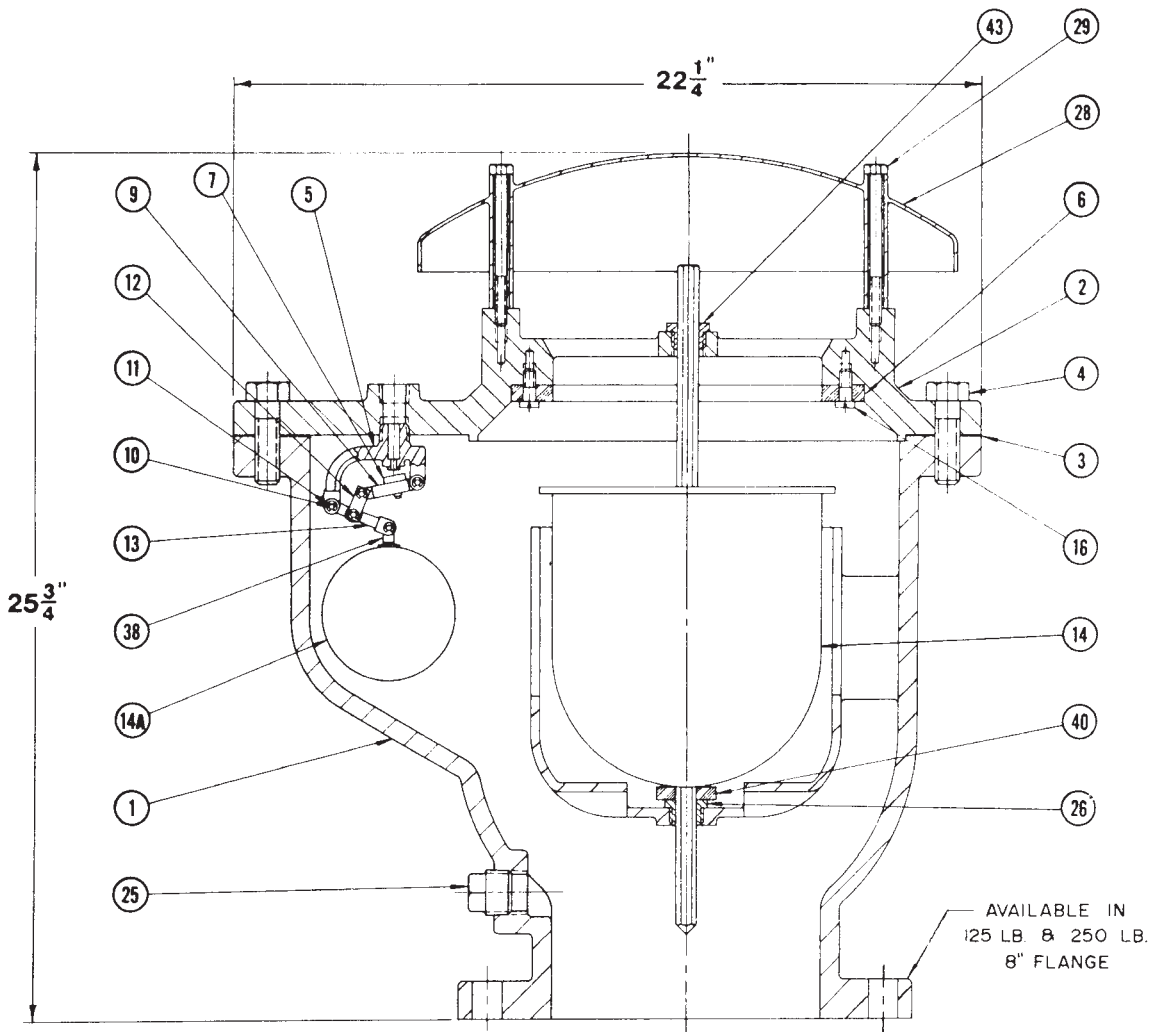


8"-151C COMBINATION AIR VALVE



CERTIFIED BY: _____
DATE: _____

AIR RELEASE LEVERAGE ASSEMBLY	
ORIFICE	OPENING PRESSURE
5" 32	300 P.S.I
3" 16	150 P.S.I

WIDTH = 17 1/2"
WEIGHT = 300 LBS.

DET.	DESCRIPTION	MATERIAL
1	BODY	CAST IRON
2	COVER	CAST IRON
3	COVER GASKET	LEXIDE
4	COVER BOLT	STEEL
5	LEVERAGE FRAME	STAINLESS STEEL
6	SEAT	BUNA-N
7	NEEDLE	BUNA-N
9	NEEDLE LEVER	STAINLESS STEEL
10	CONNECTING PIN	STAINLESS STEEL
11	RETAINING RING	STAINLESS STEEL
12	CONNECTING LINK	STAINLESS STEEL

DET.	DESCRIPTION	MATERIAL
13	FLOAT LEVER	STAINLESS STEEL
14	LARGE FLOAT	STAINLESS STEEL
14A	SMALL FLOAT	STAINLESS STEEL
16	SEAT SCREW	STAINLESS STEEL
25	DRAIN PLUG	MALLEABLE IRON
26	BOTTOM BUSHING	STAINLESS STEEL
28	HOOD	STEEL
29	HOOD SCREW	STEEL
38	FLOAT SPUD ADAPTOR	BRASS
40	BUMPER	BUNA-N
43	TOP BUSHING	STAINLESS STEEL

DATE
09-01-03



DRWG. NO.
S-151C

SPECIFICATIONS OTHER SIDE



SPECIFICATIONS

8" - 151C COMBINATION AIR VALVE

Combination Air Valve (single body, double orifice) allows large volumes of air to escape out the large 8" diameter air vacuum orifice when filling a pipeline and close water tight when the liquid enters the valve. During large orifice closure, the small 5/32" 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 large orifice float must be surrounded by a baffle for protection against direct contact of the rushing air and water to prevent premature valve shut-off.

The Buna-N seat must be fastened to the valve cover without distortion for drop tight shut-off. The small orifice air release valve shall be an independently operated compound lever mechanism of precision cast stainless steel. Both floats shall be heavy stainless steel, hermetically sealed. The large orifice float shall be center guided with a heavy hex rod thru stainless steel bushings for positive shut-off.

Valve exterior to be painted 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 A126, Gr.B
Float*	Stainless steel	ASTM A240
Needle & Seat	Buna-N	
Leverage Mechanism	Stainless steel	ASTM A296 T316

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

Note: Other materials available.

Valve to be APCO Model 8" - 151C Combination Air Valve as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.