



TEST PRESSURE  
1.5 TIMES COLD WORKING PRESSURE-CWP

SEE DRAWING NO. VM-50-M FOR STANDARD MATERIAL OF CONSTRUCTION.

VALVE SIZE	MODEL NO.	INLET SIZE	OUTLET SIZE	CWP P.S.I.	ORIFICE SIZE
2"	50	2" N.P.T.	1" N.P.T.	500	7/32"
2"	50HP	2" N.P.T.	1" N.P.T.	1000	1/8"

- |               |                   |                       |
|---------------|-------------------|-----------------------|
| 1 BODY        | 8 RETAINING SCREW | 18 LOCK NUT           |
| 2 COVER       | 10 FLOAT ARM      | 19 LINK               |
| 3 LEVER FRAME | 11 ORIFICE BUTTON | 21 LOCATING PIN       |
| 4 SEAT        | 12 PIVOT PIN      | 22 ORIFICE BUTTON ARM |
| 5 FLOAT       | 13 RETAINING RING | 28 PIPE PLUG          |
| 6 GASKET      | 14 PIPE PLUG      | 30 WASHER             |
| 7 COVER BOLT  | 17 FLOAT RETAINER | 34 LOCK WASHER        |

Revised 4-13-98

## AIR RELEASE VALVE

DATE 7-14-70

**VAL-MATIC**<sup>®</sup>

VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-50

# AIR RELEASE VALVE

MODEL NOS. 50 & 50HP

## STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY (MODEL 50)	CAST IRON ASTM A126, CLASS B
1	BODY (MODEL 50HP)	DUCTILE IRON ASTM A536, GRADE 65-45-12
2	COVER (MODEL 50)	CAST IRON ASTM A126, CLASS B
2	COVER (MODEL 50HP)	DUCTILE IRON ASTM A536, GRADE 65-45-12
3	LEVERAGE FRAME	STAINLESS STEEL T316, ASTM A240
4	SEAT	STAINLESS STEEL T316, ASTM A582
5	FLOAT	STAINLESS STEEL T316, ASTM A240
6	GASKET	COMPRESSED NON-ASBESTOS FIBER
7	COVER BOLT	ALLOY STEEL SAE, GRADE 5
8	RETAINING SCREW	STAINLESS STEEL T316, ASTM F879
10	FLOAT ARM	STAINLESS STEEL T316, ASTM A582
11	ORIFICE BUTTON	STAINLESS STEEL & BUNA-N
12	PIVOT PIN	STAINLESS STEEL T316, ASTM A276
13	RETAINING RING	STAINLESS STEEL PH 15-7 MO
14	PIPE PLUG	STEEL
17	FLOAT RETAINER	STAINLESS STEEL T316, ASTM F593
18	LOCK NUT	STAINLESS STEEL T316, ASTM F594
19	LINK	STAINLESS STEEL T316, ASTM A240
21	LOCATING PIN	STAINLESS STEEL T420
22	ORIFICE BUTTON ARM	STAINLESS STEEL T316, ASTM A582
28	PIPE PLUG	STEEL
30	WASHER	STAINLESS STEEL T316, ASTM A240
34	LOCK WASHER	STAINLESS STEEL T316, ASTM A240

NOTE: ALL SPECIFICATIONS AS  
LAST REVISED.

Revised 3-17-06

MATERIALS OF CONSTRUCTION

DATE 7/14/70

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