

TEST PRESSURE  
1.5 TIMES COLD WORKING PRESSURE-CWP

SEE DRAWING NO. VM-15A-M FOR STANDARD MATERIAL OF CONSTRUCTION.

VALVE SIZE	MODEL NO.	INLET SIZE	OUTLET SIZE	CWP P.S.I.	ORIFICE SIZE
1/2"	1/2"-15A	1/2" N.P.T.	1/2" N.P.T.	175	1/16"
3/4"	3/4"-15A.2	3/4" N.P.T.	1/2" N.P.T.	175	1/16"
1"	1"-15A.3	1" N.P.T.	1/2" N.P.T.	175	1/16"

- |    |             |    |                          |
|----|-------------|----|--------------------------|
| 1  | BODY        | 11 | ORIFICE BUTTON           |
| 2  | COVER       | 12 | PIVOT PIN                |
| 3  | LEVER FRAME | 13 | PIN RETAINER (NOT SHOWN) |
| 4  | SEAT        | 14 | PIPE PLUG                |
| 5  | FLOAT       | 17 | FLOAT RETAINER           |
| 6  | GASKET      | 21 | LOCATOR                  |
| 7  | COVER BOLT  | 34 | LOCK WASHER              |
| 10 | FLOAT ARM   |    |                          |

Revision 4-13-98

**AIR RELEASE VALVE** DATE 2-23-87

**VAL-MATIC<sup>®</sup>** VALVE AND MANUFACTURING CORP. DRWG. NO. VM-15A

# AIR RELEASE VALVE

SERIES NO. 15A

## STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY	CAST IRON ASTM A126, CLASS B
2	COVER	CAST IRON ASTM A126, CLASS B
3	LEVER FRAME	STAINLESS STEEL T316, ASTM A240
4	SEAT	STAINLESS STEEL T316, ASTM A276
5	FLOAT	STAINLESS STEEL T316, ASTM A240
6	GASKET	COMPRESSED NON-ASBESTOS FIBER
7	COVER BOLT	ALLOY STEEL SAE, GRADE 5
10	FLOAT ARM	STAINLESS STEEL T316, ASTM A240
11	ORIFICE BUTTON	VITON
12	PIVOT PIN	STAINLESS STEEL T316, ASTM A479
13	PIN RETAINER	STAINLESS STEEL PH 15-7 MO
14	PIPE PLUG	STEEL
17	FLOAT RETAINER	STAINLESS STEEL T316, ASTM F879
21	LOCATOR	STAINLESS STEEL T316, ASTM F593
34	LOCK WASHER	STAINLESS STEEL T316, ASTM A240

NOTE: ALL SPECIFICATIONS AS  
LAST REVISED.

Revised 1-29-03

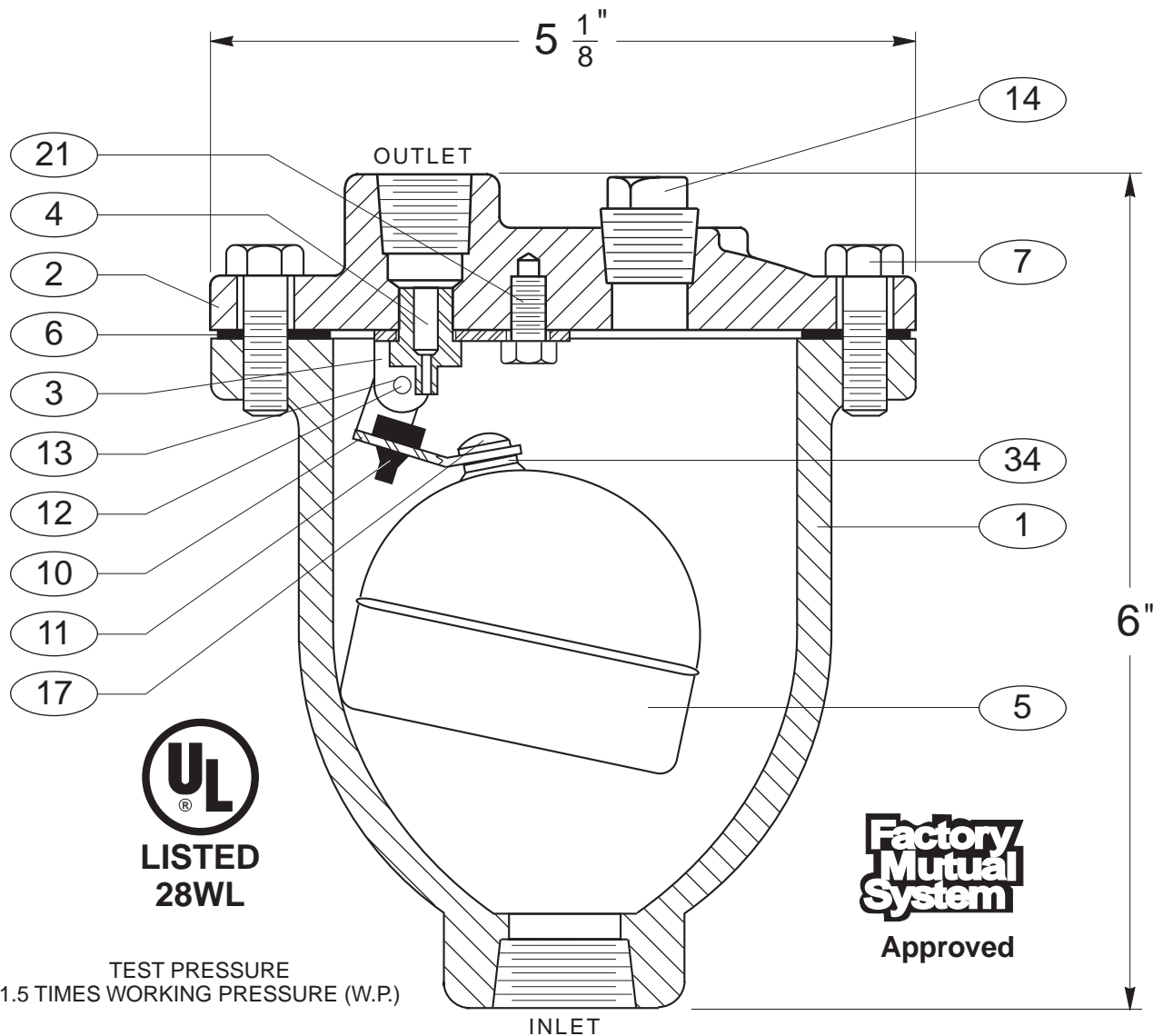
MATERIALS OF CONSTRUCTION

DATE 2/23/87

**VAL-MATIC**<sup>®</sup> VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-15A-M



TEST PRESSURE  
1.5 TIMES WORKING PRESSURE (W.P.)

SEE DRAWING NO. VM-22-M FOR STANDARD MATERIAL OF CONSTRUCTION.

VALVE SIZE	MODEL NO.	INLET SIZE	OUTLET SIZE	MAX. W.P. P.S.I.	ORIFICE SIZE
1/2"-3/4" *	22.4	3/4" N.P.T.	1/2" N.P.T.	175	3/32"
1"	22.3	1" N.P.T.	1/2" N.P.T.	175	3/32"
1/2"	22.7	1/2" N.P.T.	1/2" N.P.T.	300	1/16"
1/2"-3/4"-1" *	22.9	1" N.P.T.	1/2" N.P.T.	300	1/16"

\*When multiple size inlets are indicated for a specific model number, the valve is threaded for the largest size indicated and a reducer bushing is provided for the smaller sizes.

- |   |             |    |                          |
|---|-------------|----|--------------------------|
| 1 | BODY        | 10 | FLOAT ARM                |
| 2 | COVER       | 11 | ORIFICE BUTTON           |
| 3 | LEVER FRAME | 12 | PIVOT PIN                |
| 4 | SEAT        | 13 | PIN RETAINER (NOT SHOWN) |
| 5 | FLOAT       | 14 | PIPE PLUG                |
| 6 | GASKET      | 17 | FLOAT RETAINER           |
| 7 | COVER BOLT  | 21 | LOCATOR                  |
|   |             | 34 | LOCK WASHER              |

Revised 4-13-98

## AIR RELEASE VALVE

DATE 5-8-69



VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-22

# AIR RELEASE VALVE

SERIES NO. 22

## STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY	CAST IRON ASTM A126, CLASS B
2	COVER	CAST IRON ASTM A126, CLASS B
3	LEVER FRAME	STAINLESS STEEL T316, ASTM A240
4	SEAT	STAINLESS STEEL T316, ASTM A276
5	FLOAT	STAINLESS STEEL T316, ASTM A240
6	GASKET	COMPRESSED NON-ASBESTOS FIBER
7	COVER BOLT	ALLOY STEEL SAE, GRADE 5
10	FLOAT ARM	STAINLESS STEEL T316, ASTM A240
11	ORIFICE BUTTON	VITON
12	PIVOT PIN	STAINLESS STEEL T316, ASTM A479
13	PIN RETAINER	STAINLESS STEEL PH 15-7 MO
14	PIPE PLUG	STEEL
17	FLOAT RETAINER	STAINLESS STEEL T316, ASTM F879
21	LOCATOR	STAINLESS STEEL T316, ASTM F593
34	LOCK WASHER	STAINLESS STEEL T316, ASTM A240

NOTE: ALL SPECIFICATIONS AS  
LAST REVISED.

Revised 1-29-03

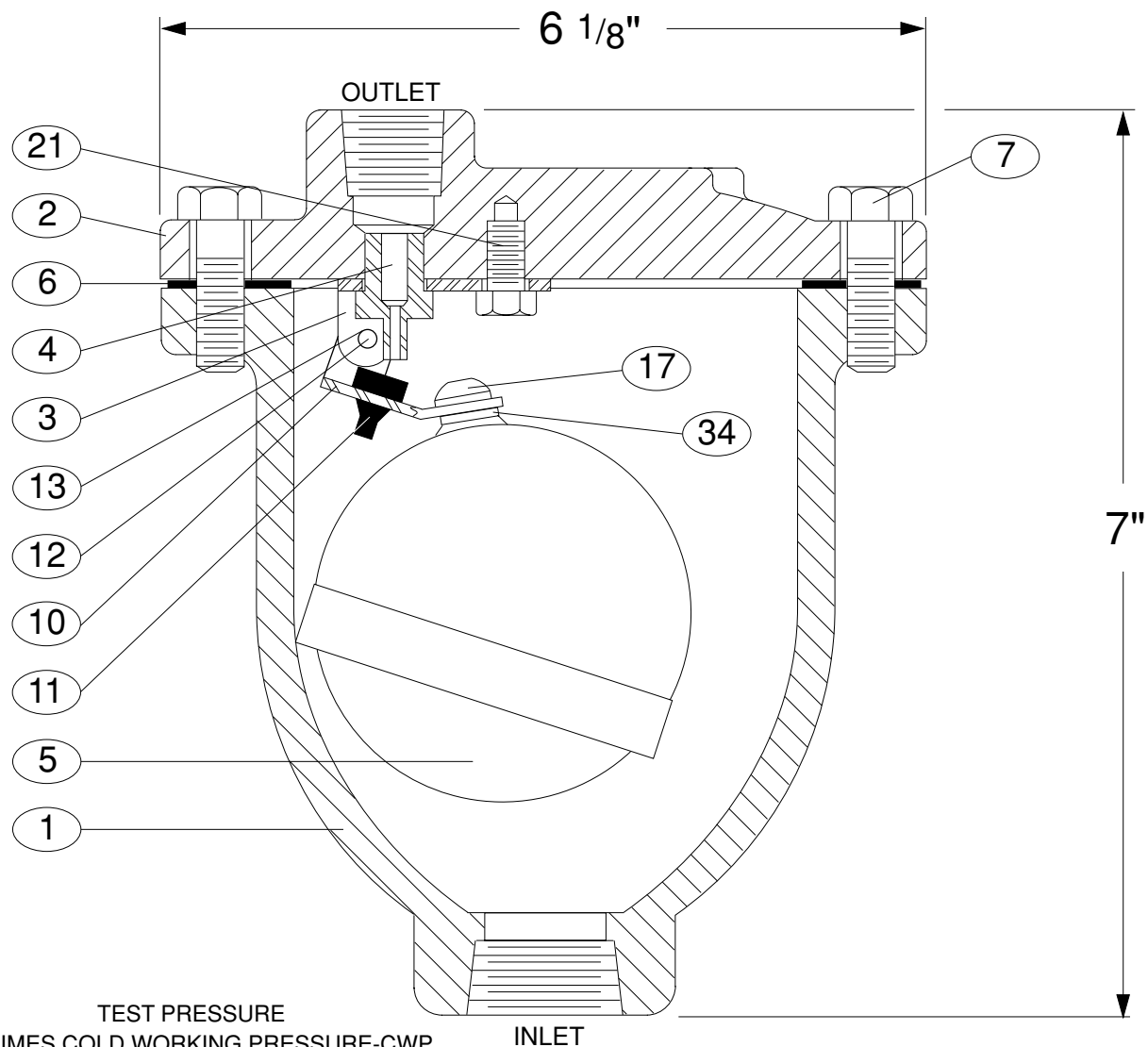
MATERIALS OF CONSTRUCTION

DATE 5/8/69

**VAL-MATIC**<sup>®</sup> VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-22-M



TEST PRESSURE  
1.5 TIMES COLD WORKING PRESSURE-CWP

INLET

SEE DRAWING NO. VM-25-M FOR STANDARD MATERIAL OF CONSTRUCTION.

VALVE SIZE *	MODEL NO.	INLET SIZE	OUTLET SIZE	CWP P.S.I.	ORIFICE SIZE
3/4"-1"	25.5	1" N.P.T.	1/2" N.P.T.	150	1/8"
3/4"-1"	25.6	1" N.P.T.	1/2" N.P.T.	300	3/32"

\* WHEN MULTIPLE SIZE INLETS ARE INDICATED FOR A SPECIFIC MODEL NUMBER THE VALVE IS THREADED FOR THE LARGEST SIZE INDICATED AND A REDUCER BUSHING IS PROVIDED FOR THE SMALLER SIZES.

1	BODY	10	FLOAT ARM
2	COVER	11	ORIFICE BUTTON
3	LEVER FRAME	12	PIVOT PIN
4	SEAT	13	PIN RETAINER (NOT SHOWN)
5	FLOAT	17	FLOAT RETAINER
6	GASKET	21	LOCATOR
7	COVER BOLT	34	LOCK WASHER

Revision 12-22-99

## AIR RELEASE VALVE

DATE 2-4-74

**VAL-MATIC**<sup>®</sup> VALVE AND MANUFACTURING CORP.

DRWG. NO.  
**VM-25**

# AIR RELEASE VALVE

SERIES NO. 25

## STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY	CAST IRON ASTM A126, CLASS B
2	COVER	CAST IRON ASTM A126, CLASS B
3	LEVER FRAME	STAINLESS STEEL T316, ASTM A240
4	SEAT	STAINLESS STEEL T316, ASTM A276
5	FLOAT	STAINLESS STEEL T316, ASTM A240
6	GASKET	COMPRESSED NON-ASBESTOS FIBER
7	COVER BOLT	ALLOY STEEL SAE, GRADE 5
10	FLOAT ARM	STAINLESS STEEL T316, ASTM A240
11	ORIFICE BUTTON	VITON
12	PIVOT PIN	STAINLESS STEEL T316, ASTM A479
13	PIN RETAINER	STAINLESS STEEL PH 15-7 MO
17	FLOAT RETAINER	STAINLESS STEEL T316, ASTM F879
21	LOCATOR	STAINLESS STEEL T316, ASTM F593
34	LOCK WASHER	STAINLESS STEEL T316, ASTM A240

NOTE: ALL SPECIFICATIONS AS  
LAST REVISED.

Revised 1-29-03

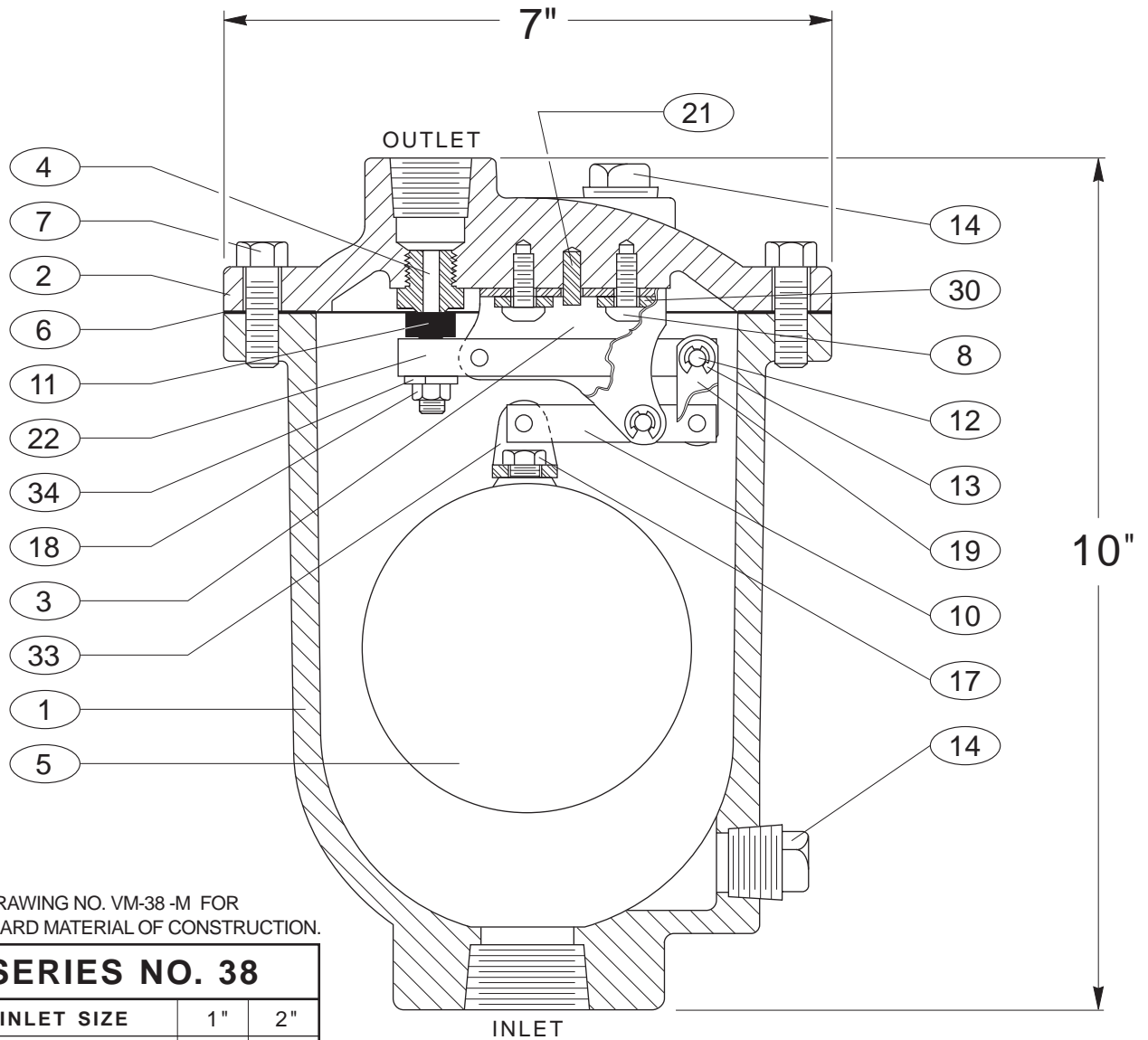
MATERIALS OF CONSTRUCTION

DATE 2/4/74

**VAL-MATIC**<sup>®</sup> VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-25-M



SEE DRAWING NO. VM-38-M FOR  
STANDARD MATERIAL OF CONSTRUCTION.

SERIES NO. 38				
INLET SIZE		1"	2"	
OUTLET SIZE		1/2"	1/2"	
WORKING PRESSURE	150 P.S.I.	MODEL NO.	38	38.2
	C.W.P.	ORIFICE SIZE	3/16"	3/16"
	300 P.S.I.	MODEL NO.	38.5	38.6
	C.W.P.	ORIFICE SIZE	5/32"	5/32"
	400 P.S.I.	MODEL NO.	38HP	38HP.2
	C.W.P.	ORIFICE SIZE	1/8"	1/8"

TEST PRESSURE  
1.5 TIMES COLD WORKING PRESSURE-CWP

- |   |             |    |                 |    |                    |
|---|-------------|----|-----------------|----|--------------------|
| 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  | 30 | WASHER             |
| 6 | GASKET      | 14 | PIPE PLUG       | 33 | CLEVIS             |
| 7 | COVER BOLT  | 17 | FLOAT RETAINER  | 34 | LOCK WASHER        |

Revised 4-13-98

## AIR RELEASE VALVE

DATE 4-1-69

**VAL-MATIC**<sup>®</sup>

VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-38

# AIR RELEASE VALVE

SERIES NOs. 38 & 38HP

## STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY (MODEL 38)	CAST IRON ASTM A126, CLASS B
1	BODY (MODEL 38HP)	DUCTILE IRON ASTM A536, GRADE 65-45-12
2	COVER (MODEL 38)	CAST IRON ASTM A126, CLASS B
2	COVER (MODEL 38HP)	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
30	WASHER	STAINLESS STEEL T316, ASTM A240
33	CLEVIS	STAINLESS STEEL T316, ASTM A240
34	LOCK WASHER	STAINLESS STEEL T316, ASTM A240

NOTE: ALL SPECIFICATIONS AS  
LAST REVISED.

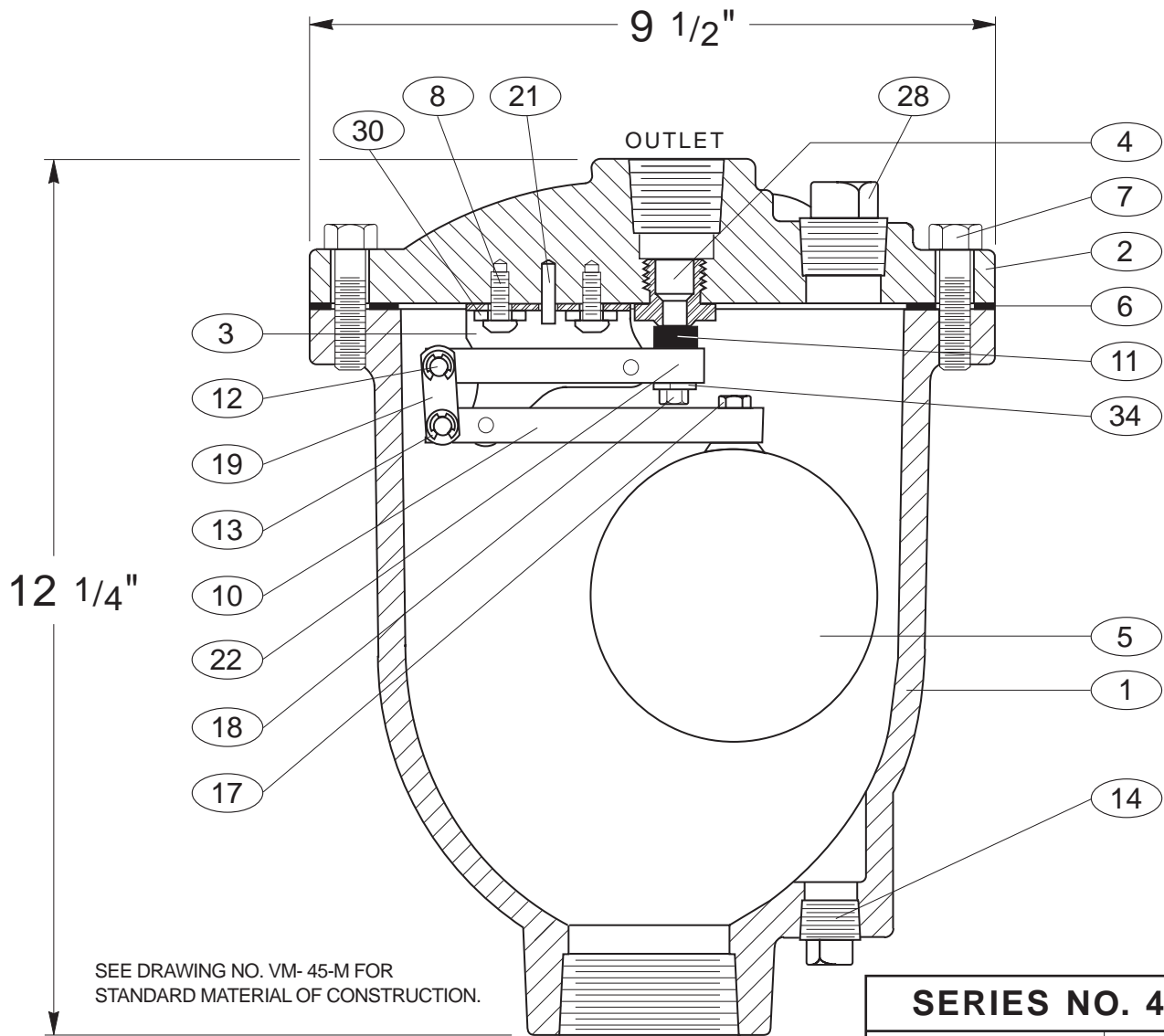
Revised 8-9-03

MATERIALS OF CONSTRUCTION

DATE 4/1/69

**VAL-MATIC**<sup>®</sup> VALVE AND MANUFACTURING CORP.

DRWG. NO.  
**VM-38-M**



TEST PRESSURE  
1.5 TIMES COLD WORKING PRESSURE-CWP

SERIES NO. 45				
INLET SIZE		2"	3"	
OUTLET SIZE		1"	1"	
WORKING PRESSURE	150 P.S.I.	MODEL NO.	45	45.2
	C.W.P.	ORIFICE SIZE	23/64"	23/64"
	300 P.S.I.	MODEL NO.	45.5	45.6
	C.W.P.	ORIFICE SIZE	7/32"	7/32"
	400 P.S.I.	MODEL NO.	45HP	45HP.2
	C.W.P.	ORIFICE SIZE	3/16"	3/16"

- |               |                   |                       |
|---------------|-------------------|-----------------------|
| 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 7-11-69

**VAL-MATIC**<sup>®</sup>

VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-45

# AIR RELEASE VALVE

SERIES NOS. 45 & 45HP

## STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY (MODEL 45)	CAST IRON ASTM A126, CLASS B
1	BODY (MODEL 45HP)	DUCTILE IRON ASTM A536, GRADE 65-45-12
2	COVER (MODEL 45)	CAST IRON ASTM A126, CLASS B
2	COVER (MODEL 45HP)	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	COVER 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	BODY PIPE PLUG	STEEL
30	WASHER	STAINLESS STEEL T316, ASTM A240
34	LOCK WASHER	STAINLESS STEEL T316, ASTM A240

NOTE: ALL SPECIFICATIONS AS  
LAST REVISED.

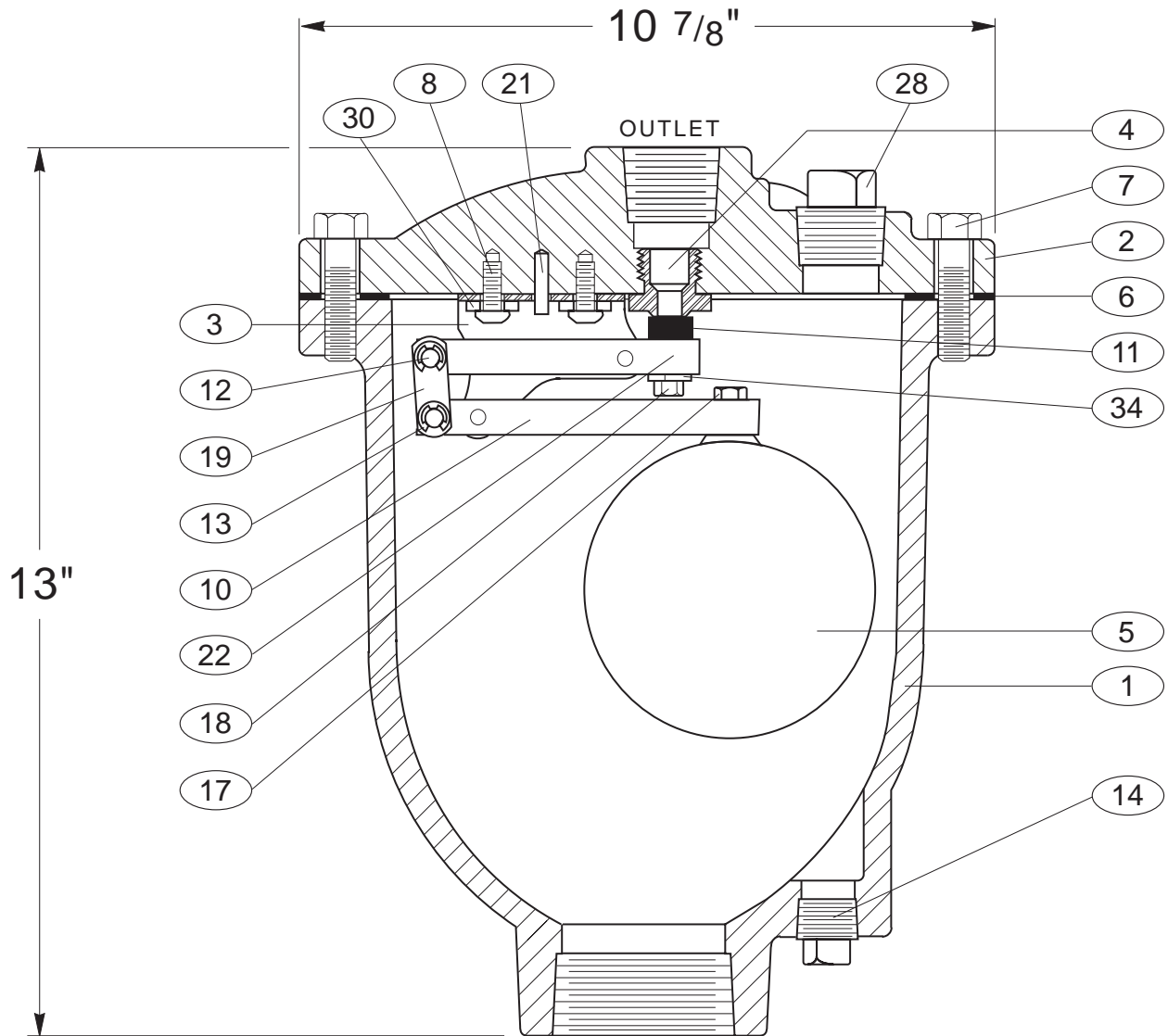
Revised 8-9-03

MATERIALS OF CONSTRUCTION

DATE 7/11/69

**VAL-MATIC**<sup>®</sup> VALVE AND MANUFACTURING CORP.

DRWG. NO.  
VM-45-M



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 T304, ASTM A240
4	SEAT	STAINLESS STEEL T303, ASTM A582
5	FLOAT	STAINLESS STEEL T304, ASTM A240
6	GASKET	COMPRESSED NON-ASBESTOS FIBER
7	COVER BOLT	ALLOY STEEL SAE, GRADE 5
8	RETAINING SCREW	STAINLESS STEEL T304, ASTM F879
10	FLOAT ARM	STAINLESS STEEL T303, ASTM A582
11	ORIFICE BUTTON	STAINLESS STEEL & BUNA-N
12	PIVOT PIN	STAINLESS STEEL T304, ASTM A276
13	RETAINING RING	STAINLESS STEEL PH 15-7 MO
14	PIPE PLUG	STEEL
17	FLOAT RETAINER	STAINLESS STEEL T304, ASTM F593
18	LOCK NUT	STAINLESS STEEL T304, ASTM F594
19	LINK	STAINLESS STEEL T304, ASTM A240
21	LOCATING PIN	STAINLESS STEEL T420
22	ORIFICE BUTTON ARM	STAINLESS STEEL T303, ASTM A582
28	PIPE PLUG	STEEL
30	WASHER	STAINLESS STEEL T304, ASTM A240
34	LOCK WASHER	STAINLESS STEEL T304, ASTM A240

NOTE: ALL SPECIFICATIONS AS  
LAST REVISED.

Revised 1-24-03

MATERIALS OF CONSTRUCTION

DATE 7/14/70

**VAL-MATIC**<sup>®</sup>

VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-50-M