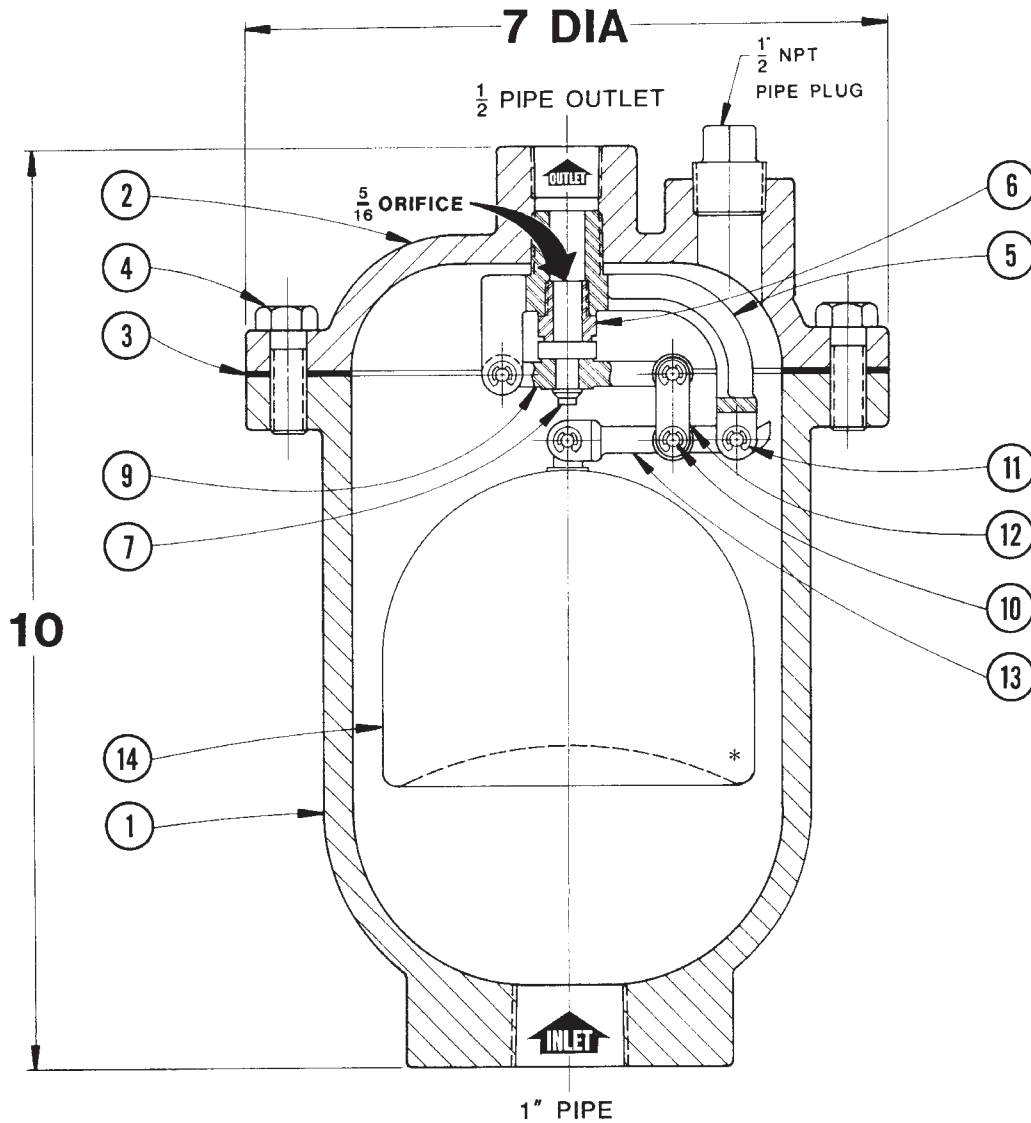


200AP V-APCO PRIMING VALVE



CERTIFIED BY: _____
DATE: _____

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	STAINLESS STEEL ASTM A296 T316
6	SEAT ($\frac{5}{16}$ ORIFICE ONLY)	STAINLESS STEEL ASTM A276 T303
7	NEEDLE	BUNA-N
9	NEEDLE LEVER	STAINLESS STEEL ASTM A296 T316
10	LEVER PIN	STAINLESS STEEL ASTM A276 T303
11	RETAINING RING	STAINLESS STEEL 15-7Mo
12	CONNECTING LINK	STAINLESS STEEL ASTM A276 T316
13	FLOAT LEVER	STAINLESS STEEL ASTM A351 T316
14	FLOAT *	STAINLESS STEEL ASTM A240 T304

WEIGHT = 20 LBS.

CONCAVE FLOAT
* PATENTED

DATE
09-01-03



DRWG. NO.
S-200AP

SPECIFICATIONS OTHER SIDE



SPECIFICATIONS

200AP V-APCO PRIMING VALVE

The Priming Valve shall be a normally open valve during initial start to establish prime to centrifugal pumps and system. Air shall be drawn from the pipeline suction and pump volute thru the priming valve orifice, due to the negative pressure created by the V-APCO Priming Sytem. After all entrained air has been evacuated through the priming valve orifice, media shall enter the priming valve and cause the orifice to be closed by the resilient needle mounted on the compound lever mechanism actuated by a CONCAVE FLOAT to prevent the media from escaping. The Priming Valve will then remain closed until air accumulates inside the valve and the opening cycle shall repeat automatically. The Priming Valve shall have a resilient 45° durometer needle and CONCAVE stainless steel float of maximum bouyancy to maintain tight orifice shut-off and prevent seepege due to pump running vibrations and be SPURT FREE.

The Priming Valve compound internal lever frame shall be all stainless steel to prevent corrosion.

The Priming Valve shall withstand 500 psi test pressure and have a 5/15" orifice for operating (opening) pressure up to 50 psi. The venting capacity @ 50 psi shall be 55° CFFAM.

The Priming Valve shall have a 1" NPT inlet, a ½" NPT outlet and one plugged ½" NPT opening.

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
Lever Frame	Stainless steel	ASTM A296, T316
FLOAT CONCAVE PATENTED	Stainless steel	ASTM A240, T304
Needle	Buna-N	
Exterior Paint	Universal Primer	FDA Approved for Potable Water

Valve to be APCO 200AP V-APCO Priming Valve, as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.