



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 | NO. BOLTS TAPPED | SHP.G. WT. |
|------------|-----------|-----------|-------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-----------|--------------|------------------|------------|
| 2 | 502ABF | 250 | 8.00 | 4.75 | 6.00 | 0.69 | 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 | 0.75 | 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 | 0.81 | 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 | 2.13 | 3.38 | 10.75 | 8.25 | 2.50 | 2.50 | 5/8 | 8 | --- | 70 |
| 6 | 506CBFMI | 250 | 14.00 | 9.50 | 11.00 | 0.75 | 6.00 | 11.69 | 1.63 | 1.38 | 11.38 | 11.13 | 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 | 510BAFMI | 250 | 24.50 | 14.25 | 16.00 | 1.18 | 10.00 | 15.63 | 3.13 | 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 | 516CBFMI | 250 | 36.00 | 21.25 | 23.50 | 1.43 | 16.00 | 19.06 | 5.25 | 4.63 | 30.00 | 25.25 | 6.50 | 6.50 | 1 | 16 | --- | 900 |
| 18 | 518CBFMI | 250 | 40.00 | 22.75 | 25.00 | 1.56 | 18.00 | 20.25 | 5.13 | 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 | 524ABFMI | 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 | 530ABFMI | 250 | 56.00 | 36.00 | 38.75 | 2.13 | 30.00 | 27.81 | 5.75 | -0.63 | 41.25 | 45.88 | 8.00 | 8.00 | 1 1/4 | 28 | --- | 4350 |
| 36 | 536ABFMI | 250 | 63.00 | 42.75 | 46.00 | 2.38 | 36.00 | 32.63 | 3.88 | -0.38 | 49.00 | 55.00 | 9.75 | 9.75 | 1 1/2 | 32 | 8 | 7000 |
| 42 | 542ABFMI | 250 | 70.00 | 49.50 | 53.00 | 2.63 | 42.00 | 39.63 | 0.13 | -5.50 | 53.50 | 60.18 | 9.75 | 9.75 | 1 1/2 | 36 | 10 | 9410 |
| 48 | 548ABFMI | 250 | 76.00 | 56.00 | 59.50 | 2.75 | 48.00 | 43.41 | 0.13 | -2.90 | 56.00 | 68.00 | 10.00 | 10.00 | 1 1/2 | 44 | 12 | 12700 |
| 54 | 554ABFMI | 250 | 87.00 | 62.75 | 66.25 | 3.00 | 54.00 | 46.00 | 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 AND MECHANICAL INDICATOR

DATE 6-9-09

DRWG. NO.
VMC-502ABFMI



VALVE AND MANUFACTURING CORP.