

BVM

MOTORIZED BALL VALVE BODY

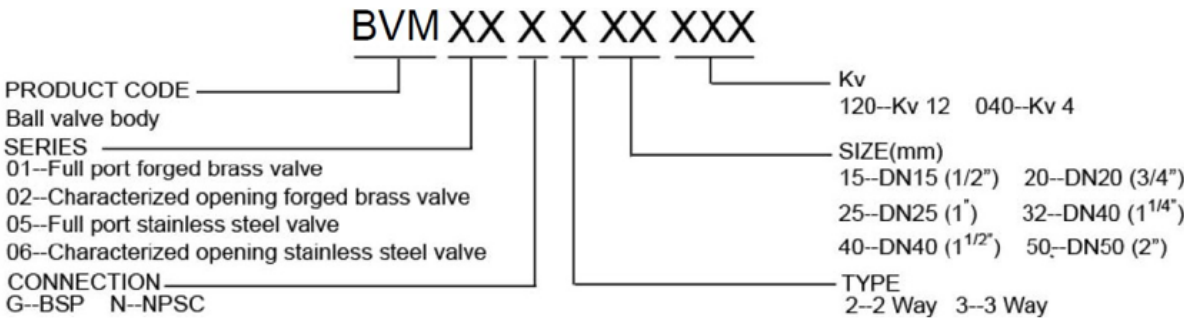
Description

BVM series ball valve bodies have four types, BVM01 and BVM05 are full port ball valve bodies, BVM02 and BVM05 are characterized ball valve body. The sizes involve DN15, DN20, DN25, DN32, DN40 and DN50. The sealing material of valve seat is made of PTFE, which ensures of high close-off pressure of valve body and excellent sealing feature. The valve bodies are matched with BAM03 and BAM04 series actuators accordingly.



ACTUATOR APPLICATION	VALVE SIZE	ACTUATOR CONNECTION
BAM03	DN15, DN 20, DN 25	Bolt
BAM04	DN32, DN 40, DN 50	Bolt

Model Selection



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MATE

Technical Data

MODEL		TYPE	Kv	Cv	THREAD	CLOSE OFF PRES. (MPa)	RATED BODY PRES. (MPa)
BVM01G215120	BVM05G215120	2-way	12	14	G1/2	0.6	2.5
BVM02G215040	BVM06G215040		4	4.7			
BVM01G220150	BVM05G220150		15	17.5	G3/4		
BVM02G220063	BVM06G220063		6.3	7.4			
BVM01G225220	BVM05G225220		22	25	G1		
BVM02G225100	BVM06G225100		10	11.7			
BVM01G232310	BVM05G232310		31	36.3	G11/4		
BVM02G232160	BVM06G232160		16	18.7			
BVM01G240330	BVM05G240330		33	38.6	G11/2		
BVM02G240250	BVM06G240250		25	29.3			
BVM01G250500	BVM05G250500		50	58.5	G2		
BVM02G250400	BVM06G250400		40	46.8			
BVM01G315120	BVM05G315120	3-way	12	14	G1/2	0.6	2.5
BVM02G315040	BVM06G315040		4	4.7			
BVM01G320150	BVM05G320150		15	17.5	G3/4		
BVM02G320063	BVM06G320063		6.3	7.4			
BVM01G325220	BVM05G325220		22	25	G1		
BVM02G325100	BVM06G325100		10	11.7			
BVM01G332310	BVM05G332310		31	36.3	G11/4		
BVM02G332160	BVM06G332160		16	18.7			
BVM01G340330	BVM05G340330		33	38.6	G11/2		
BVM02G340250	BVM06G340250		25	29.3			
BVM01G350500	BVM05G350500		50	58.5	G2		
BVM02G350400	BVM06G350400		40	46.8			

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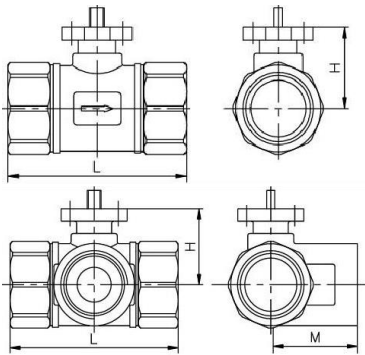
MATE

Material

MATERIAL	BODY	Forged brass/Precision casting stainless steel
	BALL	304 Stainless steel
	SEAT	PTFE (Poly Tetrae Fluoro Ethylene) and graphite
	STEM	304 Stainless steel
	O-RING	EPDM
WORKING MEDIA		Chilled/hot water or 50% glycol
MEDIA TEMPERATURE		-10°C ~ 120°C

Dimensions (mm)

SIZE (mm)	DIMENSION (mm)				THREAD (G)	MAX. PIPE THREAD SIZE (mm)
	L		H	M		
	2-way	3-way				
15	68	68	32	33	G1/2	13
20	68	68	32	35	G3/4	13
25	84	84	37	44	G1	17
32	98	98	48	50	G1 1/4	19
40	98	105	48	50	G1 1/2	19
50	122	123	52	62	G2	29



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Flow Direction

DN15-25 valves are matched with BAM03 actuator. DN32-50 valves are matched with BAM04 actuator. Please notice there is a mark “T” on the top of valve stem. The position of mark “T” indicates flow direction.

APPLICATION	2-WAY		3-WAY MIXING		3-WAY DIVERTED	
FLOW DIRECTION						
T" POSITION						
ACTUATOR	CLOSE WHEN ROTATE TO 0°	OPEN WHEN ROTATE TO 90°	CLOSE WHEN ROTATE TO 0°	OPEN WHEN ROTATE TO 90°	CLOSE WHEN ROTATE TO 0°	OPEN WHEN ROTATE TO 90°

Installation & Adjustment

1.

To avoid valve breaking or unscrew the end pieces, please operate the spanners on the same side of the valve body during the installation (as the figure on the right).
2.

Because the valve can be installed on the pipe without the actuator, the adjustment can be processed after the actuator is assembled on the valve. The installation of the actuator is very easy, no tools request. Please see the details on Installation Indication.
3.

The ball valve can be installed horizontally or vertically. THE ACTUATOR MUST BE INSTALLED ABOVE THE VALVE BODY.

