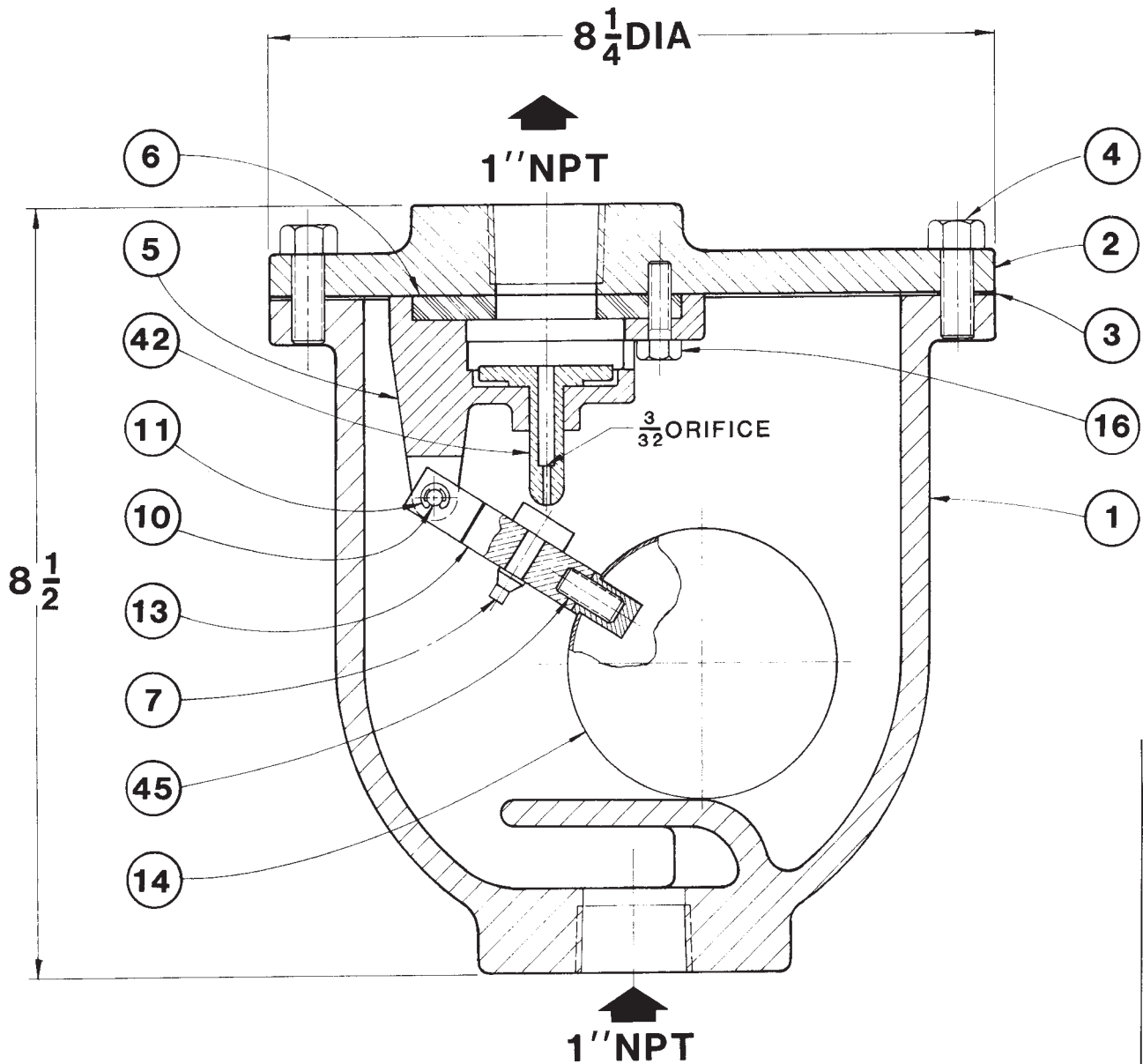


No. 133 (1" - 125 LB.) COMBINATION AIR VALVE



DET	DESCRIPTION	MATERIAL
1	BODY	CAST IRON ASTM A48 CL.30
2	COVER	CAST IRON ASTM A48 CL.30
3	COVER GASKET	LEXIDE (NON-ASBESTOS)
4	COVER BOLT	STEEL ASTM A307 GR.B
5	LEVER FRAME	DELFIN ASTM D4181
6	SEAT	BUNA-N
7	NEEDLE	BUNA-N
10	LEVER PIN	STAINLESS STEEL ASTM A240
11	RETAINING RING	STAINLESS STEEL COMM'L.
13	FLOAT LEVER	BRASS ASTM B16
14	FLOAT	STAINLESS STEEL ASTM A240
16	LEVER FRAME SCREW	STAINLESS STEEL
42	PLUG	BRASS ASTM B124
45	FLOAT RETAINING SCREW	STAINLESS STEEL

RATING

125# CLASS
MAX. C. W. P. 200 PSI.
SHELL TEST 350 PSI. VALVE
VALVE WT. 27 LB.

CERTIFIED BY: _____

DATE: _____

DATE
09-01-03



DRWG. NO.
S-133

SPECIFICATIONS OTHER SIDE



SPECIFICATIONS

NO. 133 (1"-125 Lb.) COMBINATION AIR VALVE

Combination Air Valve (single body, double orifice) allows large volumes of air to escape out the large 1" diameter air / vacuum orifice when filling a pipeline and closes water tight when the liquid enters the valve. During large orifice closure, the small 3/32" diameter air release orifice will open to allow small pockets of air to escape automatically and independently of the large orifice.

The large air / vacuum orifice shall also allow large volumes of air to enter through the orifice during pipeline drainage to break the vacuum. The body inlet must be baffled to protect the lower float from direct contact of the rushing air and water to prevent premature valve shut-off. The top large orifice plug must be protected in similar manner for the same purpose.

The Buna-N seat must be fastened to the valve cover without distortion, for drop tight shut-off. The float shall be heavy stainless steel, hermetically sealed, designed to withstand a minimum of 1000 psi (static). The top plug shall be center guided thru a hex bushing for positive shut-off.

Valve exterior to be painted with a Universal Primer for high resistance to corrosion.

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

Body & Cover	Cast Iron	ASTM A48, Class 30
Float*	Stainless Steel	ASTM A240
Needle & Seat	Buna-N	
Plug	Bronze	ASTM B124
Leverage Frame	Delrin	ASTM D4181

***Float design may vary on certain sizes**

Valve to be APCO NO. 133 (1"-125 LB.) Combination Air Valve, as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S. A.