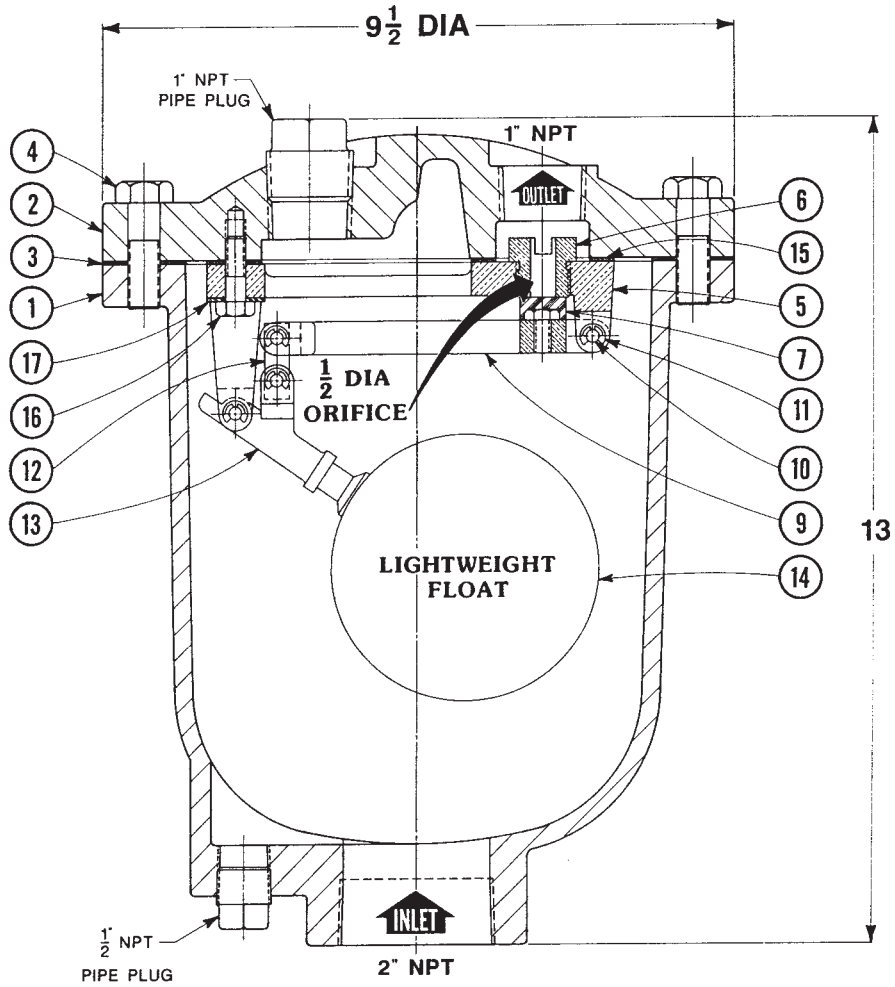


# 2" - 200P V-APCO PRIMING VALVE



WEIGHT = 50 LBS.

## VENTING CAPACITY

VACUUM, Hg	1/2"	1"	2"	4"	6"	8"	10"	12"	16"	20"
C F F A M	10	14	19	28	35	43	48	53	63	75

MAXIMUM WORKING PRESSURE = 75 PSI

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 BOLT	STEEL ASTM A307 Gr. B
5	LEVERAGE FRAME	BRONZE ASTM 584
6	SEAT	BRASS ASTM B16 C36000
7	NEEDLE	BUNA-N
9	NEEDLE LEVER	BRONZE ASTM B584 C92200
10	LEVER PIN	STAINLESS STEEL ASTM A581 T303
11	RETAINING RING	STAINLESS STEEL PH15-7Mo
12	CONNECTING LINK	BRASS ASTM B16 C36000
13	FLOAT LEVER	BRONZE ASTM B584
14	FLOAT	STAINLESS STEEL ASTM A240 T304
15	LEVERAGE FRAME GASKET	LEXIDE ( Non-Asbestos )
16	LEVERAGE FRAME BOLT	STAINLESS STEEL 18-8
17	LEVERAGE FRAME WASHER	STAINLESS STEEL 18-8

DATE  
09-01-03



DRWG. NO.  
S-200P

SPECIFICATIONS OTHER SIDE



# SPECIFICATIONS

## 2" - 200P 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 by the V-APCO Priming System. After all air has been evacuated thru the orifice, media shall enter the valve and cause the valve orifice to be closed by a resilient needle mounted on the compound lever mechanism and prevent the media from escaping into the vacuum piping header. The Priming Valve will then remain closed until air accumulates inside the Valve and the initial cycle shall repeat automatically. The Priming Valve shall have a light-weight stainless steel float for maximum buoyancy to maintain tight shut off and minimize seepage due to pump vibrations.

The Priming Valve compound internal lever mechanism shall be bronze and other internal parts shall be stainless steel to prevent corrosion.

The Priming Valve shall withstand 300 psi test pressure and have 1/2" orifice. The venting capacity @ 20 inches of vacuum shall be 75 CFFAM.

The Priming Valve shall have a 2" NPT inlet, a 1" NPT outlet and have two (2) threaded openings for accessories.

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
Internal Mechanism	Bronze	ASTM B584
Float (light-weight)	Stainless Steel	ASTM A240 Type 304
Needle	Buna-N	
Exterior paint	Universal Primer	FDA Approved for Potable Water contact

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