

INSTRUMENTATION VALVES

BALL & PLUG VALVES

MB SERIES

- One piece compact barstock design
- Centre off position for 3-way
- 2-way, inline, angle; 3-way, 4-way and 5-way
- Standard drop-in replacement



B SERIES

- 2-way, 3-way diverting or spring loaded 3-way selector designs
- Wide temperature application range -65°F (18°C) to +450°F (232°C)
- Rated for up to 6,000 psi (413.7 bar)
- Widest variety of seats, seals and port connections
- Connections include CPI™, A-LOK®, male and female NPT, UltraSeal™ and VacuSeal™



SWB SERIES

- Zero clearance body allows repairs in field
- Spring loaded seats and stem seals
- Fully enclosed body bolts
- ISO-type actuator mounting design
- Available up to 1" full flow design



HB SERIES

- Compact FNPT version for tight work areas
- Full operating pressure in any port
- PEEK™ trunnion bearings provide high cycle life
- 10,000 psi (689 bar) rating with PEEK™ seats
- Excellent for CNG



MPB SERIES

- 2-way and 3-way ball valve for severe service applications
- Designed for 1/4 and 1/2 turn media shut-off or switching applications



PR SERIES

- Low operating torque
- Optional locking device, downstream vent and metal tee handles
- Typically used in laboratories
- Most compact 90° actuated valve



PNEUMATIC / ELECTRIC ACTUATORS

- 60 Series pneumatic actuators provide 90° and 180° rotation in both double acting and spring return models
- 70 and 80 Series electric actuators provide 90° and 180° actuation for our B, MB, HB, SWB series ball valves



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

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HBV SERIES

- Suitable for the most demanding applications in the oil, gas and process control industries
- Integral compression ends available, eliminating taper threads and thread sealants
- Two piece barstock design reduces body leakage paths
- Complies with ANSI / ASME B16.34 requirements where applicable
- NACE MR-01-75 / ISO 15156 compliant materials available
- Fire safe option



20K HI-PRO BALL VALVE

- Designed for cold working pressure applications of up to 20,000 psi (1,379 bar)
- Two piece body design
- Bi-directional
- Low torque operation
- Tru-Loc® anti-vibration locking system on gland adjuster for 100% security



Valve groups		Ball / Plug valves							
Model series		MB	B	SWB	HB	MPB	PR	HBV	20K HPBV
Product description		Mini barstock ball valve	Ball valve	Swing out ball valve	Ball valve	Med pressure ball valve	Plug valve	Ball valve	Hi-Pro ball valve
Maximum operating pressure		3,000 psi 207 psi	6,000 psi 414 bar	2,500 psi 172 bar	10,000 psi 689 bar	20,000 psi 1379 bar	3,000 psi 207 bar	10,000 psi 689 bar	20,000 psi 1379 bar
Temperature	Min	-65 F -54 C	-65 F -54 C	-65 F -54 C	-65 F -54 C	-10 F -23 C	-10 F -23 C	-65 F -54 C	-4 F -20 C
	Max	300 F 149 C	400 F 204 C	600 F 316 C	400 F 204 C	400 F 204 C	400 F 204 C	450 F 232 C	392 F 200 C
CV	Max	11.00	6.40	35.00	1.00	8.80	3.20		1.56
Body material	Brass	X	X				X		
	Stainless steel	X	X	X	X	X	X	X	X
	Alloy		X					X	
Actuation	Manual	X	X	X	X	X		X	
	Pneumatic	X	X	X	X	X		X	
	Electric	X	X	X	X	X			
Seat / Seal material	PCTFE		X		X				
	Buna-N rubber		X	X	X	X	X		
	Ethylene Propylene rubber		X	X	X	X	X		
	Highly Fluorinated Fluorocarbon		X			X	X		
	Fluorocarbon rubber		X	X	X	X	X		
	PFA	X							
	GRAFOIL®			X				X	
	PEEK		X	X	X	X		X	X
PTFE		X	X				X		
End connection size range	Min	1/16 in 3 mm	1/16 in 3 mm	1/4 in n/a mm	1/4 in 6 mm	1/8 in n/a mm	1/8 in 3 mm	1/8 in 6 mm	1/4 in 6 mm
	Max	3/4 in 12 mm	3/4 in 12 mm	1 in n/a mm	1/2 in 12 mm	1 in n/a mm	1/2 in 12mm	1 in 25 mm	9/16 in 14 mm



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