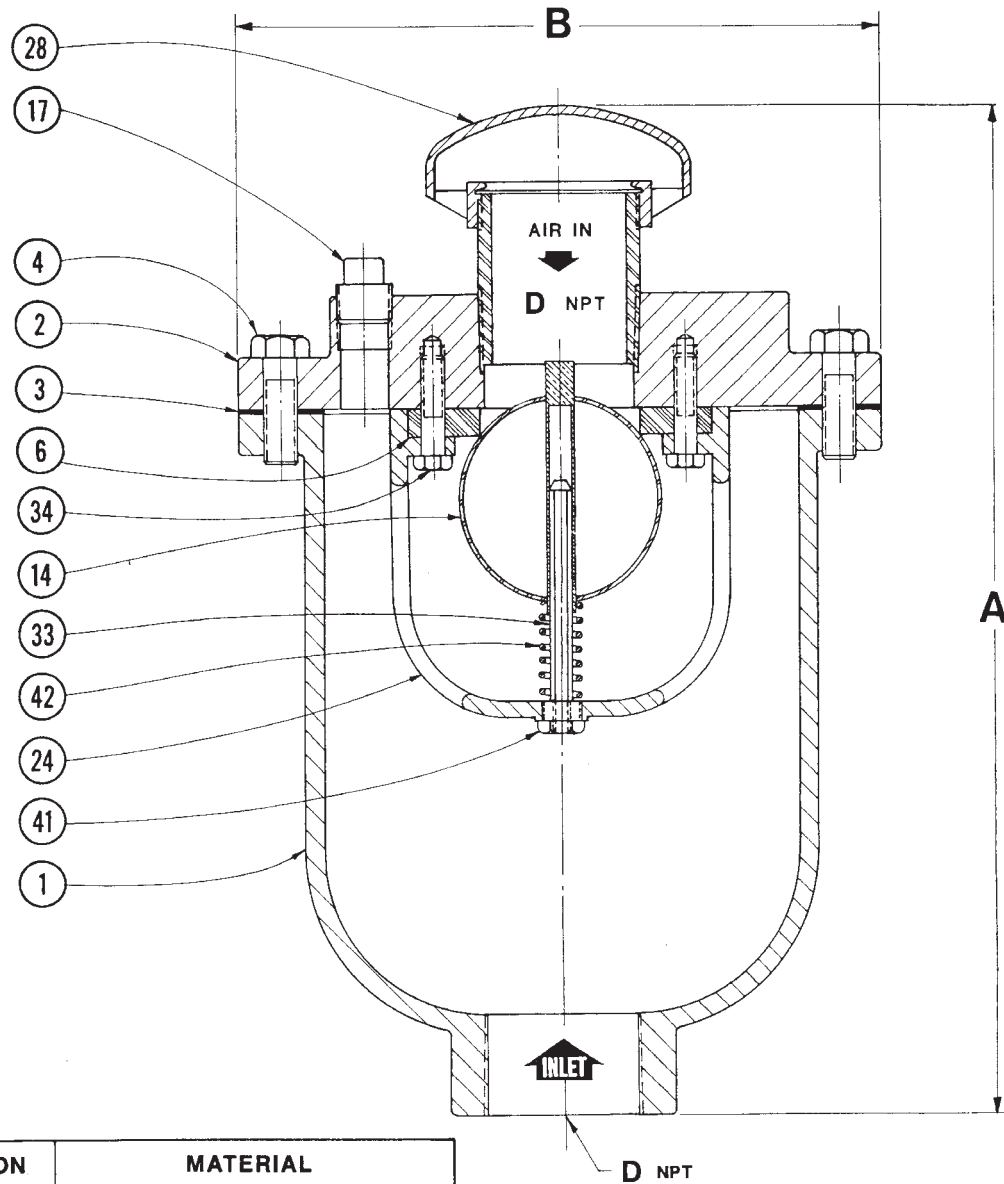


VACUUM RELIEF-AIR INLET VALVE (THREADED TYPE)



CERTIFIED BY: _____
DATE: _____

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 BOLTS	STEEL ASTM A193 GR. B5
6	SEAT	BUNA-N
14	FLOAT	STAINLESS STEEL ASTM A240 T304
17	PIPE PLUG ¹	STEEL
24	BAFFLE ²	DELTRIN D4181
28	HOOD ASSEMBLY	GALVANIZED IRON
33	FLOAT GUIDE	BRASS ASTM B16
34	SEAT SCREW	STAINLESS STEEL 18-8
41	BAFFLE PLUG	BRASS ASTM B16
42	SPRING	STAINLESS STEEL ASTM A276 T316

VALVE SIZE	MODEL No.	A	B	D
1/2"	1500,5T	12 1/2	5	1/2
1"	1501T	14	7	1
2"	1502T	17	9 1/2	2
3"	1503T	20	9 1/2	3

STANDARD VACUUM RELIEF @ 0.25 PSI
SPECIFY WHEN VACUUM RELIEF REQUIRED EXCEEDS 1.0 PSI

¹ PIPE PLUG IS NOT REQUIRED ON SIZE 1/2".
² STANDARD MATERIAL ON SIZE 3" IS CAST IRON ASTM A48 CL. 30.

DATE
09-01-03

APCO *Willamette*
VALVE AND PRIMER CORPORATION

DRWG. NO.
S-1500T

SPECIFICATIONS OTHER SIDE



SPECIFICATIONS

SERIES 1500T VACUUM RELIEF - AIR INLET VALVE (THREADED TYPE)

The Vacuum Relief-Air Inlet Valve shall consist of a body, cover, baffle, float, seat and stainless steel spring. The valve shall also be equipped with a galvanized iron hood to prevent debris from entering the pipeline. The Valve cover shall have " N.P.T. plugged opening for future air release connection, if necessary.

The inflow area seat shall be Buna-N, fastened to the cover without distortion and be field replaceable without special tools. The float shall be stainless steel designed to withstand 500 psi or more. The float shall be center guided for positive drop tight shut-off and be normally closed by means of a stainless steel spring.

The valve orifice shall open allowing air to enter when under a pressure differential not to exceed 0.25 psi. The orifice inflow area must be equal to or greater than the valve inlet size.

The greater inflow area shall insure full vacuum relief protection during draining, pipeline rupture or water column separation, due to general power failure.

Valve exterior to be Prime Coated (two part) Epoxy for maximum resistance to corrosion. Epoxy Prime Coat shall be compatible with any field applied finish Epoxy Coating.

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

Body & cover	Cast Iron	ASTM A126 Gr. B
Baffle (½", 1", 2")	Delrin	D4181
Baffle (3")	Cast Iron	ASTM A48 CL. 30
Float*	Stainless Steel	ASTM A240
Seat	Buna-N	Nitrile Rubber
Spring	Stainless Steel	ASTM A276
Hood	Galvanized Iron	Commercial Grade

* Float design may vary on certain sizes

Note: Other materials available.

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