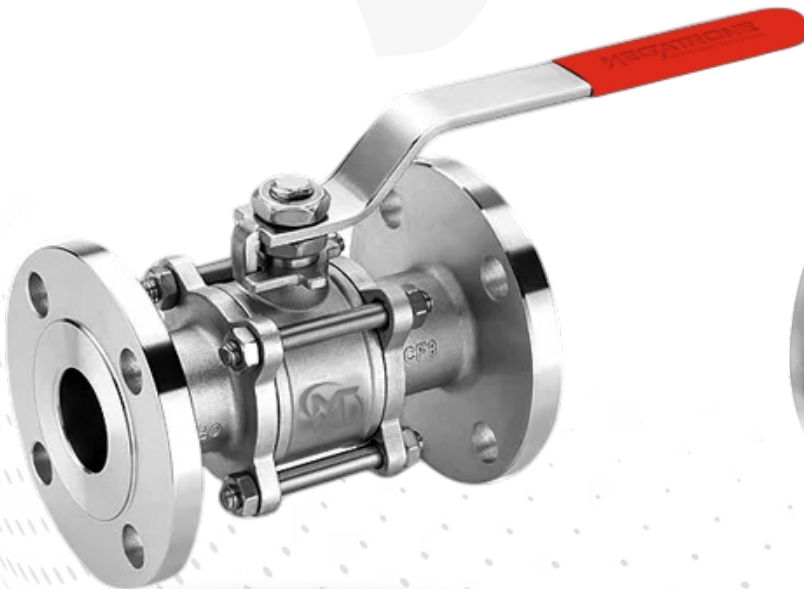




MEGATRONE
INDUSTRIAL SOLUTIONS

3 Piece Flange Ended Ball Valve

Megatrone MBV Series



3 Piece Flange Ball Valve – MBV Series

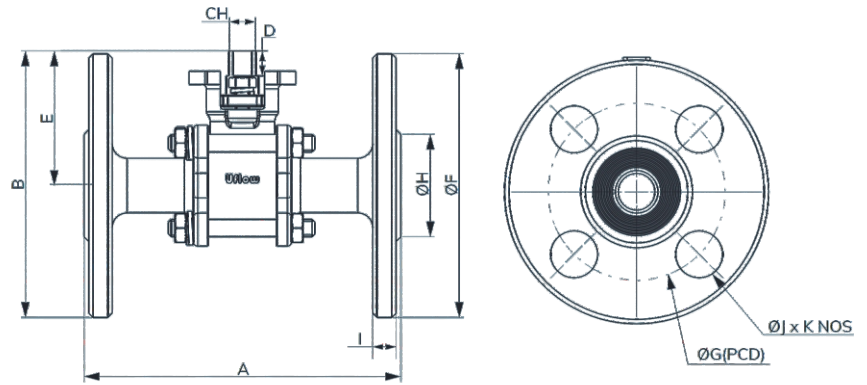
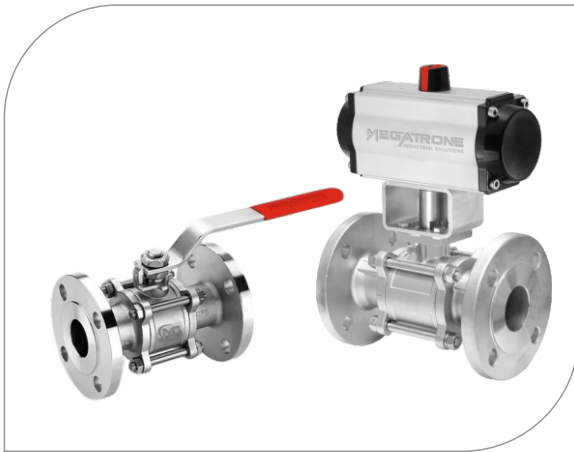


Diagram No. 33.1

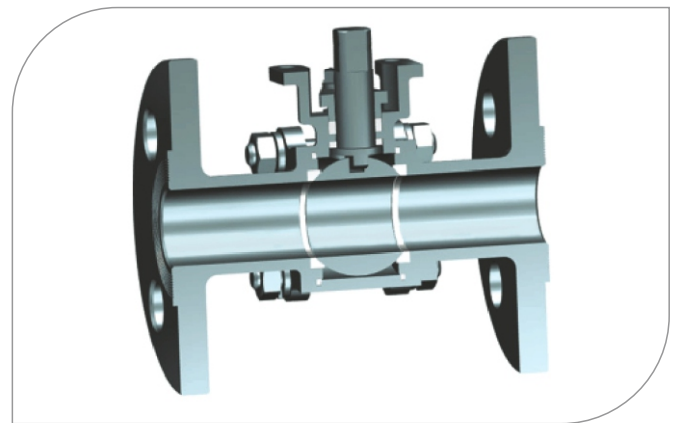
Specifications

Size :	DN15 - DN100
End Connection :	Flange end
Face to Face :	ASME B 16.10 (Flange end)
Pressure Class :	150#, 300#
Design Standard :	ASME B16.10, ASME B16.25, ASME B16.34, ASME B16.5, API 598, BS EN ISO 17292, ISO 5211
Body Material :	CF8 / CF8M / WCB / CF3M
Tail Piece Material :	CF8 / CF8M / WCB / CF3M
Ball Material :	CF8 / CF8M
Body Seal Material :	PTFE / RPTFE / CFT / GFT / PEEK
Body Liner / Seat Material :	PTFE / RPTFE / CFT / GFT / PEEK
Fastener Material :	SS304 / SS316
Stem Seal Material :	PTFE / RPTFE / CFT / GFT / PEEK
Stem Material :	SS304 / SS316 / SS410
Gland Bush Material :	SS304 / SS316 / SS410
Gland Material :	SS304 / SS316 / SS410

Features :

- ✓ 3PC design twinseal ball valve.
- ✓ Full port ball valve.
- ✓ Blow out proof stem.
- ✓ Floating ball design.
- ✓ Hand Lever / Gear / Actuator Operated.
- ✓ Face to Face:- ASME B16.10.
- ✓ End Connection:- Flanged (ASME B16.5), Buttweld (ASME B16.25)
- ✓ Balls are precision machined and mirror finished for bubble-tight shut off with less operating torque.
- ✓ ISO 5211 top mounting pad available for easy Uflow make actuator mounting.

Section View :

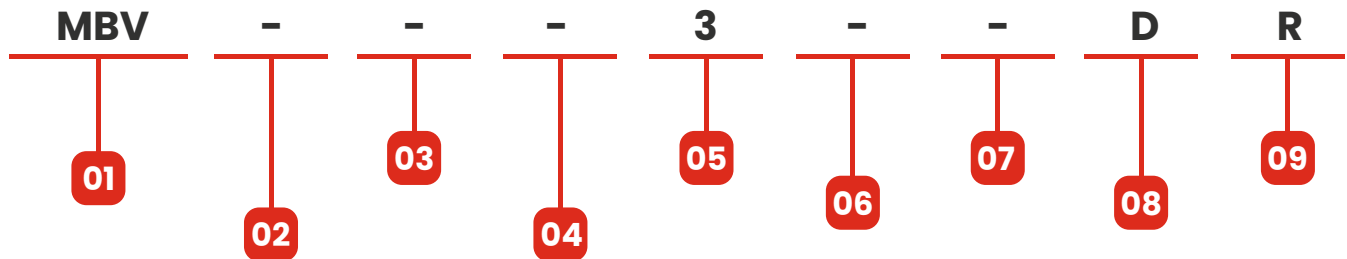


Technical Data (All dimensions are in mm)

All dimensions are approx.

Model No.	Diagram No.	Pipe (Inch)	A	B	CH	D	E	F	G	H	I	J	K	ISO 5211
MBV-2DR	33.1	½"	108	91	9.1	8.5	46	90	60.5	35	8	16	4	F03
MBV-3DR	33.1	¾"	117	100	9.1	9	50	100	70	44.5	9	16	4	F03
MBV-4DR	33.1	1"	127	117	11	13.5	61.5	110	79.5	48	9.6	16	4	F05
MBV-5DR	33.1	½"	140	127	11	13	70	115	89	63.5	11.2	16	4	F05
MBV-6DR	33.1	1½"	165	136	11	13	73.5	125	98.5	73	12.5	16	4	F05
MBV-8DR	33.1	2"	178	169	14	15.5	94	150	121	92	14.5	19	4	F05
MBV-9DR	33.1	2½"	190	198.5	14	15	108.5	180	139.5	105	16	19.5	4	F07
MBV-ADR	33.1	3"	203	214.5	17	16.5	119.5	190	152.5	127	17.5	19.5	4	F07
MBV-BDR	33.1	4"	229	259	22	23	144	230	190.5	157	55.5	19	8	F07

MBV – SERIES 3 PC BALL VALVE FULL BORE SELECTION CHART



01	SERIES
	MBV

02	PRODUCT TYPE
-	3PC Ball Valve Full Bore

03	BODY MATERIAL
-	CF8
M	CF8M
V	CF3M
F	CF3
W	WCB
J	WCB-MR0103
H	WCB-MR0175

04	SEAL MATERIAL
-	PTFE
R	RPTFE
T	CFT
L	GFT
K	PEEK
P	PCTFE

05	PORT SIZE
2	1/2"
3	3/4"
4	1"
5	1-1/4"
6	1-1/2"
7	3/8"
8	2"
9	2-1/2"
A	3"
B	4"

06	STEM/BALL MATERIAL
-	CF8/SS 304
M	CF8M/SS 316
V	CF3M/SS 316L
F	CF3/SS 304L

07	PRESSURE CLASS
-	150#
B	300#
1	PN40

08	PORT CONNECTION
-	BSP
N	NPT
P	BSPT
D	FLANGE END
T	TRI CLAMP
S	SOCKET
W	BUTTWELD
A	FLAT FACE FLANGE END

09	OPERATION
-	ACTUATOR OPERATED
R	BARE STEM
E	ELECTRIC ACTUATOR OPERATED
G	GEAR
U	MANUAL OPERATED
L	MANUAL WITH LIMIT SWITCH
4	MANUAL OPERATED SS304

MBV-3DR

3/4" 3PC BALL VALVE FULL BORE CF8-PTFE
CF8/SS304-150#-FLANGE END-BARE STEM

Note : The above chart is for identification purposes only, and it may not be possible to make all combinations for the above chart.



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