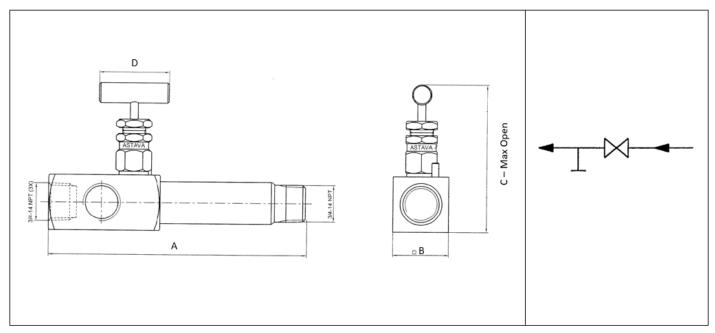


# 108 Series, Extended Multiport Gauge Valve, Single Block, Male x Female



Conformance Standards
NACE MR0175 / ISO 15156, NACE MR0103 / ISO 17495
CRN (Canadian Registration Number) Approved/Registered
ASTM B31.3 Process Piping, ASTM B16.34 Valves - Flanged, Threaded, and Welded End
MSS-SP-99 (ANSI)

End Connections					
	Process Inlet Connection	Instrument Connection (3X)	Vent / Test		
Standard	Male 1/2 NPT	Female 1/2 NPT	N/A		
Optional	Male 1/4, 3/8, 3/4 NPT Male BSPP "G" Thread BW SW Custom	Female 1/4, 3/8, 3/4 NPT Female BSPP "G" Thread BW SW Custom	N/A		

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Orifice				
Standard	5MM (0.197 in.)			
Optional	Custom			

Mounting				
Standard	No			
Optional	Available upon request Note that body dimensions may change as a result			

Materials of Construction					
Body / Bonnet	Stem Standard Stem Tip Optional Ste		Optional Stem Tip		
316 / 316L	Kolsterised® 316 Ti	Non-Rotating Ball, Ceramic Al <sub>2</sub> O <sub>3</sub>	Non-Rotating V-Tip, K-500		
Monel® 400	Monel® K-500	Non-Rotating Ball, Ceramic Al <sub>2</sub> O <sub>3</sub>	Non-Rotating V-Tip, K-500		
Hastelloy® C-276	Hastelloy® C-276 Non-Rotating Ball, Ceramic Al <sub>2</sub> O <sub>3</sub> Non-Rotating Non		Non-Rotating V-Tip, C-276		
Duplex® F-51	Duplex® F-51	Non-Rotating Ball, Ceramic Al <sub>2</sub> O <sub>3</sub>	Non-Rotating V-Tip, F-51		
Super Duplex® F-53	Super Duplex® F-53	Non-Rotating Ball, Ceramic Al <sub>2</sub> O <sub>3</sub>	Non-Rotating V-Tip, F-53		



Bonnet Styles / Packing Materials <sup>1</sup>						
Bonnet Style	Stem Packing	Pressure / 100°F (38°C)	Pressure / Min Temp	Pressure / Max Temp		
	PTFE (Packing)	6 kpsi (413 bar)	6 kpsi (413 bar)/-76°F (-60°C)	3 kpsi (200 bar)/446°F 230°C		
	Viton® FKM (O- Ring)	6 kpsi (413 bar)	6 kpsi (413 bar)/-4°F (-20°C)	3 kpsi (200 bar) 392°F/ 200°C		
Standard	Grafoil (Packing)	6 kpsi (413 bar)	6 kpsi (413 bar)/-76°F (-60°C)	3 kpsi (200 bar)/752°F 400°C		
	Custom	-	-	-		
10,000 PSI	PTFE (Packing)	10 kpsi (690 bar)	10 kpsi (413 bar)/-76°F (-60°C)	3 kpsi (200 bar)/446°F 230°C		
	Viton® FKM (O- Ring)	10 kpsi (690 bar)	10 kpsi (413 bar)/-4°F (-20°C)	3 kpsi (200 bar) 392°F/ 200°C		
	Grafoil (Packing)	10 kpsi (690 bar)	10 kpsi (413 bar)/-76°F (-60°C)	3 kpsi (200 bar) / 400°C		
	Custom	-	-	-		
	PTFE (Packing)	6 kpsi (413 bar)	6 kpsi (413 bar)/-76°F (-60°C)	3 kpsi (200 bar)/446°F 230°C		
Fugitive Emissions Shell FET 77/312 ISO 15848-2 TA Luft	Viton® FKM (O- Ring)	6 kpsi (413 bar)	6 kpsi (413 bar)/-4°F (-20°C)	3 kpsi (200 bar) 392°F/ 200°C		
	Custom	-	-	-		
Fire Safe API 607/BS 6755 Part 2	Supergraf Premier®	6 kpsi (413 bar)/-76°F (- 60°C)	6 kpsi (413 bar)/-76°F (-60°C)	3,000 psi (200 bar) /842°F 450°C		



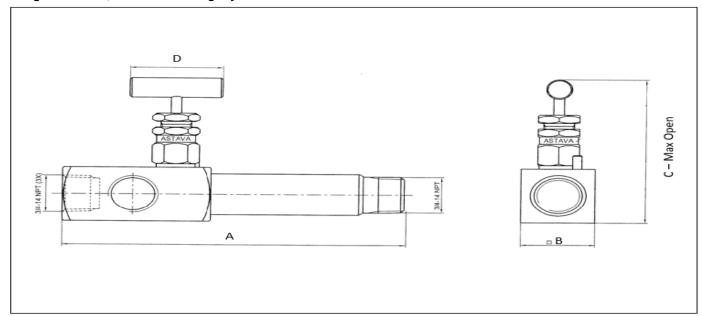
#### Footnotes

1. Packing material ratings based on manufacturer's specifications



### **Dimensional Measurements**

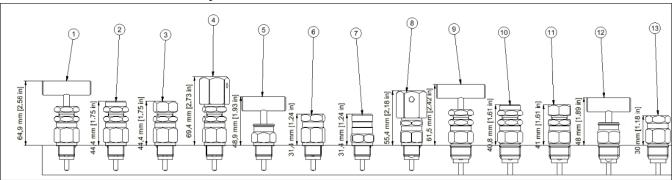
#### Drawing: 108 Series, Standard Packing Style Bonnet



End Connection Size Pressure Rat	Danasan Bartan	А		В		С		D	
	Pressure Rating	mm	in	mm	in	mm	in	mm	in
1/4", 1/2", 3/8"	413 bar / 6 kpsi	184	7.24	32	1.26	97	3.82	50	1.97
3/4" x 1/2"	413 bar / 6 kpsi	*		*		*		*	
3/4"	413 bar / 6 kpsi	185	7.28	40	1.57	105	4.13	50	1.97
1/4", 1/2", 3/8"	690 bar / 10 kpsi	*		*		*		*	

<sup>\*</sup>Drawing Upon Request

### Refer to Bonnet Style Dimensional Reference List for Detailed Measurements



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# **Bonnet Style Dimensional Reference List**

Key	Bonnet Style	Max Height from Body
1	Standard Packing Bonnet	2.56 in (64.9 mm)
2	Standard Packing Bonnet, Anti-Tamper Vent	1.75 in (44.4 mm)
3	Standard Packing Bonnet, Anti-Tamper Equalize	1.75 in (44.4 mm)
4	Standard Packing Bonnet, Anti-Tamper, Locking Device	2.73 in (69.4 mm)
5	Standard O-Ring Bonnet	1.93 in (48.9 mm)
6	Standard O-Ring Bonnet, Anti-Tamper Vent	1.24 in (31.4 mm)
7	Standard O-Ring Bonnet, Anti-Tamper Equalize	1.24 in (31.4 mm)
8	Standard O-Ring Bonnet, Anti-Tamper, Locking Device	1.28 in (55.4 mm)
9	Fugitive Emissions Bonnet, Packing Style	2.42 in (61.5 mm)
10	Fugitive Emission Bonnet, Packing Style, Anti-Tamper Vent	1.61 in (40.8 mm)
11	Fugitive Emissions Bonnet, Packing Style, Anti-Tamper Equalize	1.61 in (40.8 mm)
12	Fugitive Emissions Bonnet, O-Ring Style	1.89 in (48.0 mm)
13	Fugitive Emissions Bonnet, O-Ring Style, Anti-Tamper Vent, Equalize	1.18 in (30.0 mm)

