



DRAWING DEPICTS 24" SIZE TO SCALE
SEE DRAWING NO. VM-502ABF-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	NO. BOLTS TAPPED	SHPG. WT.
2	502ABF	250	8.00	4.75	6.00	0.69	2.00	3.38	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	0.75	2.50	3.38	1.63	-0.50	7.00	5.18	1.50	1.50	5/8	4	--	32
3	503ABF	250	9.50	6.00	7.50	0.81	3.00	5.13	1.63	-0.38	7.50	7.50	1.50	1.50	5/8	4	--	45
4	504ABF	250	11.50	7.50	9.00	0.75	4.00	5.75	2.13	3.38	10.75	8.25	2.50	2.50	5/8	8	--	70
6	506CBF	250	14.00	9.50	11.00	0.75	6.00	6.88	1.63	1.38	11.38	11.13	3.00	3.00	3/4	8	--	130
8	508ABF	250	19.50	11.75	13.50	0.88	8.00	8.38	2.88	2.00	15.75	16.00	5.75	5.75	3/4	8	--	250
10	510ABF	250	24.50	14.25	16.00	1.18	10.00	10.75	3.12	0.50	17.00	21.00	5.75	5.75	7/8	12	--	430
12	512ABF	250	27.50	17.00	19.00	1.25	12.00	12.50	3.43	3.50	22.50	24.00	6.50	6.50	7/8	12	--	660
14	514ABF	250	31.00	18.75	21.00	1.38	14.00	13.00	3.63	4.00	26.25	23.25	6.50	6.50	1	12	--	750
16	516CBF	250	36.00	21.25	23.50	1.43	16.00	14.25	5.25	4.63	30.00	25.25	6.50	6.50	1	16	--	900
18	518CBF	250	40.00	22.75	25.00	1.56	18.00	15.25	5.13	5.25	33.75	28.25	6.50	6.50	1 1/8	16	--	1230
20	520ABF	250	40.00	25.00	27.50	1.68	20.00	16.88	3.50	5.88	37.50	30.63	8.00	8.00	1 1/8	20	--	1750
24	524ABF	250	48.00	29.50	32.00	1.88	24.00	19.25	5.00	1.81	45.00	36.00	8.00	8.00	1 1/4	20	--	2400
30	530ABF	250	56.00	36.00	38.75	2.13	30.00	23.00	5.75	-0.63	41.25	45.88	8.00	8.00	1 1/4	28	--	4350
36	536ABF	250	63.00	42.75	46.00	2.38	36.00	27.38	3.88	-0.38	49.00	55.00	9.75	9.75	1 1/2	32	8	7000
42	542ABF	250	70.00	49.50	53.00	2.63	42.00	36.88	0.13	-5.50	53.50	60.18	9.75	9.75	1 1/2	36	10	9410
48	548ABF	250	76.00	56.00	59.50	2.75	48.00	40.66	0.13	-2.90	41.98	68.00	10.00	10.00	1 1/2	44	12	12700
54	554ABF	250	87.00	62.75	66.25	3.00	54.00	43.00	2.00	-18.8	54.25	75.50	10.00	10.00	1 3/4	44	12	20560

Revised 4/12/21 (Rev 9)

SWING-FLEX[®] CHECK VALVE WITH BACKFLOW ACTUATOR

DATE 6-9-09

DRWG. NO.

VMC-502ABF

VAL-MATIC[®]

VALVE AND MANUFACTURING CORP.