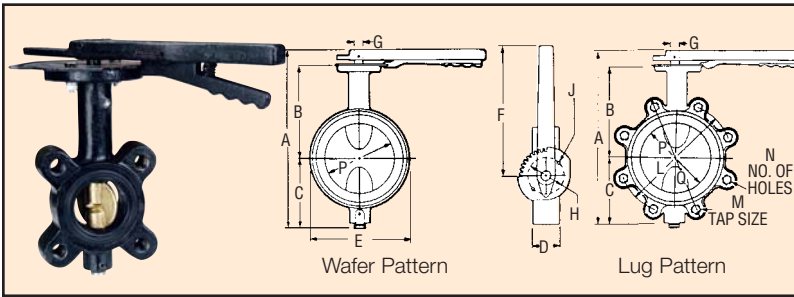




Series MBV

Butterfly Valves

Low Cost, Lever Operated, Lug or Wafer Pattern, 200 psig, Memory Stop



Size	2"	2-1/2"	3"	4"	5"	6"	8"	10"	12"
A	9.38	10.19	10.69	13.00	14.00	15.19	17.75	20.50	23.50
B	5.38	5.94	6.00	7.00	7.56	7.94	9.19	10.50	12.06
C	3.00	3.25	3.69	4.81	5.25	5.88	6.81	8.38	9.81
D	1.75	1.88	1.88	2.13	2.25	2.25	2.50	2.81	3.13
E	4.00	4.75	5.25	6.13	7.50	8.50	10.63	12.50	14.75
F	8.00	8.00	8.00	11.00	11.00	11.00	16.00	16.00	16.00
G	0.56	0.56	0.56	0.69	0.69	0.81	0.94	1.12	1.25
H	3.25	3.25	3.25	3.25	3.25	3.25	4.75	4.75	4.75
J	0.27	0.27	0.27	0.27	0.27	0.27	0.56	0.56	0.56
L	4.75	5.50	6.00	7.50	8.50	9.50	11.75	14.25	17.00
M-Thread	5/8-11	5/8-11	5/8-11	5/8-11	3/4-10	3/4-10	3/4-10	7/8-9	7/8-9
N-#Holes	4	4	4	8	8	8	8	12	12
P	2	2.5	3	4	5	6	8	10	12
Q	6.00	7.00	7.50	9.00	10.00	11.00	13.50	16.00	19.00

Series MBV Butterfly Valves offer high performance at an economical price. Rated to 200 psig, the Series MBV is ideal for Commercial, HVAC and Industrial applications. Standard features include a Bronze alloy disc and EPDM or Buna-N seats for compatibility with a wide range of media. The 416 SS two-piece stem design provides strength while allowing a thinner disc profile resulting in higher Cv's. Extended neck provides clearance for up to 2" of insulation. 10 position locking handle sets the valve in 10° increments, while the memory stop lets you set the valve in the same position each time. Both lug and wafer designs fit ANSI Cl.125/150 flanges.

SPECIFICATIONS

Line Size: 2" thru 12".
Pressure Limits: 200 psi.
Wetted Material: Body - Cast Iron.
 Disc - Bronze (std); Nickel coated

Ductile Iron (optional); 316 SS (optional).
 Liner - EPDM, Buna-N, Viton®. Bearings - Oil impregnated Bronze.
Temperature Limits: Buna-N: 180°F (82°C); EPDM: 250°F (121°C); Viton®: 300°F (149°C).

Cv Values vs % Open

	30%	40%	50%	60%	70%	100%
2"	14	25	43	60	87	130
2 1/2"	21	36	63	87	127	190
3"	39	68	119	166	241	360
4"	71	123	214	300	435	650
5"	154	266	462	644	938	1400
6"	209	361	627	875	1273	1900
8"	363	627	1089	1518	2200	3300
10"	550	950	1650	2300	3350	5000
12"	825	1425	2475	3450	5025	7500

OPERATING TORQUE VALUES (in-lb)

Size	0 psi Wet	0 psi Dry	100 psi Wet	100 psi Dry	200 psi Wet	200 psi Dry
2"	130	175	160	220	190	250
2 1/2"	150	200	190	250	225	300
3"	200	275	260	350	300	400
4"	330	450	420	550	450	600
5"	375	500	620	825	675	900
6"	675	900	900	1200	1100	1450
8"	900	1200	1200	1600	1500	2000
10"	1900	2500	2250	3000	2900	3800
12"	2400	3200	3400	4500	4500	6000

POPULAR MODELS

Size	Liner	Model	Size	Liner	Model
2"	BUNA-N	MBVL1102	5"	BUNA-N	MBVW1105
	EPDM	MBVL1202		EPDM	MBVW1205
	BUNA-N	MBVW1102		BUNA-N	MBVL1106
2 1/2"	EPDM	MBVW1202	6"	EPDM	MBVL1206
	BUNA-N	MBVL1125		BUNA-N	MBVW1106
	EPDM	MBVL1225		EPDM	MBVW1206
3"	BUNA-N	MBVW1125	8"	BUNA-N	MBVL1108
	EPDM	MBVW1225		EPDM	MBVL1208
	BUNA-N	MBVL1103		BUNA-N	MBVW1108
4"	EPDM	MBVL1203	10"	EPDM	MBVL1208
	BUNA-N	MBVW1103		BUNA-N	MBVW1108
	EPDM	MBVW1203		EPDM	MBVL1208
5"	BUNA-N	MBVL1104	12"	BUNA-N	MBVL1110
	EPDM	MBVL1204		EPDM	MBVL1210
	BUNA-N	MBVW1104		BUNA-N	MBVW1110
6"	EPDM	MBVW1204	12"	EPDM	MBVW1210
	BUNA-N	MBVL1105		BUNA-N	MBVL1112
	EPDM	MBVL1205		EPDM	MBVL1212
8"	BUNA-N	MBVW1105	12"	BUNA-N	MBVW1112
	EPDM	MBVW1205		EPDM	MBVW1212

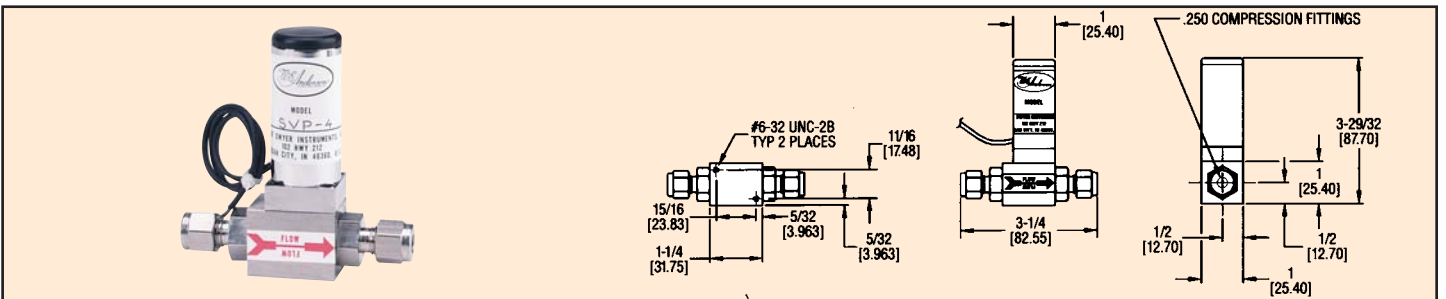
MBVL1102 L - Lug Pattern W - Wafer Pattern



Series SVP

Proportioning Solenoid Valve

Low Cost, Stainless Steel Construction, 0-24 VDC Input



The Series SVP is a low cost, uniquely designed solenoid valve which controls or regulates flow in proportion to a variable voltage input. While most solenoid valves simply provide on/off service, this unit adds a totally new dimension to solenoid valve performance. Reacting to a 0-24 VDC input signal, the valve opens in proportion to the voltage applied, delivering just the right amount of flow needed. Compatible with a wide range of gases and liquids, this unit provides the solution to even the most demanding applications like process control, chemical mixing, high tech manufacturing and laboratory testing. Another quality feature of this valve is its tight shut-off (NC) when de-energized.

SPECIFICATIONS

Service: Compatible gases.
End Connections: 1/4" compression fitting.
Pressure Limits: 500 psig (34.45 bar).
Wetted Materials: 316 and 416 stainless steel, Viton® O-rings.
Temperature Limits:
 Process: -40 to 174°F (-40 to 79°C).
 Ambient: -40 to 130°F (-40 to 54°C).
Type of Operation: Normally closed, valve will close when de-energized.
Voltage Input: 0-24 VDC.
Max. Operating Current: 400 mA.
Electrical Connections: (M) spade type.
Maximum Differential Pressure: 50 psid (3.45 bar).
Weight: 12 oz (340 g).

POPULAR MODELS

MODEL NO.	ORIFICE IN. (MM)	Cv	MAXIMUM FLOW*	
			AIR SCFH (LPM)	WATER GPH (CC/M)
SVP-1	0.020 (0.51)	0.009	7.4 (3.5)	2.0 (125)
SVP-2	0.040 (1.02)	0.033	27.5 (13)	6.4 (400)
SVP-3	0.055 (1.40)	0.055	45.6 (21.5)	11.1 (700)
SVP-4	0.063 (1.60)	0.068	53 (25)	13.5 (850)

*Based on 10 psig (69 kPa) inlet pressure and atmospheric exhaust

Valves