

SERIES MFV

MULTIFUNCTION VALVE



Datasheet

Features
Performance Curves
Dimensions

150 PSIG
at 225°F

Pressure

2" to 18"

Size Range

**Flanged
Grooved**

Connections

LOW PRESSURE DROP

The multi-function valve streamlined design results in low pressure drop making it extremely energy efficient.

CONTROL

Greater range of control allows precise flow control versus On-Off throttling valves.

POSITIVE SHUT-OFF

Without valve chattering. These valves are positive shut-off valves, when using MFV valves, other types of valves are not required.

CALIBRATED NAMEPLATE

The multi-function valve allows you to return to the balance position after shutting it off.

DURABILITY

Bronze seat and disc with stainless steel stem construction ensure long life and reliability.

SPRING LOADED CLAPPER

Allows the Multi-function valve to be installed horizontally or vertically upward, in-line.

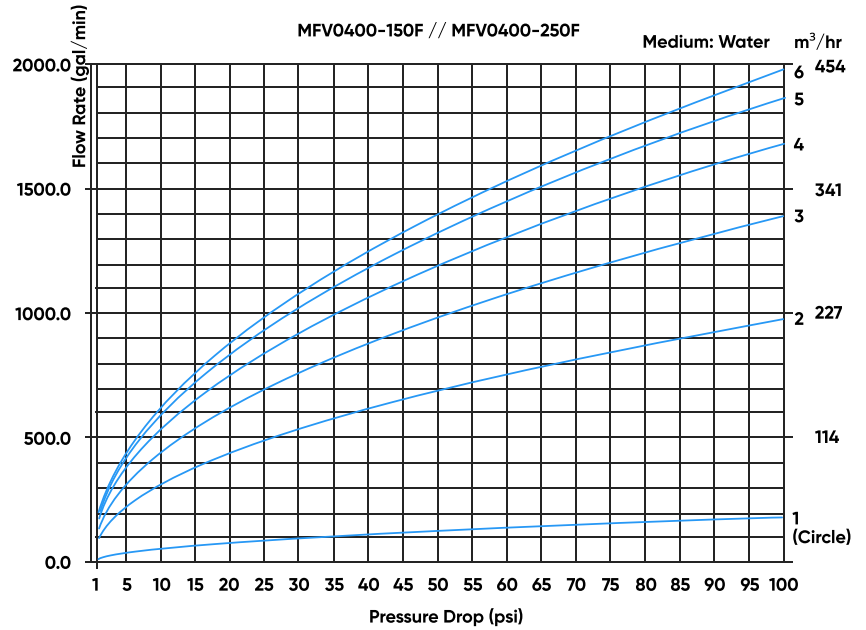
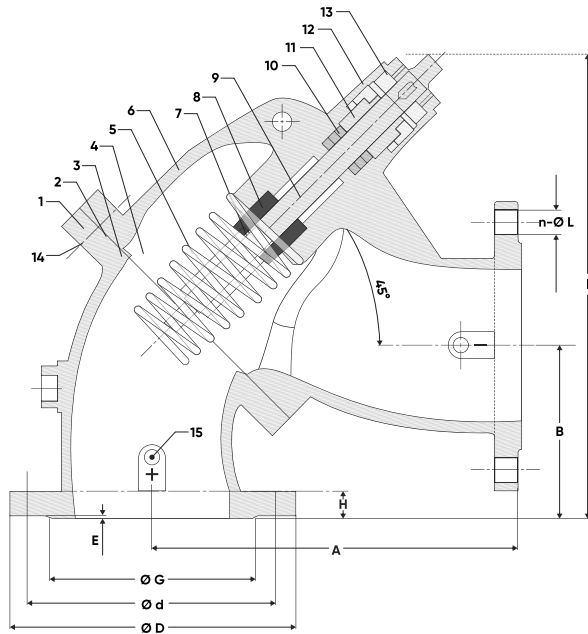
SERVICEABILITY

Allows easy maintenance and replacement without disturbing the piping.

BENEFITS

- 1) Using a multifunction valve avoid user's complaints with unbalanced heating or cooling systems in different parts of the building.
- 2) Easy correction of system design and installation errors
- 3) Better accuracy of flow measurement
- 4) Economic; system components like boilers/ chillers don't have to be oversized for possible errors and varying conditions. A balanced system only needs the actually required flows which is usually less than system when not balanced.

Dimensions



NO.	PARTS	QTY	MATERIAL
1	Lower Body	1	DI
2	O Ring	1	NBR/EPDM
3	Seat	1	Castin Brass
4	Disc	1	CI+EPDM
5	Spring	1	SS302
6	Upper Body	1	D1
7	Disc Shaft	1	SS410
8	Shaft Nut	1	Brass
9	Shaft	1	SS410
10	Packing	3	Graphit
11	Gland	1	SS410
12	Accessories	1	Plastic
13	Accessories	1	Plastic
14	Bolt & Nut	8	WCB
13	Plug/Testing Point	4	WCB/HPb59-1

MODEL	Ø D	Ø d	H	n-ØL	ØG	E	A	B	Open	Close
2 ½	7.01"	5.50"	0.69"	4-Ø.75"	—	—	7.36"	4.61"	11.77"	12.91"
	178 mm	139.7 mm	17.6 mm		—	—				
DN65	7.28"	5.71"	0.88"	4-Ø19 mm	4.65"	.12"	187 mm	117 mm	299 mm	328 mm
	185 mm	145 mm	22.4 mm		118 mm	3 mm				
3	7.5"	6"	0.75"	8-Ø.75"	—	—	8.19"	3.86"	12.28"	13.62"
	190.5 mm	152.4 mm	19.1 mm		—	—				
DN80	7.87"	6.3"	0.94"	8-Ø19 mm	5.20"	.12"	208 mm	98 mm	312 mm	346 mm
	200 mm	160 mm	24 mm		132 mm	3 mm				
4	9.02"	7.5"	0.75"	8-Ø.75"	—	—	9.61"	4.37"	12.56"	13.90"
	229 mm	190.5 mm	19.1 mm		—	—				
DN100	8.66"	7.09"	0.94"	8-Ø19 mm	6.14"	.12"	244 mm	111 mm	319 mm	353 mm
	220 mm	180 mm	24 mm		156 mm	3 mm				
5	10"	8.5"	0.75"	8-Ø.91"	—	—	12.01"	5.51"	16.10"	18.11"
	254 mm	215.9 mm	19 mm		8-Ø23 mm	—				
DN125	9.84"	8.27"	0.94"	8-Ø.75"	7.24"	.12"	305 mm	140 mm	409 mm	460 mm
	250 mm	210 mm	23.9 mm		8-Ø19 mm	184 mm				
6	11"	9.5"	1"	8-Ø.91"	—	—	14.13"	6.61"	17.76"	20.00"
	279.4 mm	241.3 mm	25.5 mm		8-Ø23 mm	—				
DN150	11.22"	9.45"	0.75"	8-Ø.91"	8.31"	.12"	359 mm	168 mm	451 mm	508 mm
	285 mm	240 mm	19 mm		8-Ø23 mm	211 mm				
8	13.5"	11.75"	1.12"	8-Ø.91"	—	—	18.94"	9.17"	24.09"	27.44"
	342.9 mm	298.5 mm	28.5 mm		8-Ø23 mm	—				
DN200	13.39"	11.61"	0.79"	12-Ø.91"	10.47"	.12"	481 mm	233 mm	612 mm	697 mm
	340 mm	295 mm	20 mm		12-Ø23 mm	266 mm				
10	16"	14.25"	1.18"	12-Ø1.02"	—	—	20.31"	9.76"	27.44"	31.46"
	406.4 mm	362 mm	30 mm		12-Ø26 mm	—				
DN250	15.55"	13.78"	0.87"	12-Ø.91"	12.56"	.12"	516 mm	248 mm	697 mm	799 mm
	395 mm	350 mm	22 mm		12-Ø23 mm	319 mm				
12	15.94"	13.98"	0.87"	12-Ø1.1"	—	—	24.06"	14.02"	33.94"	38.62"
	405 mm	355 mm	22 mm		12-Ø28 mm	—				
DN300	19"	17"	1.25"	12-Ø1.02"	14.57"	.16"	611 mm	356 mm	362 mm	981 mm
	482.6 mm	431.8 mm	31.8 mm		12-Ø26 mm	370 mm				
12	17.52"	15.75"	0.96"	12-Ø.91"	—	—	24.06"	14.02"	33.94"	38.62"
	445 mm	400 mm	24.5 mm		12-Ø23 mm	—				
12	18.11"	16.14"	0.96"	12-Ø1.1"	—	—	24.06"	14.02"	33.94"	38.62"
	460 mm	410 mm	24.5 mm		12-Ø28 mm	—				