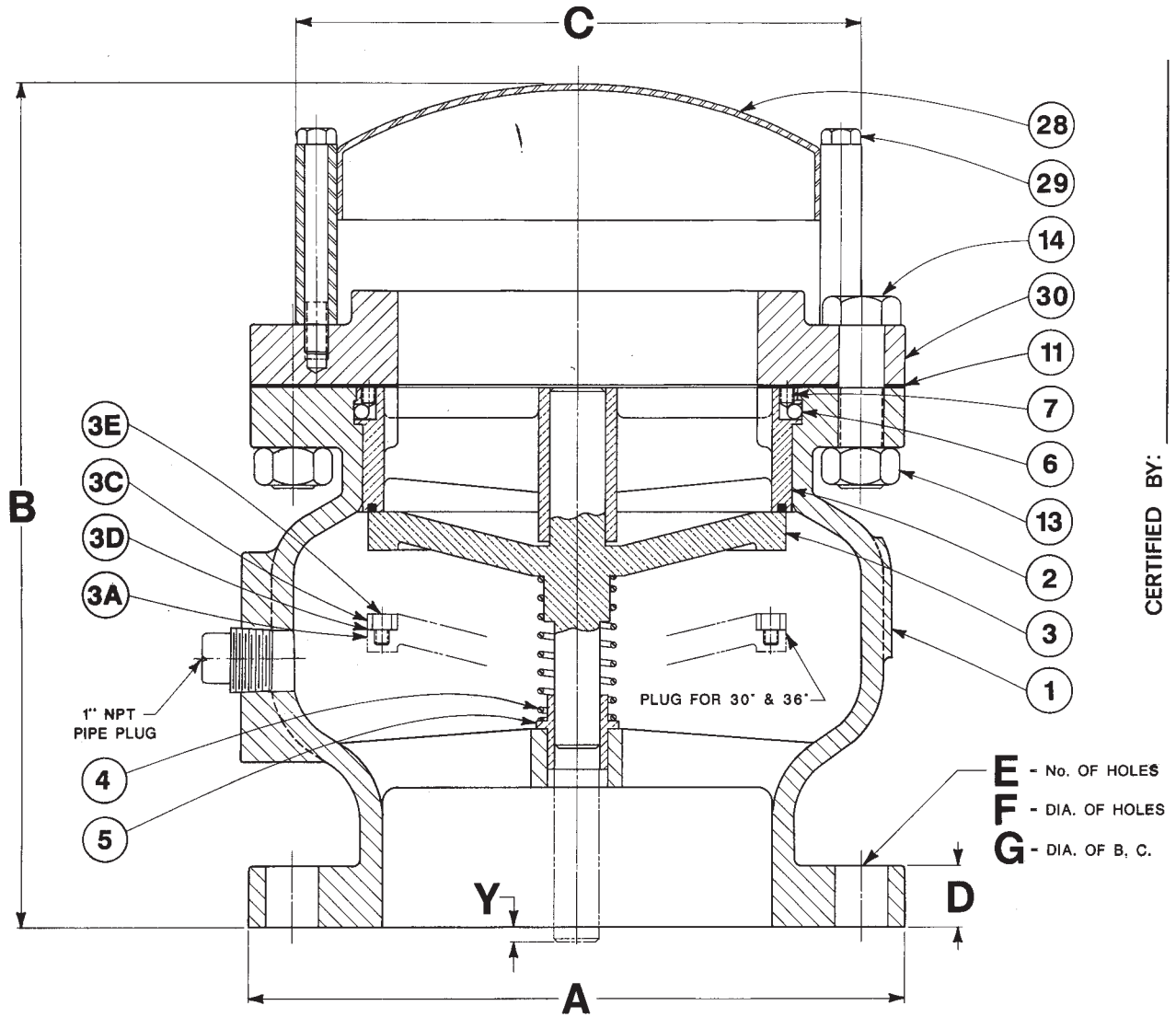


VACUUM RELIEF - AIR INLET VALVE (FLANGED TYPE)



CERTIFIED BY: _____
DATE: _____

E - No. OF HOLES
F - DIA. OF HOLES
G - DIA. OF B, C.

VALVE SIZE	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	
MODEL No.	1503	1504	1505	1506	1508	1510	1512	1514	1516	1518	1520	1524	1530	1536	
125 LB. CLASS	A	7 1/2	9	10	11	13 1/2	16	19	21	23 1/2	25	27 1/2	32	38 3/4	46
	B	11	12 1/2	13 1/2	14	15 5/8	18	20 3/4	23	27 1/2	28 1/2	30 1/2	36	43 5/8	57
	C	6	7	10	10	12	16	18	18	18	24	28	32	38	44
	D	15/16	15/16	15/16	1	1 1/8	1 3/8	1 1/4	1 3/8	1 7/8	1 9/16	1 11/16	1 7/8	2 1/8	2 3/8
	E	4	8	8	8	8	12	12	12	12	16	20	20	28	32
	F	3/4	3/4	7/8	7/8	7/8	1	1	1 1/8	1 1/8	1 1/4	1 1/4	1 3/8	1 3/8	1 5/8
	G	6	7 1/2	8 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	36	42 3/4
Y	0	0	0	0	0	3/8	5/16	0	11/16	1 3/8	1 1/8	2 1/4	3 3/16	0	
250 LB. CLASS	A	8 1/4	10	11	12 1/2	15	17 1/2	20 1/2	23	25 1/2	28	30 1/2	36	43	50
	B	11	12 1/2	14	14 3/4	16 1/8	18 3/4	21 1/2	23 3/4	28 1/4	29 1/2	31 1/2	37	44 7/8	58 1/2
	C	6	7	10	10	12	16	18	18	18	24	28	32	38	44
	D	1 1/8	1 1/4	1 3/8	1 7/8	1 5/8	1 7/8	2	2 1/8	2 1/4	2 3/8	2 1/2	2 3/4	3 5/8	4 1/8
	E	8	8	8	12	12	16	16	20	20	24	24	24	28	32
	F	7/8	7/8	7/8	7/8	1	1 1/8	1 1/4	1 1/4	1 3/8	1 3/8	1 3/8	1 5/8	1 7/8	2 1/8
	G	6 5/8	7 7/8	9 1/4	10 5/8	13	15 1/4	17 3/4	20 1/4	22 1/2	24 3/4	27	32	39 1/4	46
Y	0	0	0	0	0	3/8	5/16	0	11/16	1 3/8	1 1/8	2 1/4	3 3/16	0	

STANDARD VACUUM RELIEF @ 0.25 PSI

SPECIFY WHEN VACUUM RELIEF REQUIRED EXCEEDS 1 PSI

DET.	DESCRIPTION	MATERIAL
1	BODY	CAST IRON ASTM A126 Gr. B
2	SEAT	BRASS ASTM B584
3	PLUG	BRASS ASTM B584
4	SPRING	STAINLESS STEEL ASTM A276 T302
5	BUSHING	BRASS ASTM B584
6	SEAT RETAINING BALL	STAINLESS STEEL ASTM A276 T440
7	SEAT RETAINING SCREW	STAINLESS STEEL 18-8
11	GASKET	LEXIDE (NON-ASBESTOS)
13	FLANGE NUT	STEEL ASTM A307 Gr. B
14	FLANGE BOLT	STEEL ASTM A307 Gr. B
28	HOOD	H. R. S.
29	HOOD BOLT	STEEL ASTM A307 Gr. B
30	FLANGE	CAST IRON ASTM A126 Gr. B
FOR 30" & 36"		
3A	PLUG	DUCTILE IRON ASTM A536 65-45-12
3C	PLUG RING	BRASS ASTM B584
3D	GASKET	LEXIDE (NON-ASBESTOS)
3E	PLUG RING SCREW	STAINLESS STEEL 18-8

DATE
09-01-03

APCO *Willamette*
VALVE AND PRIMER CORPORATION

DRWG. NO.
S-1500

SPECIFICATIONS OTHER SIDE

APCO[®] SPECIFICATIONS

SERIES 1500 VACUUM RELIEF-AIR INLET VALVE (FLANGED TYPE)

The Vacuum Relief-Air Inlet Valve shall have a Globe Style body with integrally cast-on flanged ends. The cross-sectional in-flow area shall be minimum 10% greater than the equivalent pipe size of the valve.

The greater in-flow area shall insure full vacuum relief protection during draining, pipeline rupture or water column separation, due to general power failure. The valve body shall have a minimum 1" N.P.T. plugged opening for future Air Release Valve, if necessary.

The internal valve seat and plug shall be heavy cast brass to prevent failure by corrosion. The seat shall have a molded (not glued) Resilient Buna-N seat for positive shut-off. The plug shall be center guided at both ends to prevent jamming. The plug shall be held normally closed by means of a single stainless steel helical spring. The valve shall open when vacuum in the system exceeds 0.25 psi.

The seat shall be retained in the body with a heavy flange cover and the entire air inlet opening shall be protected with a steel hood to prevent debris from entering the pipeline.

Valve internal parts shall be easily accessible to facilitate replacement without the need of removing valve from the line.

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

Body	Cast iron	ASTM A126 Gr. B
Plug & Seat	Bronze	ASTM B584
Plug (30" & 36")	Ductile iron	ASTM A536 65-45-12
Spring	Stainless steel	ASTM A276 T302
Hood	Commercial steel	
Exterior Paint	Universal metal primer	FDA Approved for Potable Water Contact

Note: Other materials available.

Valve to be APCO Series 1500 Vacuum Relief-Air Inlet Valve (Flanged Type) 3" thru 36", as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.