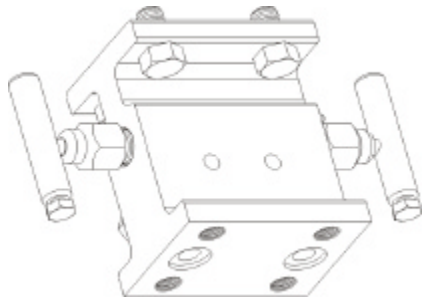
M-658 Hard Seat



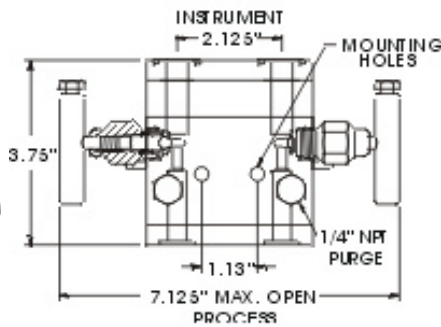
M-657 Soft Seat



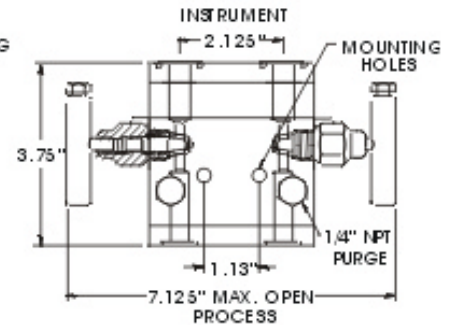
1/2" Flange x Flange



M-758 Hard Seat



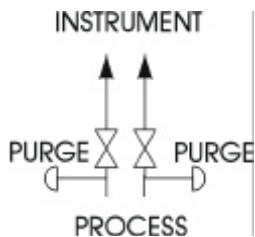
M-757 Soft Seat



## MATERIALS OF CONSTRUCTION

SEAT	MAX Cv RATINGS
Hard Ball	.53
Soft Cone	.83
Approx. Manifold Weight:	5.1 lbs each [M-657 / 658] 5.6 lbs each [M-757 / 758]

PART DESCRIPTION	CARBON STEEL	A105 CARBON STEEL	316 SS	MONEL®	HASTELLOY-C®
Body	ASTM A108-1215	ASTM A105-CF	ASTM A479-316	ASTM B164-N04400	ASTM A494 CW-12MW
Bonnet	ASTM A108-1215	ASTM A479-316	ASTM A479-316	ASTM B164-N04405	ASTM B574-N10276
Stem	ASTM A582-303	ASTM A479-316	ASTM A479-316	ASTM B164-N04405	ASTM B574-N10276
Seal Retainer	ASTM A479-316	ASTM A479-316	ASTM A479-316	ASTM B164-N04405	ASTM B574-N10276
Handle Assembly	ASTM A108	ASTM A108	ASTM A582 (18-8)	ASTM A582 (18-8)	ASTM A582 (18-8)
Plug(s)	ASTM A108	ASTM F593 (18-8)	ASTM A182-F (18-8)	ASTM B164-N04405	ASTM B574-N10276
Mounting Bolts	ASTM A449-TYPE 1	ASTM A449-TYPE 1	ASTM A449-TYPE 1	ASTM F593 (18-8)	ASTM F593 (18-8)



- Carbon Steel Manifolds are Zinc Cobalt Plated with Dichromate Dip
- 316 SS Manifolds Meet NACE MR0175 Requirements (Latest Revision)
- 100% Pressure Tested
- Carbon Steel Weld End Connection Bodies are AISI 1018

## ORDERING INFORMATION

BODY STYLE	BODY CODE	SEAT CODE	STEM SEAL CODE	OPTION CODES
<b>Hard Seat</b>				
M - 6 5 8				
M - 7 5 8			-	
<b>Soft Seat</b>				
M - 6 5 7				
M - 7 5 7			-	

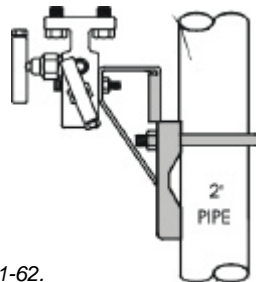
BODY CODE	
[Std.] Carbon Steel	<b>C</b>
A105 Carbon Steel	<b>P</b>
[Std.] 316 SS	<b>S</b>
Monel <sup>®</sup>	<b>M</b>
Hastelloy-C <sup>®</sup>	<b>H</b>

HARD SEAT CODE		SOFT SEAT CODE	
[Std.] Carbide Ball	<b>C</b>	<b>D</b>	Delrin <sup>®</sup> Cone [Std.]
Ceramic Ball	<b>R</b>	<b>K</b>	Kel-F <sup>®</sup> Cone
316 SS Ball	<b>6</b>	<b>P</b>	PEEK <sup>®</sup> Cone
Hastelloy-C <sup>®</sup>	<b>H</b>	<b>T</b>	Teflon <sup>®</sup> Cone
K-Monel <sup>®</sup> Ball	<b>N</b>	<b>Z</b>	Tefzel Cone

STEM SEAL CODE	
[Std.] Teflon <sup>®</sup> Pressure-Core™	<b>T</b>
Grafoil <sup>®</sup> Packed	<b>G</b>
Viton <sup>®</sup> O-Ring	<b>V</b>
Low-Temp Pressure-Core™	<b>J</b>
Teflon <sup>®</sup> Packed [Hard Seat Only]	<b>P</b>

## OPTIONS

- Versa-Mount Brackets
- Bonnet Handle Lock-Out
- Bonnet Lock Plates
- Steam Trace Block
- Integral Tube Fitting Connections



See Options/Accessories Pages 61-62.

OPTION CODE	OPTION DESCRIPTION
AP7	½" Female Pipe Socket Weld (Process Ports)
AU7	½" Integral Tube Fitting - Parker <sup>®</sup> A-LOK Dual Ferrules (Process Ports)
AV7	½" Integral Tube Fitting - Swagelok <sup>®</sup> Dual Ferrules (Process Ports)
GA	Anti-Tamper Bonnet
GK	Bonnet Lock-Out (Lock Not Provided)
MH	Viton <sup>®</sup> O-Ring Flange Seals
TC	Steam Trace Block - Carbon Steel
TH	Hydrostatic Testing
TS	Steam Trace Block - 316 SS
VC	CS Versa-Mount Bracket
VS	316 SS Versa-Mount Bracket
VCH	CS Heavy-Duty Versa-Mount Bracket
VSH	316 SS Heavy-Duty Versa-Mount Bracket
W	Safety Bonnet Lock Plate
WA	CS
WAW3	300 SS
WAW9	316 SS
WAW3	2-¼" Bolts for Rosemount <sup>®</sup> 3051C, 3095, or 2024 with Coplanar™
WK	Paper Tag
W1	316 SS Tag (20 Characters - See page 61)
W3	300 SS Standard Length Flange Bolts (CS Standard)
W9	316 SS Standard Length Flange Bolts (CS Standard)
XL	Clean for Critical Service (Oxygen or Chlorine)

## PRESSURE & TEMPERATURE

BODY MATERIAL	HARD SEAT	
	Teflon Pressure-Core	Grafoil
<i>Carbon Steel</i> Code C	10,000 PSI @ 200° F 8,000 PSI @ 450° F	Not Available.
<i>A105 Carbon Steel</i> Code P	10,000 PSI @ 200° F 8,000 PSI @ 450° F	6,000 PSI @ 200° F 1,500 PSI @ 800° F
<i>316 SS</i> Code S	10,000 PSI @ 200° F 8,000 PSI @ 450° F	6,000 PSI @ 200° F 1,500 PSI @ 1,000° F
See Page 5:	Chart D	Chart F
BODY MATERIAL	SOFT SEAT (Delrin)	
	Teflon Pressure-Core	Teflon Pressure-Core
<i>Carbon Steel</i> Code C	6,000 PSI @ 200° F Max.	10,000 PSI @ 200° F 3,000 PSI @ 400° F
<i>316 SS</i> Code S	6,000 PSI @ 200° F Max.	10,000 PSI @ 200° F 3,000 PSI @ 400° F
See Page 5:	Chart B	Chart B