



NOTE:  
DIMENSIONS "L" AND "M" REPRESENT THE MINIMUM CLEARANCE  
REQUIRED TO REMOVE OR INSTALL BACKFLOW ACTUATOR.

\* DIMENSION "H" DOES NOT EXTEND PAST FLANGE ON VALVE SIZES 2" THRU 3", 30" THRU 48".  
2" & 2 1/2" DO NOT HAVE MECHANICAL INDICATOR BOSS.

DRAWING DEPICTS 24" SIZE TO SCALE

SEE DRAWING NO. VM-502ABFMI-M FOR STANDARD MATERIALS OF CONSTRUCTION

ANSI CLASS 125

VALVE SIZE	MODEL NO.	CWP (PSI)	A	B	C	D	E	F	G	*H	J	K	L	M	BOLT SIZE	NO. OF BOLTS	SHPG. WT.
2	502ABF	250	8.00	4.75	6.00	0.63	2.00	N/A	1.63	-0.50	6.75	5.18	1.50	1.50	5/8	4	27
2 1/2	525ABF	250	8.50	5.50	7.00	0.68	2.50	N/A	1.63	-0.50	7.00	5.18	1.50	1.50	5/8	4	32
3	503ABFMI	250	9.50	6.00	7.50	0.75	3.00	8.69	1.63	-0.38	7.50	7.50	1.50	1.50	5/8	4	45
4	504ABFMI	250	11.50	7.50	9.00	0.75	4.00	10.63	2.12	3.38	10.75	8.25	2.50	2.50	5/8	8	70
6	506ABFMI	250	15.00	9.50	11.00	0.75	6.00	11.69	2.12	1.38	11.38	11.12	3.00	3.00	3/4	8	130
8	508ABFMI	250	19.50	11.75	13.50	0.88	8.00	13.25	2.88	2.00	15.75	16.00	5.75	5.75	3/4	8	250
10	510ABFMI	250	24.50	14.25	16.00	1.18	10.00	15.63	3.12	0.50	17.00	21.00	5.75	5.75	7/8	12	430
12	512ABFMI	250	27.50	17.00	19.00	1.25	12.00	17.19	3.43	3.50	22.50	24.00	6.50	6.50	7/8	12	660
14	514ABFMI	250	31.00	18.75	21.00	1.38	14.00	17.81	3.63	4.00	26.25	23.25	6.50	6.50	1	12	750
16	516ABFMI	250	32.00	21.25	23.50	1.43	16.00	19.06	3.25	4.63	30.00	25.25	6.50	6.50	1	16	900
18	518ABFMI	250	36.00	22.75	25.00	1.56	18.00	20.25	3.12	5.25	33.75	28.25	6.50	6.50	1 1/8	16	1230
20	520ABFMI	250	40.00	25.00	27.50	1.68	20.00	21.69	3.50	5.88	37.50	30.63	8.00	8.00	1 1/8	20	1750
24	52A4BFMI	250	48.00	29.50	32.00	1.88	24.00	24.50	5.00	1.81	45.00	36.00	8.00	8.00	1 1/4	20	2400
30	530BFMI	150	56.00	36.00	38.75	2.12	30.00	27.81	5.75	-0.63	41.25	45.88	8.00	8.00	1 1/4	28	4350
30	530ABFMI	250	56.00	36.00	38.75	2.12	30.00	27.81	5.75	-0.63	41.25	45.88	8.00	8.00	1 1/4	28	4350
36	536BFMI	150	63.00	42.75	46.00	2.38	36.00	32.63	3.88	-.38	49.00	55.00	9.75	9.75	1 1/2	32	7000
36	536ABFMI	250	63.00	42.75	46.00	2.38	36.00	32.63	3.88	-.38	49.00	55.00	9.75	9.75	1 1/2	32	7000
42	542BFMI	150	70.00	49.50	53.00	2.63	42.00	39.63	0.12	-5.50	53.50	60.18	9.75	9.75	1 1/2	36	9410
42	542ABFMI	250	70.00	49.50	53.00	2.63	42.00	39.63	0.12	-5.50	53.50	60.18	9.75	9.75	1 1/2	36	9410
48	548BFMI	150	76.00	56.00	59.50	2.75	48.00	43.41	0.12	-2.90	41.98	68.00	10.00	10.00	1 1/2	44	12700
48	548ABFMI	250	76.00	56.00	59.50	2.75	48.00	43.41	0.12	-2.90	41.98	68.00	10.00	10.00	1 1/2	44	12700

Revised 3-31-11

SWING-FLEX CHECK VALVE W/ BACKFLOW ACTUATOR AND MECHANICAL INDICATOR

DATE 6-9-09



VALVE AND MANUFACTURING CORP.

DRWG. NO.

VMC-502ABFMI