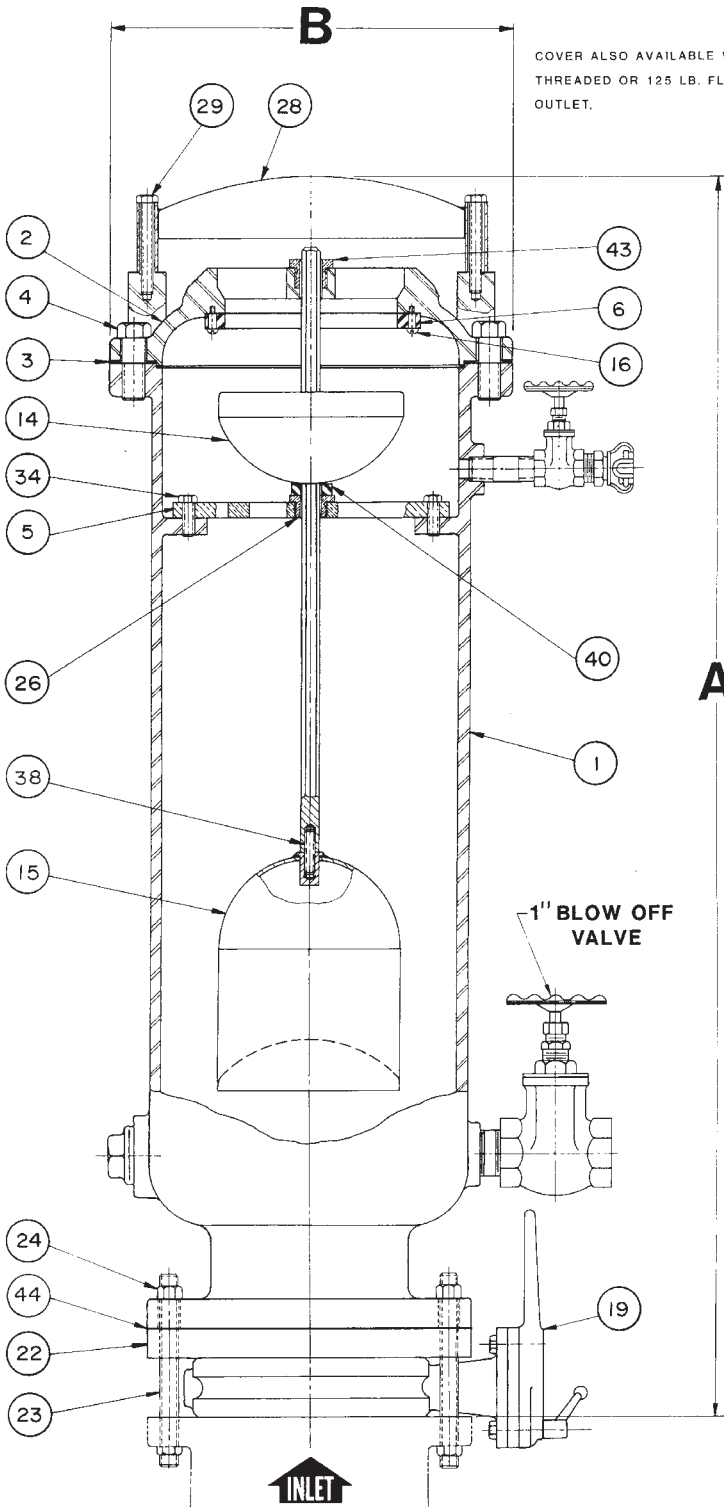


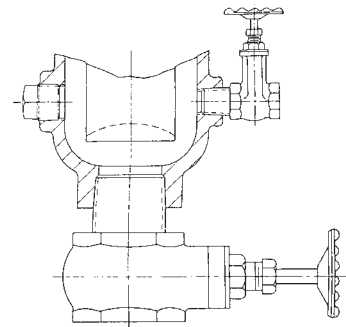
SEWAGE AIR / VACUUM VALVE with ATTACHMENTS



VALVE SIZE	MODEL NO.	125 lb. CLASS				250 lb. CLASS			
		A	B	FLG. HOLES		A	B	FLG. HOLES	
				NO.	DIA.			NO.	DIA.
4"	404WA	35 $\frac{1}{4}$	11 $\frac{1}{8}$	THREADED INLET		37 $\frac{1}{4}$	12	THREADED INLET	
6"	406WA	36 $\frac{1}{2}$	13 $\frac{5}{8}$	8	$\frac{7}{8}$	37 $\frac{1}{2}$	13 $\frac{5}{8}$	12	$\frac{7}{8}$
8"	408WA	40	17 $\frac{1}{4}$	8	$\frac{7}{8}$	41	17 $\frac{1}{4}$	12	1
10"	410WA	45	20	12	1	46 $\frac{1}{4}$	20	16	1 $\frac{1}{8}$
12"	412WA	53 $\frac{1}{2}$	25	12	1	54 $\frac{3}{4}$	25	16	1 $\frac{1}{4}$
14"	414WA	57 $\frac{1}{4}$	29	12	1 $\frac{1}{8}$	58 $\frac{3}{4}$	29	20	1 $\frac{1}{4}$

DET	DESCRIPTION	MATERIAL
1	BODY	CAST IRON ASTM A126 GR.B
2	COVER	CAST IRON ASTM A126 GR.B
3	COVER GASKET	LEXIDE (non-asbestos)
4	COVER BOLT	STEEL ASTM A307 GR.B
5	GUIDE PLATE	STEEL AISI 1018
6	SEAT	BUNA-N
14	UPPER FLOAT	STAINLESS STEEL ASTM A240 T304
15	LOWER FLOAT *	STAINLESS STEEL ASTM A240 T304
16	SEAT RETAINING SCREW	STAINLESS STEEL 18-8
19	ISOLATION BF VALVE	CAST IRON (EXCEPT 4")
22	RETAINING PLATE	STEEL ASTM A36
23	THREADED ROD	STEEL ASTM A307 GR.B
24	RETAINING NUT	STEEL ASTM A563
26	BOTTOM GUIDE BUSHING	STAINLESS STEEL ASTM A582 T303
28	HOOD	STEEL AISI 1010
29	HOOD SCREW	STEEL ASTM A307 GR.B
34	GUIDE PLATE SCREW	STAINLESS STEEL 18-8
38	FLOAT SET SCREW	STAINLESS STEEL 18-8
40	BUMPER	BUNA-N
43	TOP GUIDE BUSHING	STAINLESS STEEL ASTM A582 T303
44	FLANGE GASKET	LEXIDE (non-asbestos)

* CONCAVE FLOAT PATENTED



4" INLET DETAIL

SPECIFY OPERATING PRESSURE _____ PSI

CERTIFIED BY: _____

DATE: _____

DATE
09-01-03

APCO *Willamette*
VALVE AND PRIMER CORPORATION

DRWG. NO.
S-404WA

SPECIFICATIONS OTHER SIDE

APCO[®] SPECIFICATIONS

SERIES 404WA SEWAGE AIR / VACUUM VALVE WITH ATTACHMENTS

Sewage Air / Vacuum Valve shall have a cast iron body and cover with a *CONCAVE FLOAT to permit unrestricted venting of air thru the orifice during filling of the force main and unrestricted entry of air into the force main, thereby preventing vacuum from forming. When force main is filled and pressurized the Sewage Air / Vacuum Valve shall automatically shut off without spilling. The orifice shall be shielded with a steel protector hood - or it shall be threaded or it shall be flanged for piping away to drain or atmosphere. (Engineer to specify).

The Sewage Air / Vacuum Valve shall have two (2) stainless steel floats connected by a common stainless steel float guide to maintain an air gap between the bottom *Concave float and upper flat top shut-off float, thereby retarding the waste media from clogging the shut-off float.

The upper flat top float shall be protected from vacuum impact during vacuum relief by a Buna-N bumper.

The lower float shall be heavily constructed stainless steel (hermetically sealed) and having a *Concave bottom impact area to provide immediate resistance to flow and instant upwards movement to shut off the large orifice "WITHOUT SPILLING".

Each float shall withstand a minimum 500 psi. The inlet of the Sewage Air / Vacuum Valve shall be fitted with a Wafer Style Butterfly Valve for isolation from the force main, blow-off valve and a minimum of 5' of rubber hose with quick disconnects for flushing periodically. The valve body shall have one plugged accessory opening for future use.

The seat shall be resilient Buna-N, retained in place without distortion for tight shut-off or for easy removal.

All materials of construction shall be certified in writing to conform to A.S.T.M. specifications as follows:

Overall heights shall not exceed following:

	<u>4"</u>	<u>6"</u>	<u>8"</u>	<u>10"</u>	<u>12"</u>	<u>14"</u>
125 lb. Cl.	35 $\frac{1}{4}$	36 $\frac{1}{2}$	40	45	53 $\frac{1}{2}$	57 $\frac{1}{4}$
250 lb. Cl.	37 $\frac{1}{2}$	37 $\frac{1}{2}$	41	46 $\frac{1}{4}$	54 $\frac{3}{4}$	58 $\frac{3}{4}$

Body	Cast iron	ASTM A126 Gr. B
Cover	Cast iron	ASTM A126 Gr. B
Floats (upper) flat top	Stainless Steel	ASTM A240 T304
Lower *Concave patented	Stainless steel	ASTM A240 T304
Seat & bumper	Buna-N	Nitrile rubber
Exterior Paint	Universal Primer	FDA Approved for Potable Water

Note: Other materials available.

Valve to be APCO Series 404WA Sewage Air / Vacuum Valve with attachments. (Engineer to select size), as manufactured by Valve & Primer Corp., Schaumburg, Illinois, U.S.A.