

VALVE SIZE	MODEL NO.				A	B	C
	125 LB. CLASS (CWP)		250 LB. CLASS (CWP)				
3	1803VB/38	150	1853VB/38.5	300	16	15	10
4	1804VB/38	150	1854VB/38.5	300	17 ³ / ₈	15 ⁷ / ₈	11 ¹ / ₄
5	1805VB/38	150	1855VB/38.5	300	18 ³ / ₄	16 ³ / ₄	13
6	1806VB/38	150	1856VB/38.5	300	20	17 ¹ / ₄	14 ¹ / ₄
8	1808VB/38	150	1858VB/38.5	300	22 ³ / ₄	18 ¹ / ₄	18
10	1810VB/38	150	1860VB/38.5	300	25 ⁵ / ₈	19 ³ / ₄	21 ¹ / ₂
12	1812VB/38	150	1862VB/38.5	300	28 ³ / ₄	19 ¹ / ₈	21 ³ / ₈
14	1814VB/38	150	1864VB/38.5	300	30 ⁷ / ₈	19 ⁷ / ₈	22 ³ / ₄
16	1816VB/38	150	1866VB/38.5	300	33 ³ / ₄	21	26 ¹ / ₂

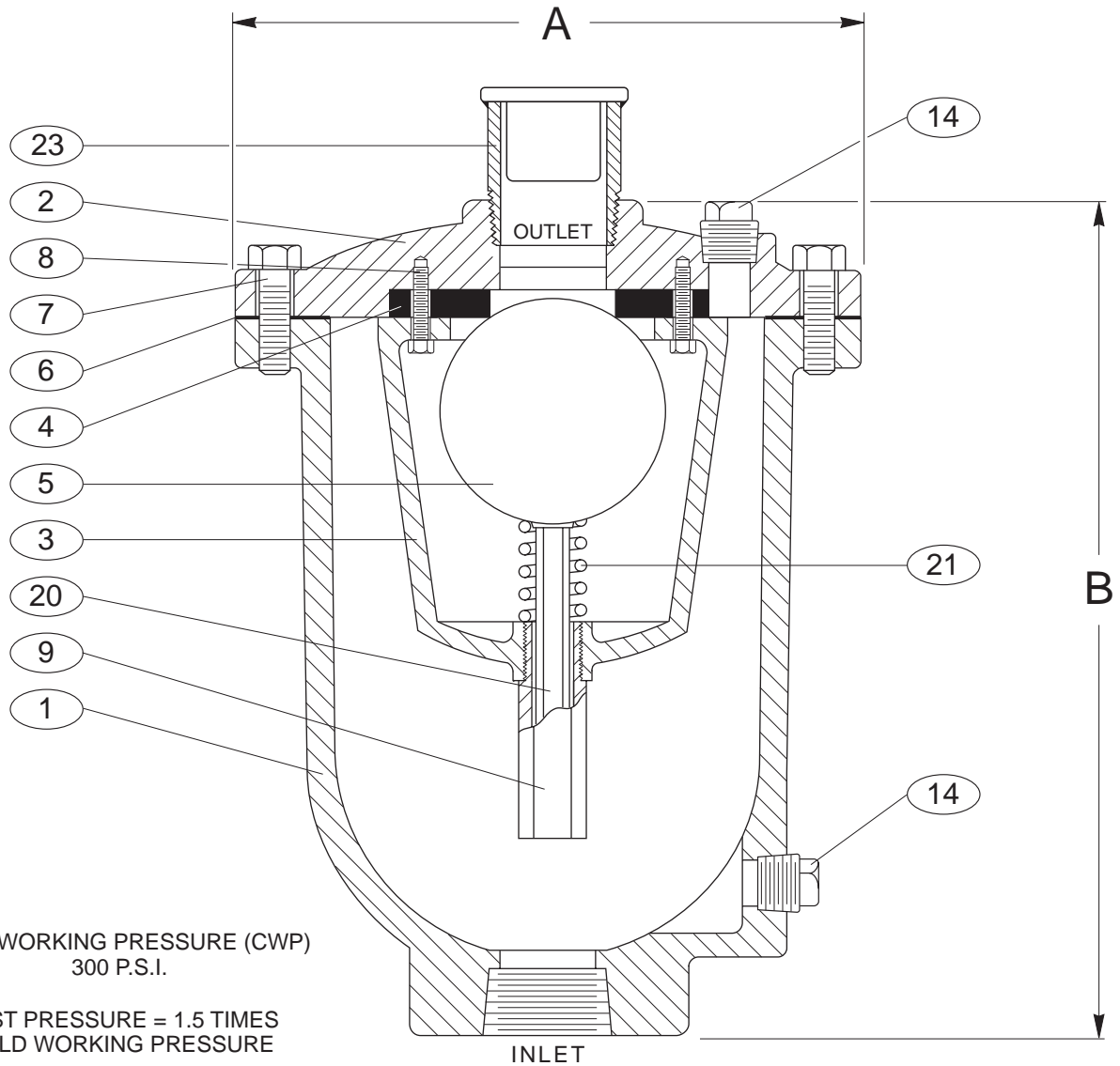
Revised 2-18-02

VACUUM BREAKER WITH AIR RELEASE VALVE

DATE 5-7-73

VAL-MATIC[®] VALVE AND MANUFACTURING CORP.

DRWG. NO.
VM-1800VB/38



COLD WORKING PRESSURE (CWP)
300 P.S.I.

TEST PRESSURE = 1.5 TIMES
COLD WORKING PRESSURE

SEE DRAWING NO. VM-100VB -M FOR STANDARD MATERIALS OF CONSTRUCTION.

VALVE SIZE	MODEL NO.	A	B	INLET SIZE	OUTLET SIZE
1/2"	100VB	6 1/8"	8"	1/2" N.P.T.	1/2" N.P.T.
1"	101VB	7"	11"	1" N.P.T.	1" N.P.T.
2"	102VB	9 1/2"	14"	2" N.P.T.	2" N.P.T.
3"	103VB	9 1/2"	14 1/2"	3" N.P.T.	3" N.P.T.

- | | | | |
|---|------------|----|-----------------|
| 1 | BODY | 8 | RETAINING SCREW |
| 2 | COVER | 9 | GUIDE BUSHING |
| 3 | BAFFLE | 14 | PIPE PLUG |
| 4 | SEAT | 20 | GUIDE SHAFT |
| 5 | FLOAT | 21 | SPRING |
| 6 | GASKET | 23 | HOOD |
| 7 | COVER BOLT | | |

Revised 5-14-98

VACUUM BREAKER AIR VALVES

DATE 9-18-84

VAL-MATIC[®] VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-100VB

VACUUM BREAKER AIR VALVE

1/2" to 3" SERIES NO. 100VB

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	BAFFLE	DUCTILE IRON ASTM A536, GRADE 65-45-12
4	SEAT	BUNA-N
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 F593
9	GUIDE BUSHING	STAINLESS STEEL T303, ASTM A582
14	PIPE PLUG	STEEL
20	GUIDE SHAFT	STAINLESS STEEL T303, ASTM A582
21	SPRING	STAINLESS STEEL T304, ASTM A313
23	HOOD	CARBON STEEL

* STAINLESS STEEL T304, ASTM F879 FURNISHED ON VALVE NO. 100 ONLY

NOTE: ALL SPECIFICATIONS AS
LAST REVISED.

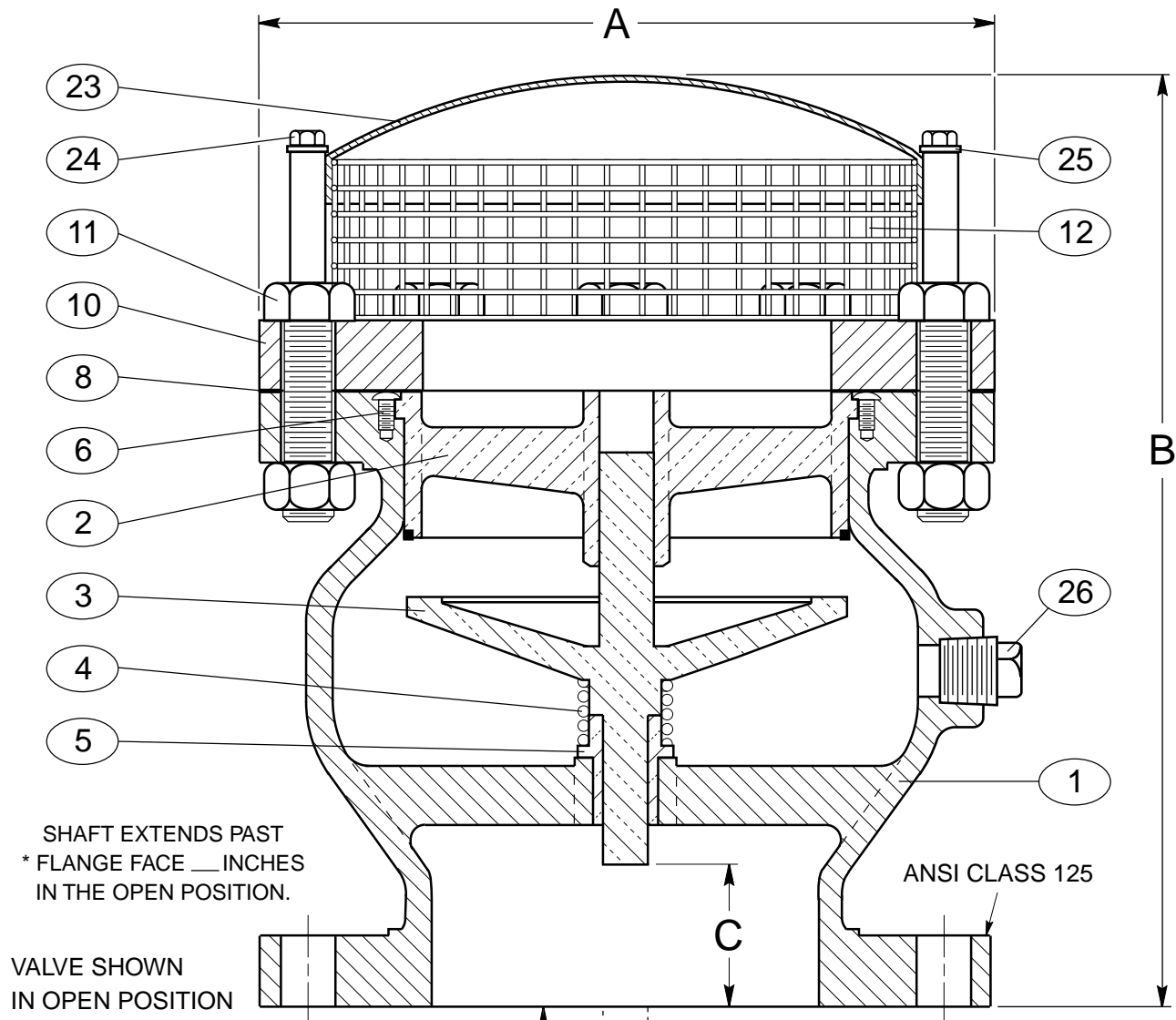
MATERIALS OF CONSTRUCTION

DATE 5/14/98

VAL-MATIC® VALVE AND MANUFACTURING CORP.

DRWG. NO.

VM-100VB-M



SHAFT EXTENDS PAST
* FLANGE FACE ___ INCHES
IN THE OPEN POSITION.

VALVE SHOWN
IN OPEN POSITION

ANSI CLASS 125

SEE DRAWING NO. VM-1800VB-M & VM-1812VB-M
FOR STANDARD MATERIALS OF CONSTRUCTION.

PART NO.	NAME
1	BODY
2	SEAT W/ BUNA-N
3	DISC
4	SPRING
5	BUSHING
6	SEAT RETAINING SCREWS
8	GASKET
10	RING PLATE
11	BOLT AND NUT ASSEMBLY
12	BIRD SCREEN
23	HOOD
24	HOOD RETAINING SCREWS
25	HOOD WASHER
26	PLUG

VALVE SIZE	MODEL NUMBER	CWP (PSI)	A	B	C
2.5	1825 VB	200	7	8 1/2	1
3	1803 VB	200	7 1/2	10	1 3/8
4	1804 VB	200	9	11 1/4	1 3/4
5	1805 VB	200	10	13	2
6	1806 VB	200	11	14 1/4	2 1/2
8	1808 VB	200	13 1/2	18	3 1/4
10	1810 VB	200	16	21 1/2	4 1/4
12	1812 VB	200	19	21 3/8	* 5/8
14	1814 VB	150	21	22 3/4	* 5/16
16	1816 VB	150	23 1/2	26 1/2	* 2 1/8
18	1818 VB	150	25	28 1/4	* 2 1/8
20	1820 VB	150	27 1/2	30 3/4	* 2 3/4
24	1824 VB	150	32	36	* 3 1/2
30	1830 VB	150	38 3/4	43 3/4	* 4 7/8

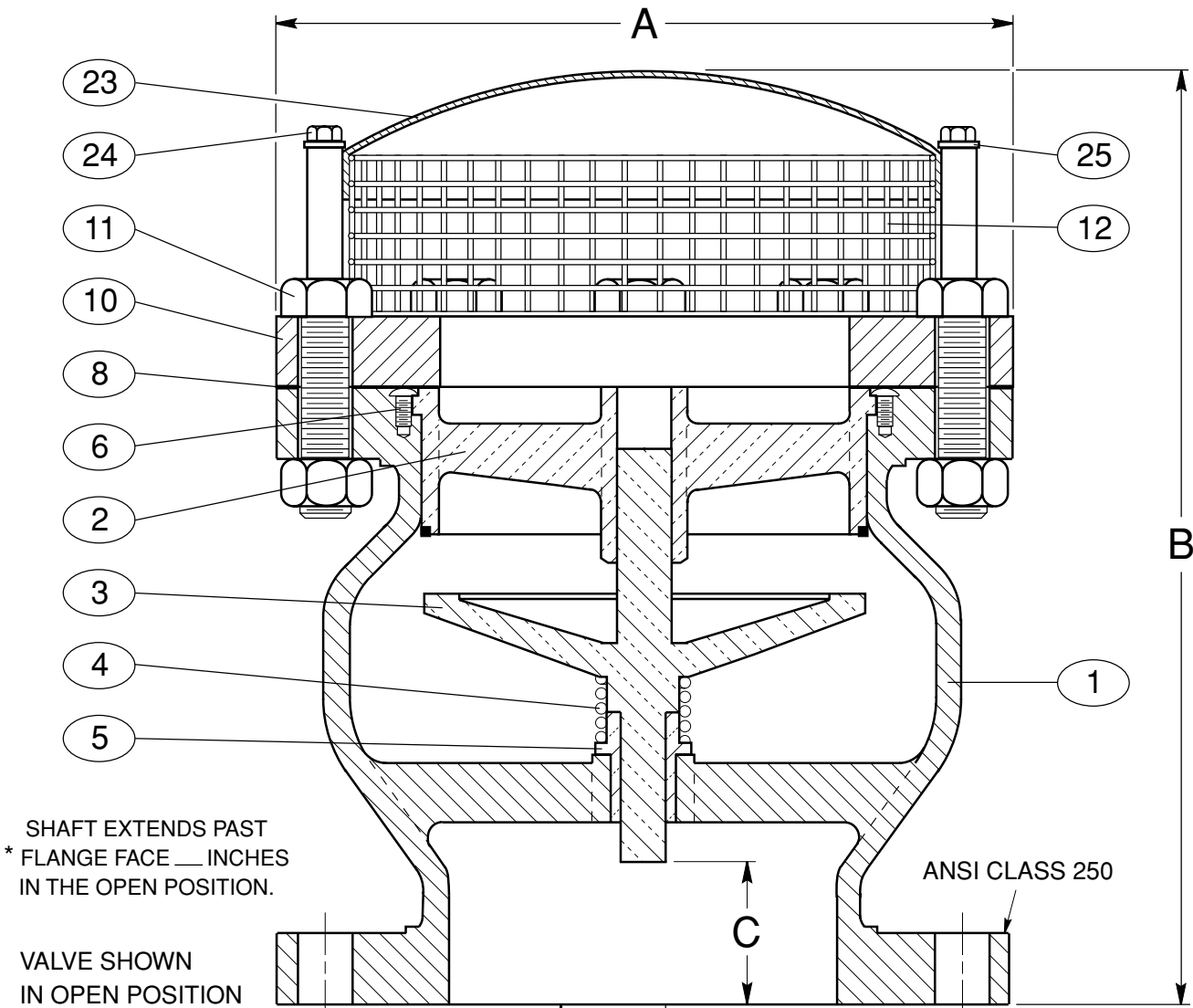
Revised 11-6-02

125 LB. CLASS VACUUM BREAKER

DATE 4-22-83

VAL-MATIC® VALVE AND MANUFACTURING CORP.

DRWG. NO. VM-1800VB



SHAFT EXTENDS PAST
* FLANGE FACE ___ INCHES
IN THE OPEN POSITION.

VALVE SHOWN
IN OPEN POSITION

ANSI CLASS 250

SEE DRAWING NO. VM-1800VB-M & VM-1812VB-M
FOR STANDARD MATERIALS OF CONSTRUCTION.

PART NO.	NAME
1	BODY
2	SEAT W/ BUNA-N
3	DISC
4	SPRING
5	BUSHING
6	SEAT RETAINING SCREWS
8	GASKET
10	RING PLATE
11	BOLT AND NUT ASSEMBLY
12	BIRD SCREEN
23	HOOD
24	HOOD RETAINING SCREWS
25	HOOD WASHER

VALVE SIZE	MODEL NUMBER	CWP (PSI)	A	B	C
2.5	1875 VB	400	7 1/2	8 1/2	1
3	1853 VB	400	8 1/4	10	1 3/8
4	1854 VB	400	10	11 1/4	1 3/4
5	1855 VB	400	11	13	2
6	1856 VB	400	12 1/2	14 1/4	2 1/2
8	1858 VB	400	15	18	3 1/4
10	1860 VB	400	17 1/2	21 1/2	4 1/4
12	1862 VB	400	20 1/2	21 3/8	* 3/4
14	1864 VB	300	23	22 3/4	*1 7/16
16	1866 VB	300	25 1/2	26 1/2	* 2 1/4
18	1868 VB	300	28	28 1/4	* 2 1/4
20	1870 VB	300	30 1/2	30 3/4	*2 15/16
24	1874 VB	300	36	36	* 3 5/8
30	1880 VB	300	43	43 3/4	* 5

Revised 9-18-98

250 LB. CLASS VACUUM BREAKER

DATE 4-3-73

VAL-MATIC VALVE AND MANUFACTURING CORP.

DRWG. NO.
VM-1850VB

VACUUM BREAKER

2.5" - 10" SERIES NO. 1800 ANSI CLASS 125 & 250

STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY	CAST IRON ASTM A126, CLASS B
2	SEAT	BRONZE ASTM B584, ALLOY C83600 WITH BUNA-N SEAL
3	DISC	BRONZE ASTM B584, ALLOY C83600
4	SPRING	STAINLESS STEEL T302, ASTM A313
5	BUSHING	BRONZE ASTM B16, ALLOY C36000
6 *	SEAT RETAINING SCREWS	STAINLESS STEEL T304, ASTM F879
8	GASKET	COMPRESSED NON-ASBESTOS FIBER
10	RING PLATE	STEEL ASTM A36
11	BOLT AND NUT ASSEMBLY	STEEL GRADE 5 - ZINC PLATED
12	BIRD SCREEN	STAINLESS STEEL T304
23	HOOD ASSEMBLY	STEEL #1020
24	HOOD RETAINING SCREWS	STEEL GRADE 2 - ZINC PLATED
25	HOOD WASHER	STEEL - ZINC PLATED
26	PLUG	STEEL

* NOT INCLUDED IN 2.5 SIZE

NOTE: ALL SPECIFICATIONS AS
LAST REVISED.

Revised 11-6-02

MATERIALS OF CONSTRUCTION

DATE 4/3/73

VAL-MATIC[®] VALVE AND MANUFACTURING CORP.

DRWG. NO.
VM-1800VB-M

VACUUM BREAKER

12"-30" SERIES NO. 1800 ANSI CLASS 125 & 250

STANDARD MATERIALS OF CONSTRUCTION

<u>PART NO.</u>	<u>PART NAME</u>	<u>MATERIAL</u>
1	BODY (CLASS 125) BODY (CLASS 250)	CAST IRON ASTM A126, CLASS B DUCTILE IRON ASTM A536, GRADE 65-45-12
2	SEAT	BRONZE ASTM B584, ALLOY C83600 WITH BUNA-N SEAL
3A	DISC STEM	BRONZE ASTM B584, ALLOY C83600
3B	DISC	ALUMINUM BRONZE ASTM B148, ALLOY C95500
4	SPRING	STAINLESS STEEL T302, ASTM A313
5	BUSHING	BRONZE ASTM B584, ALLOY C93200
6	SEAT RETAINING SCREWS	STAINLESS STEEL T304, ASTM F879
8	GASKET	COMPRESSED NON-ASBESTOS FIBER
10	RING PLATE	STEEL ASTM A36
11	BOLT AND NUT ASSEMBLY	STEEL GRADE 5 - ZINC PLATED
12	BIRD SCREEN	STAINLESS STEEL T304
23	HOOD ASSEMBLY	STEEL #1020
24	HOOD RETAINING SCREWS	STEEL GRADE 2 - ZINC PLATED
25	HOOD WASHER	STEEL - ZINC PLATED

NOTE: ALL SPECIFICATIONS AS
LAST REVISED.

REVISED 5-14-98

MATERIALS OF CONSTRUCTION

DATE 4/3/73

VAL-MATIC[®] VALVE AND MANUFACTURING CORP.

DRWG. NO.
VM-1812VB-M