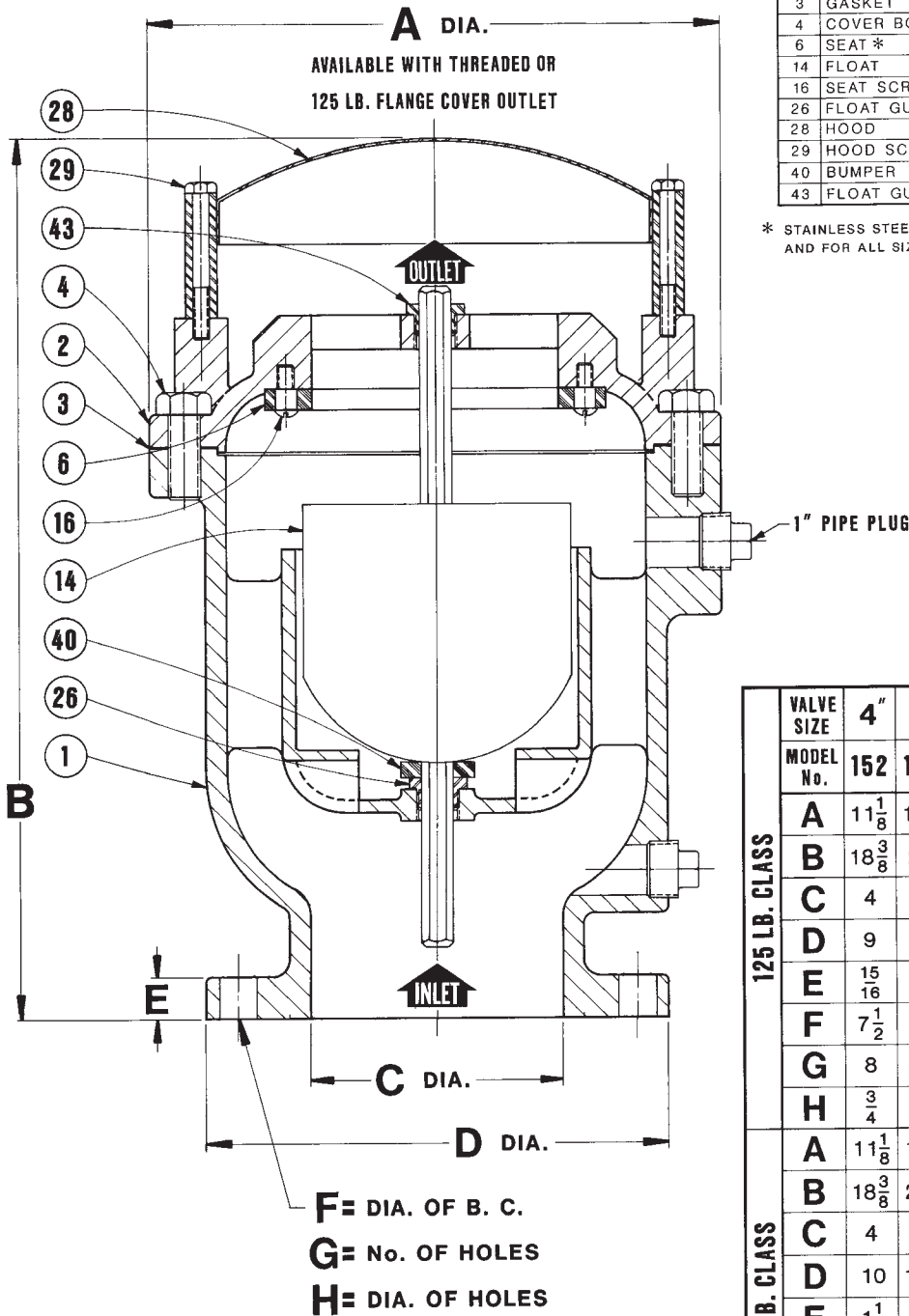
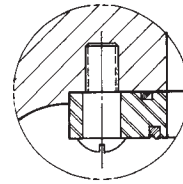


AIR / VACUUM VALVE



DET.	DESCRIPTION	MATERIAL
1	BODY	CAST IRON ASTM A126 Gr. B
2	COVER	CAST IRON ASTM A126 Gr. B
3	GASKET	LEXIDE (NON-ASBESTOS)
4	COVER BOLT	STEEL ASTM A307 Gr. B
6	SEAT *	BUNA-N
14	FLOAT	STAINLESS STEEL ASTM A240 T304
16	SEAT SCREW	STAINLESS STEEL ASTM A582 T303
26	FLOAT GUIDE BUSHING	STAINLESS STEEL ASTM A582 T303
28	HOOD	H. R. S.
29	HOOD SCREW	STEEL ASTM A307 Gr. B
40	BUMPER	BUNA-N
43	FLOAT GUIDE BUSHING	STAINLESS STEEL ASTM A582 T303

* STAINLESS STEEL WITH BUNA-N SEAL FOR 14" & LARGER ON 125 LB. AND FOR ALL SIZES ON 250 LB. CLASS.



SEAT DETAIL
FOR 125 LB: 14" & LARGER
FOR 250 LB: ALL SIZES

VALVE SIZE	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	
	MODEL No.	152	153	154	155	156	157	158	159	160	162
125 LB. CLASS	A	11 ¹ / ₈	13 ⁵ / ₈	17 ¹ / ₄	20	25	29	32	33	40	44
	B	18 ³ / ₈	21	24 ⁵ / ₈	26 ³ / ₄	30 ⁵ / ₈	31	31 ¹ / ₂	56	65 ¹ / ₂	74 ³ / ₈
	C	4	6	8	10	12 ¹ / ₈	14 ¹ / ₈	16	18	20	24
	D	9	11	13 ¹ / ₂	16	19	21	23 ¹ / ₂	25	27 ¹ / ₂	32
	E	15 ¹⁵ / ₁₆	1	1 ¹ / ₈	1 ³ / ₁₆	1 ¹ / ₄	1 ³ / ₈	1 ⁷ / ₁₆	1 ⁹ / ₁₆	1 ¹¹ / ₁₆	1 ⁷ / ₈
	F	7 ¹ / ₂	9 ¹ / ₂	11 ³ / ₄	14 ¹ / ₄	17	18 ³ / ₄	21 ¹ / ₄	22 ³ / ₄	25	29 ¹ / ₂
	G	8	8	8	12	12	12	16	16	20	20
	H	3 ³ / ₄	7 ⁷ / ₈	7 ⁷ / ₈	1	1	1 ¹ / ₈	1 ¹ / ₈	1 ¹ / ₄	1 ¹ / ₄	1 ³ / ₈
250 LB. CLASS	A	11 ¹ / ₈	13 ⁵ / ₈	17 ¹ / ₄	20	25	29	32	33	40	44
	B	18 ³ / ₈	21 ¹ / ₂	25 ¹ / ₈	27 ³ / ₈	30 ⁵ / ₈	31	31 ¹ / ₂	56	65 ¹ / ₂	74 ³ / ₈
	C	4	6	8	10	12 ¹ / ₈	14 ¹ / ₈	16	18	20	24
	D	10	12 ¹ / ₂	15	17 ¹ / ₂	20 ¹ / ₂	23	25 ¹ / ₂	28	30 ¹ / ₂	36
	E	1 ¹ / ₄	1 ⁷ / ₁₆	1 ⁵ / ₈	1 ⁷ / ₈	2	2 ¹ / ₈	2 ¹ / ₄	2 ³ / ₈	2 ¹ / ₂	2 ³ / ₄
	F	7 ⁷ / ₈	10 ⁵ / ₈	13	15 ¹ / ₄	17 ³ / ₄	20 ¹ / ₄	22 ¹ / ₂	24 ³ / ₄	27	32
	G	8	12	12	16	16	20	20	24	24	24
	H	7 ⁷ / ₈	7 ⁷ / ₈	1	1 ¹ / ₈	1 ¹ / ₄	1 ¹ / ₄	1 ³ / ₈	1 ³ / ₈	1 ³ / ₈	1 ⁵ / ₈

CERTIFIED BY: _____

DATE: _____

DATE
09-01-03



DRWG. NO.
S-150

SPECIFICATIONS OTHER SIDE

APCO[®] SPECIFICATIONS

SERIES 150 AIR / VACUUM VALVE

The Air / Vacuum Valve shall be designed to allow large quantities of air to escape out the orifice during filling sequence and to close water tight when the liquid enters the valve. The Air / Vacuum Valve shall also permit large quantities of air to enter thru the orifice when the system is being drained to break the vacuum. The discharge orifice area shall be equal or greater than the inlet area of the valve. The valve shall consist of a body, cover, baffle, float and seat. The cover shall have a male guide ring to fit a counterbore in the body for centering the float into the seat.

The baffle will be an integral part of the body designed to protect the float from direct contact of the rushing air and water during exhausting cycle. The seat* shall be compression molded Buna-N, fastened into a counterbore in the valve cover, with shoulder screws to prevent distortion and permit drop tight shut-off. The seat shall be field replaceable without special tools.

The float shall be stainless steel with one piece center guide stem. The guide stem shall serve to guide the float thru stainless steel top and bottom bushings for positive shut-off into the Buna-N seat.

The Air / Vacuum Valve shall have the outlet covered with a steel protector hood, or it may be threaded, or it may be flanged. (Engineer to select outlet).

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

Body & Cover	(4" thru 16") (18" thru 24")	Cast iron Fabricated steel (or cast)	ASTM A126 Gr. B ASTM A36
Float		Stainless steel	ASTM A240 T304
Seat*	(4" thru 12") (14" and up)	Buna-N Stainless steel w/ Buna-N seal	ASTM A240 T304
Exterior paint		Universal Primer	FDA Approved for Potable Water Contact

* Seat design may vary on certain sizes.

Note: Other materials available.

Valve to be APCO Series 150 Air / Vacuum Valve per Bulletin 601 as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.