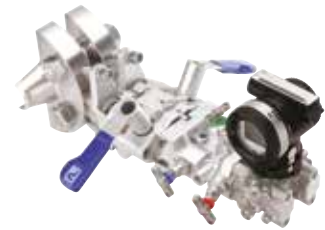


INSTRUMENTATION VALVES

MANIFOLD VALVES

CCIMS®

- Close coupled solution for flow measurement applications
- Reductions in installation time of up to 75%
- Reductions in connections and leak paths of up to 85%
- Features phastfit® for rapid transmitter removal and connection



MONOFLANGE

- Compact double block and bleed valves, featuring needle valves
- Reducing installations cost while improving safety through a reduction in leak paths
- Configurable options include single block, double block and double block and bleed
- Available in a range of materials including carbon steel, Stainless steel, duplex, alloy 625



PRO-BLOC®

- Compact double block and bleed valves, featuring needle or ball valve options
- Reducing installations cost while improving safety through a reduction in leak paths
- Configurable options include single block, double block and double block and bleed
- Available in a range of materials including carbon steel, Stainless steel, duplex, alloy 625



MONOFLANGE (FE) & PRO-BLOC® (FE)

- ISO 15848 approved
- All ball valves are bi-directional
- Highest possible 'A' class leakage
- Firesafe design available rates achieved
- All threads sealed from the media



H-SERIES

- A comprehensive range of 2, 3 and 5 valve manifolds for pressure and flow measurement applications
- Available with integral PTFree® connections, reducing leakpaths and installation cost
- Available in Stainless steel and many exotic alloys, including Hastelloy®, 6Mo, Monel®, and Alloy 625
- Direct or remote mounting options



HBM SERIES

- A complete range of ball valves 10mm ball and needle valve manifolds
- Including block and bleed, and double block and bleed manifold options
- Working pressures up to 10,000 psi (690 bar)
- Available with integral A-LOK® or CPITM connections, reducing leak paths and installation costs



Please Note: Dimensions for reference only, subject to change.

INSTRUMENTATION VALVES

MANIFOLD VALVES

Valve groups		Manifolds					
Model series		MF	PB	H2	H3	H5	HBM
Product Description		Double block and bleed	Double block and bleed	2 Valve manifolds - needle style	3 Valve manifolds - needle style	5 Valve manifolds - needle style	2 and 3 Valve manifolds - ball style
Maximum operating pressure		ANSI 2,500 psi API 10,000 psi	ANSI 2,500 psi API 10,000 psi	10,000 psi 689 bar	10,000 psi 689 bar	10,000 psi 689 bar	10,000 psi 689 bar
Temp	Min	-65 F -54 C	-65 F -54 C	-65 F -54 C	-65 F -54 C	-65 F -54 C	-65 F -54 C
	Max	1000 F 538 C	450 F 232 C	1000 F 538 C	1000 F 538 C	1000 F 538 C	450 F 232 C
Body material	Carbon Steel	X	X				
	Stainless steel	X	X	X	X	X	X
	Alloy	X	X	X	X	X	X
Packing	GRAFOIL®	X	X	X	X	X	X
	PTFE	X	X	X	X	X	X
Seat / Tip	316 SS	X		X	X	X	
	PEEK™	X	X	X	X	X	X
	PCTFE	X		X	X	X	
	PTFE		X				X
End connection size range	Min	1/4 in 6 mm	1/4 in 6 mm	1/4 in 6 mm	1/4 in 6 mm	1/4 in 6 mm	1/4 in 6 mm
	Max	1/2 in 12 mm	1 in 25mm	1/2 in 12 mm	1/2 in 12 mm	1/2 in 12 mm	1/2 in 12 mm



Please Note: Dimensions for reference only, subject to change.