

Ball Valves - Encapsulated



Application

Reliable encapsulated ball valve designed for critical cooling and fluid management systems in data centers. Ideal for use with ISO mount plate actuators for automated flow control.

Features

- Balanced encapsulated construction minimises cold flow
- Live-loaded stem packing
- Precision stainless steel balls reduce torque and friction losses while extending seat life
- A lockable handle can prevent accidental actuation
- Standard internal entry blow-out proof stem design
- Full-port design matches ball and seat ports to tube ID for lower pressure drop and less turbulent flow
- Compact design for areas with tight space restrictions

Materials

- PTFE seal
- CF8M 316 stainless steel
- ID polish is Ra 32 minimum
- Fully encapsulated construction produces bubble-tight seal
- Integral ISO 5211 mounting pad
- Optional seals available -25% carbon-reinforced tetrafluoroethylene, 15% glass-reinforced RTFE, 50% stainless steel-reinforced PTFE, and UHMW

Size		Part Numbers	
mm	inch	Weld End	Clamp End
12	½	BV2CV-050BB-A	BV2CV-050CC-A
20	¾	BV2CV-075BB-A	BV2CV-075CC-A
25	1	BV2CV-100BB-A	BV2CV-100CC-A
38	1½	BV2CV-150BB-A	BV2CV-150CC-A
50	2	BV2CV-200BB-A	BV2CV-200CC-A
65	2½	BV2CV-250BB-A	BV2CV-250CC-A
80	3	BV2CV-300BB-A	BV2CV-300CC-A
100	4	BV2CV-400BB-A	BV2CV-400CC-A

Product Group: VS03



Clamp End

Mini Ball Valves

Application

Compact ball valves designed for precision shut-off and flow control in data center cooling loops and auxiliary fluid systems. Ideal for installations where space is limited and uptime is critical.

Design

- Full bore
- Blow-out proof stem design with chrome ball

Material

- Body: nickel-plated brass
- Seat: PTFE seat
- Ball: chrome-plated brass

End Connection

- Screwed female and male/female BSP
- ISO228 (equivalent to DIN259 and BS2779)

Operating Temperature

- °0C - °90C

Female x Female BSP

Size		Part Numbers	Working Pressure	
mm	inch		PSI	Bar
6	¼	MBVFF006	220	15
10	⅜	MBVFF010	220	15
15	½	MBVFF012	220	15
20	¾	MBVFF020	220	15

Product Group: AR01



Male x Female BSP

Size		Part Numbers	Working Pressure	
mm	inch		PSI	Bar
6	¼	MBVMF006	220	15
10	⅜	MBVMF010	220	15
15	½	MBVMF012	220	15
20	¾	MBVMF020	220	15

Product Group: AR01

