

“MRV” Series Valves

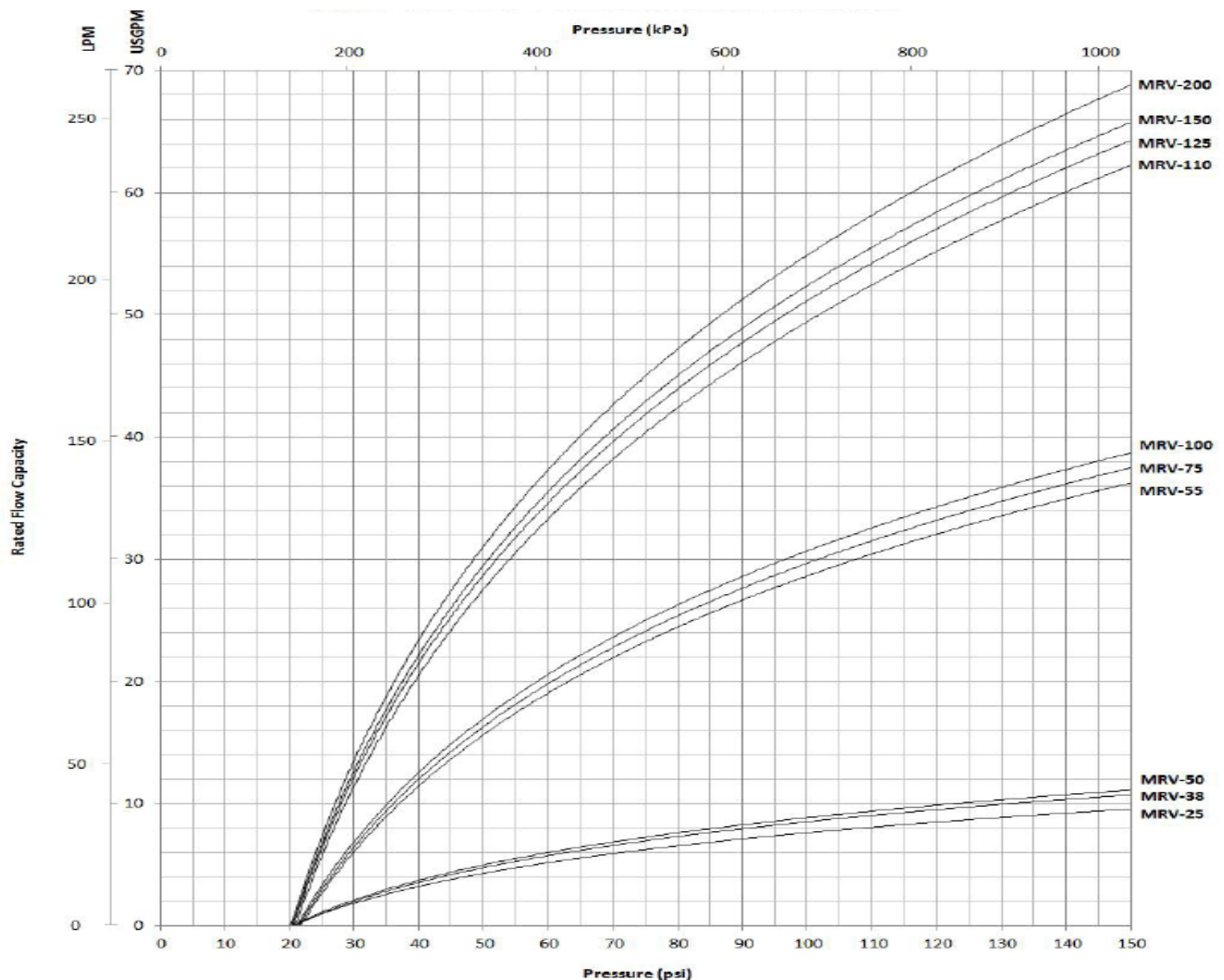


“MRV” Series Features

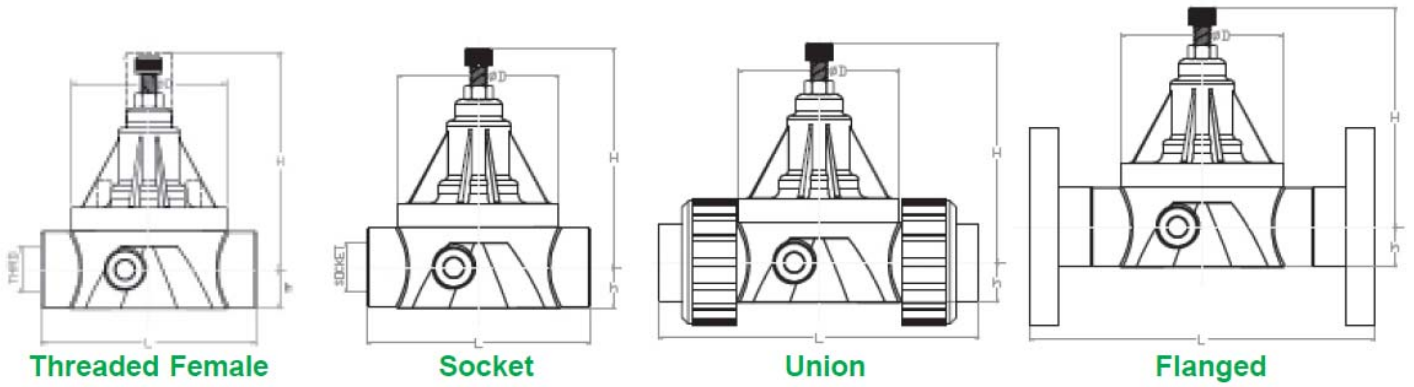
The “MRV” series is available in sizes between ¼” and 4”. The 2 port design allows them to be used both as pressure relief and back pressure valves. Valves are factory set at 50 psi and are easy to adjust in the field to other settings. An optional port enables the use of a standard pressure gauge so the operator can see the results of field adjustments.

- High reliability/low cost
- Injection molded bodies (plastic materials)
- Corrosion protection on all hardware
- Externally adjustable from 0 to 150 psi
- Wide range of materials
- Diaphragm material options
- Mounting options including:
 - Threaded
 - Socket Weld
 - Union
 - Flanged

“MRV” Series Valves Selection Table



"MRV" Series Dimensions



Dimensions in inches (mm)

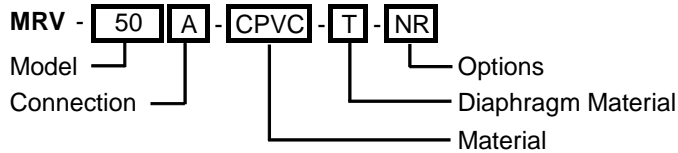
Model	Size	Ø D	Plastic Materials (PCV, CPVC, PP, PVDF)						316 ss				
			h	H	L				h	H	L		
					Thread	Socket	Flange	Union			Thread	Socket	Flange
25	1/4"	2.5"(63.5)	0.66"(16.7)	4.48"(113.9)	3.4" (86.4)	3.4" (86.4)	N/A	6" (152.4)	2.5"(63.5)	0.6"(15.2)	2.5"(63.5)	2.5"(63.5)	N/A
50	1/2"	2.5"(63.5)	0.66"(16.7)	4.48"(113.9)	3.4" (86.4)	3.4" (86.4)	5.4" (137.2)	6" (152.4)	2.5"(63.5)	0.6"(15.2)	2.5"(63.5)	2.5"(63.5)	6.25"(158.8)
55	1/2" HiFlo	3.5"(88.9)	0.88"(22.4)	4.8"(121.9)	4.85"(123.2)	4.85"(123.2)	6.93"(176)	6.96"(176.8)	0.63"(16)	4.8"(121.9)	3.5"(88.9)	3.5"(88.9)	7.25"(180.72)
75	3/4"	3.5"(88.9)	0.88"(22.4)	4.8"(121.9)	4.85"(123.2)	4.85"(123.2)	7.37"(187.07)	6.96"(176.8)	0.73"(18.5)	4.8"(121.9)	3.5"(88.9)	3.5"(88.9)	7.48"(190)
100	1"	3.5"(88.9)	0.88"(22.4)	4.8"(121.9)	4.85"(123.2)	4.85"(123.2)	7.48"(190)	6.96"(176.8)	0.86"(21.8)	5.1"(129.5)	3.5"(88.9)	3.5"(88.9)	7.63"(193.85)
110	1" HiFlo	4" (101.6)	1.47"(37.3)	5.75"(146.1)	4.9"(124.5)	4.9"(124.5)	7.59"(192.8)	9.96"(253)	1.05"(26.7)	5.78"(146.6)	4"(101.6)	4"(101.6)	8.15"(207)
125	1 1/4"	4" (101.6)	1.47"(37.3)	5.75"(146.1)	4.9"(124.5)	4.9"(124.5)	7.83"(198.9)	9.96"(253)	1.05"(26.7)	5.78"(146.6)	4"(101.6)	4"(101.6)	8.14"(206.7)
150	1 1/2"	4" (101.6)	1.47"(37.3)	5.75"(146.1)	6.1"(154.9)	6.1"(154.9)	9.27"(235.5)	9.96"(253)	1.45"(36.8)	5.83"(148.1)	4.72"(119.9)	4.72"(119.9)	9.6"(243.6)
200	2"	4" (101.6)	1.47"(37.3)	5.75"(146.1)	6.1"(154.9)	6.1"(154.9)	9.61"(244.1)	9.96"(253)	1.45"(36.8)	5.82"(147.8)	4.72"(119.9)	4.72"(119.9)	9.72"(246.9)

Maximum Pressure vs. Temperature

Temperature		Max Pressure PSIG by Material				
F°	C°	PVC	CPVC	PP	PVDF	316 ss
68	20	150	150	150	150	150
86	30	110	150	150	150	150
104	40	70	150	100	150	150
122	50	30	140	65	150	150
140	60	NR	130	35	150	150
158	70	NR	105	NR	135	150
176	80	NR	75	NR	120	150

"MRV" Series Valves Product Code

Part Number -
with example code



Connection Codes:

Code	Description	
A	NPT	
S	BSPT	
C	Socket ANSI	
D	Socket DIN	
E	Flanged ANSI	
F	Flanged DIN	
G	Union NPT	Plastic Only
H	Union BSPT	
I	Union Socket ANSI	
J	Union Socket DIN	

Materials and Diaphragm Material Codes

Body Material and Code:	Diaphragm Code:	Diaphragm Material			
		PVC	PTFE/EPDM	EPDM	Viton
PVC	P	Standard	Optional	Optional	Optional
CPVC	T	Optional	Standard	Optional	Optional
PP	E	Optional	Standard	Optional	Optional
PVDF	V	Optional	Standard	Optional	Optional
316L SS		Optional	Standard	Optional	Optional

Options

Code	Description
NN	None
NL	NL - Gauge Port - NPT (left to right flow)
NR	NR - Gauge Port - NPT (right to left flow)

Does not include gauge.
Order gauge separately.