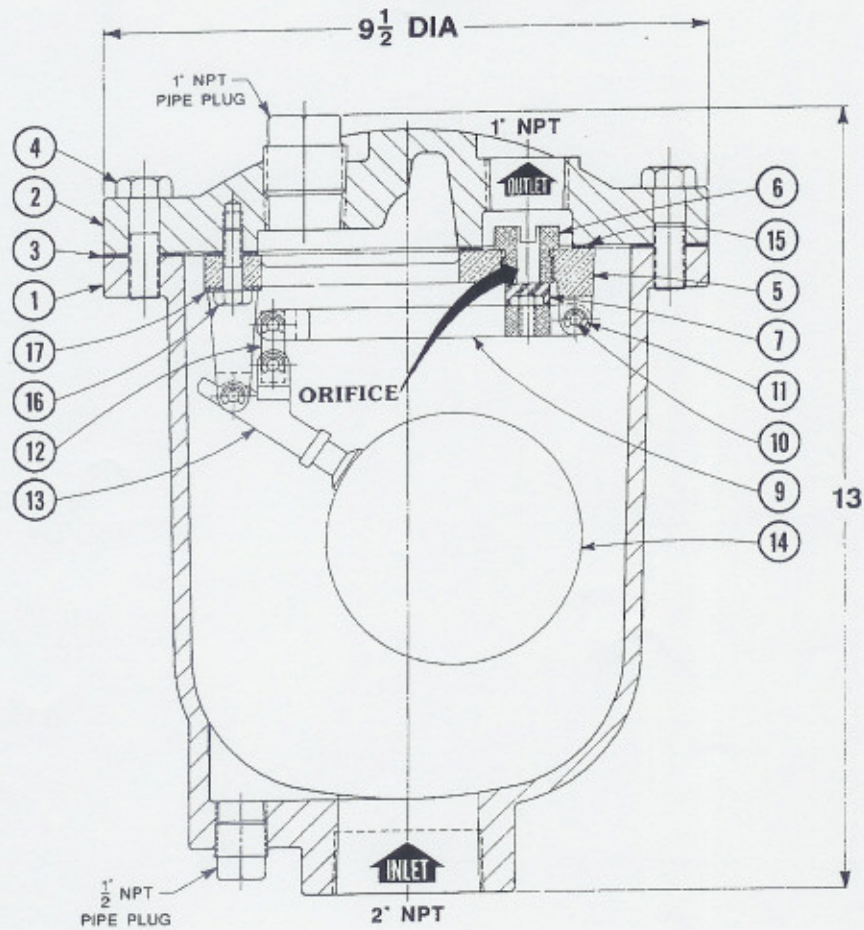


2" -200 AIR RELEASE VALVE



WEIGHT = 45 lbs.

ORIFICE SELECTION CHART

| OPERATING PRESSURE P. S. I. | ORIFICE DIA. | VENTING CAPACITY C. F. M. |
|--------------------------------|--------------|------------------------------|
| 0 TO 75 | 1 2 | 215 |
| 76 TO 150 | 3 8 | 201 |
| 151 TO 300 | 7 32 | 130 |

STD.

| 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 | STAINLESS STEEL ASTM A351 (T316) CF8M |
| 6 | SEAT | STAINLESS STEEL ASTM A582 T316 |
| 7 | NEEDLE | BUNA-N |
| 9 | NEEDLE LEVER | STAINLESS STEEL ASTM A351 (T316) CF8M |
| 10 | LEVER PIN | STAINLESS STEEL ASTM A582 T303 |
| 11 | RETAINING RING | STAINLESS STEEL PH15-7Mo |
| 12 | CONNECTING LINK | STAINLESS STEEL ASTM A582 T316 |
| 13 | FLOAT LEVER | STAINLESS STEEL ASTM A351 (T316) CF8M |
| 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 |

CERTIFIED BY: _____

DATE: _____

DATE
05-02-06

APCO *Williamette*
VALVE AND PRIMER CORPORATION

DRWG. NO.
S-200

SPECIFICATIONS OTHER SIDE



SPECIFICATIONS

2" - 200 AIR RELEASE VALVE

The Automatic Air Release Valve shall operate (open) under pressure and allow entrapped air to escape from a pipeline, pump, tank or water system. After air escapes out of the air release valve orifice, the valve orifice shall close by means of a compound lever mechanism 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 resist leakage due to pipeline or pump vibrations.

The air release valve compound internal lever mechanism shall be bronze. All other internals must be stainless steel to positively prevent corrosion. The stainless steel float must withstand a minimum pressure of 1000 psi (static).

The valve body shall withstand 450 psi shell test and 150 psi working pressure with a 3/8" orifice. For 300 psi operating (opening) pressure, the orifice shall be 7/32" diameter. (Engineer to specify orifice).

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 | Stainless Steel | ASTMA351 T316 |
| Float | Stainless steel | ASTMA240 T304 |
| Needle | Buna-N | |
| Exterior Paint | Universal Primer | FDA Approved for Potable Water |

Note: Other materials available.

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