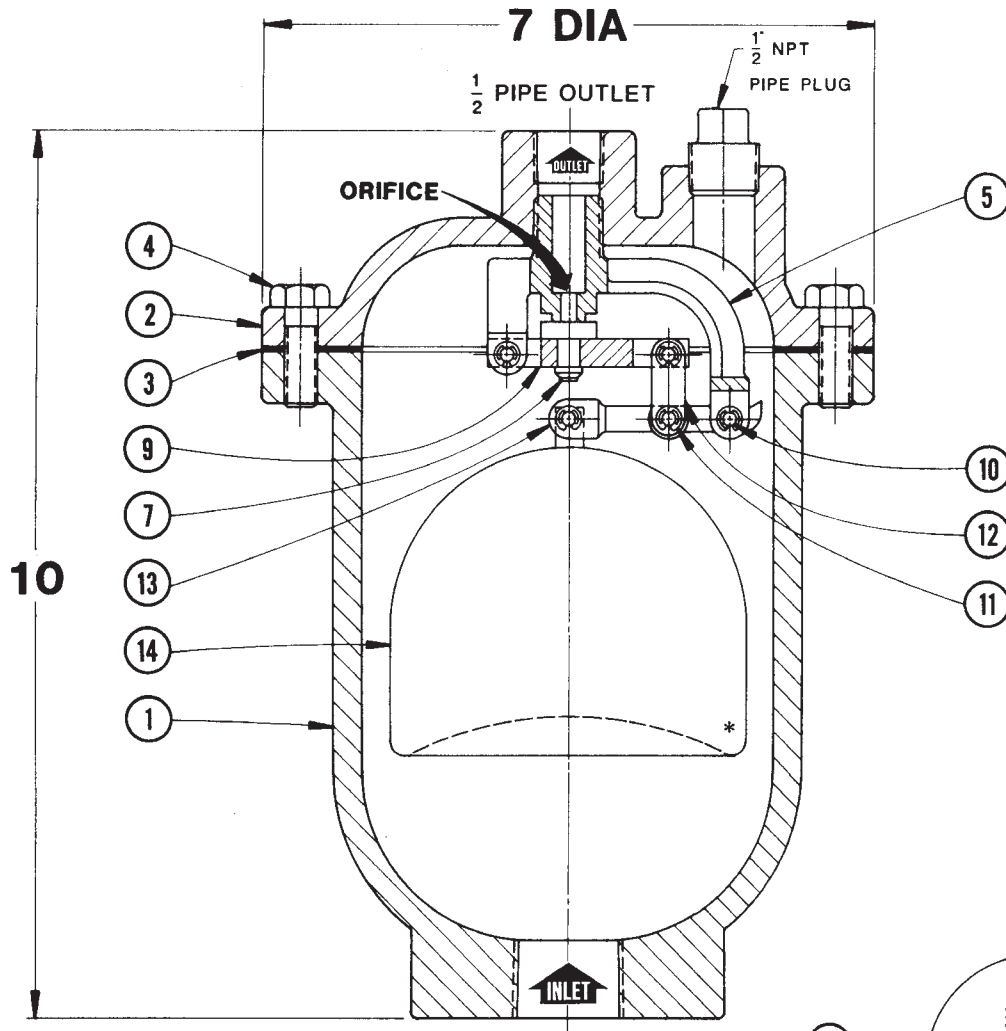
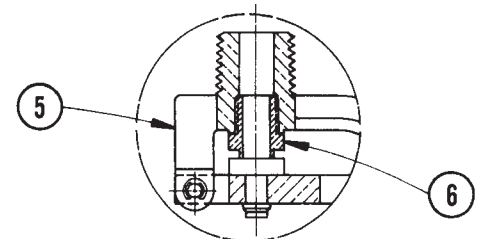


200A AIR RELEASE VALVE



CERTIFIED BY: _____

DATE: _____



SEAT DETAIL
FOR $\frac{5}{16}$ ORIFICE

INLET-ORIFICE
SELECTION CHART

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 A193 Gr. B
5	LEVERAGE FRAME	DELTRIN ASTM D4181
6	SEAT (ORIFICE ONLY)	BRASS ASTM B16
7	NEEDLE	BUNA-N
9	NEEDLE LEVER	DELTRIN ASTM D4181
10	LEVER PIN	STAINLESS STEEL ASTM A581 T303
11	RETAINING RING	STAINLESS STEEL 15-7Mo
12	CONNECTING LINK	NYLON
13	FLOAT LEVER	DELTRIN ASTM D4181
14	FLOAT *	STAINLESS STEEL ASTM A240 T304

WEIGHT = 20 LBS.

* CONCAVE FLOAT PATENTED

OPERATING PRESSURE, psi.	ORIFICE DIA., in.	INLET SIZE	
		1" NPT	2" NPT
0 TO 50	$\frac{5}{16}$		
51 TO 150	$\frac{3}{16}$	STD.	
151 TO 300	$\frac{5}{32}$		

DATE
09-01-03

APCO *Willamette*
VALVE AND PRIMER CORPORATION

DRWG. NO.
S-200A

SPECIFICATIONS OTHER SIDE



SPECIFICATIONS

200A AIR RELEASE VALVE

The Air Release Valve shall operate (open) while pressurized, allowing entrained air to escape from the water pipeline, pump or reservoir tank thru the air release orifice. After entrained air escapes thru the air release orifice, the valve orifice shall be closed by a needle mounted on the compound lever mechanism actuated by a CONCAVE FLOAT to prevent water from escaping. The air release valve will then stay closed until more air accumulates in it and the opening cycle will repeat automatically.

The needle shall be Buna-N for tight shut-off and be resilient to prevent seepage due to pipeline or pump vibrations.

The Air Release Valve compound internal lever mechanism shall be all Stainless Steel or Bronze or Delrin (Engineer to select one). All other internals must be stainless steel. The stainless steel float must be CONCAVE and sufficiently buoyant to operate water and be SPURT FREE.

The valve shall withstand 500 psi test pressure and have a 3/16" orifice for operating (opening) pressure up to 150 psi. The venting capacity @ 150 psi shall be 55° CFFAM.

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
Concave float patented	Stainless Steel	ASTM A240 T304
Needle	Buna-N	Nitrile Rubber
Internal Linkage	Stainless Steel (Engineer to Select One)	ASTM A296, T316
	or Bronze	ASTM B584
	or Delrin	ASTM D4181
Exterior Paint	Universal Metal Primer	

Note: Other materials available.

Valve to be APCO 200A Air Release Valve as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.