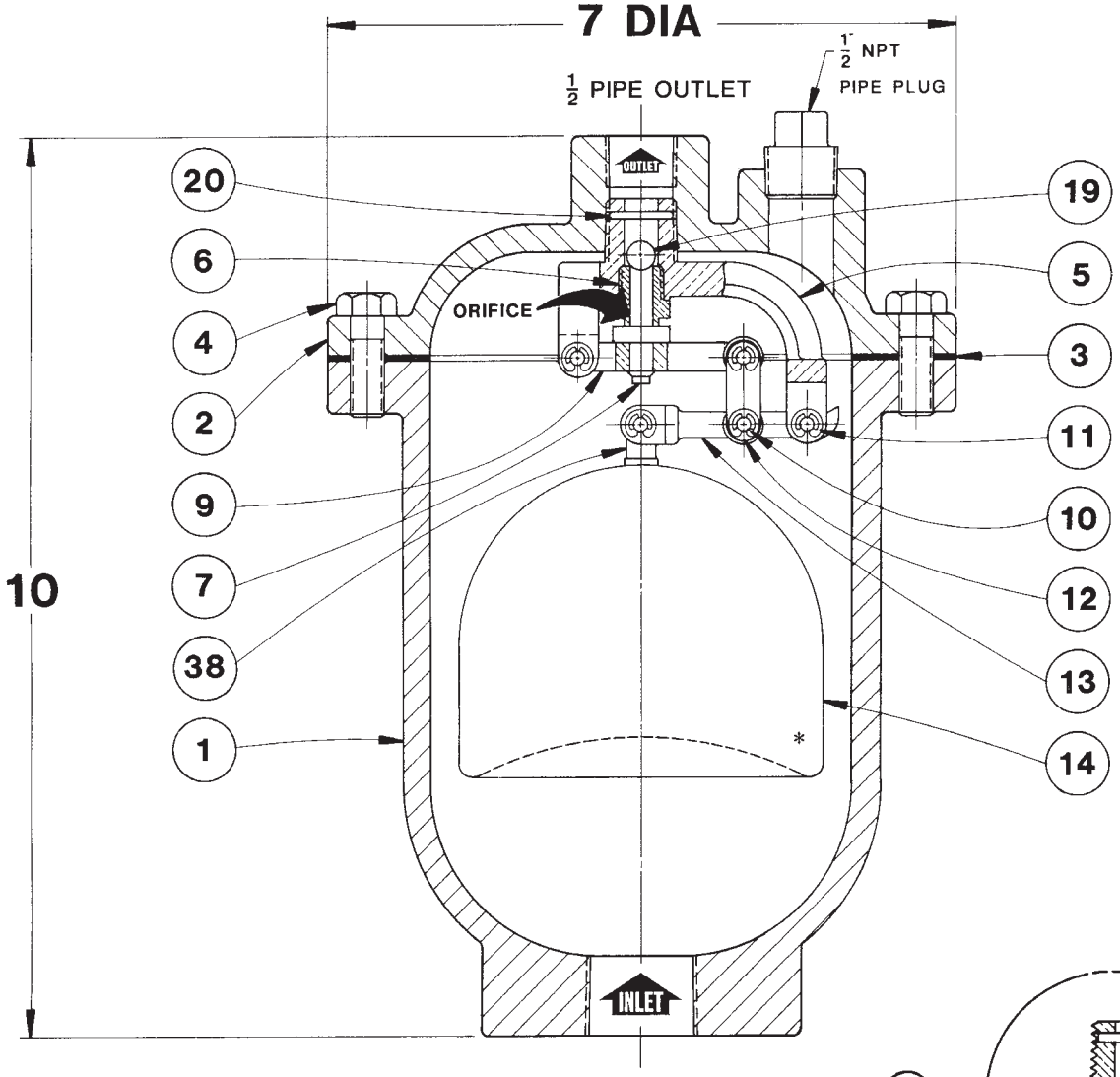
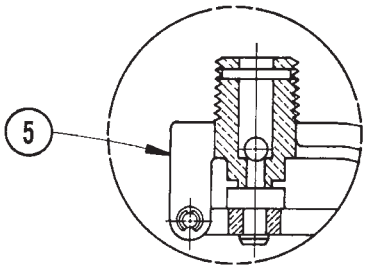
200AF AIR RELEASES VALVE (FOR FUEL SERVICE)



CERTIFIED BY: _____ DATE: _____



SEAT DETAIL & VACUUM CHECK
FOR 1/4 ORIFICE OR LESS

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 A296 T316
6	SEAT (5/16 ORIFICE ONLY)	STAINLESS STEEL ASTM A276 T316
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
19	VACUUM BALL	STAINLESS STEEL ASTM A276 T440
20	VACUUM BALL RETAINER	STAINLESS STEEL ASTM A276
38	FLOAT SPUD ADAPTER	STAINLESS STEEL T316

WEIGHT = 20 LBS.

* CONCAVE FLOAT PATENTED

INLET-ORIFICE
SELECTION CHART

OPERATING PRESSURE, psi.	ORIFICE DIA., in.	INLET SIZE	
		1" NPT	2" NPT
0 TO 50	5/16	STD.	
51 TO 75	1/4		
76 TO 100	3/16		
101 TO 300	3/32		

DATE		DRWG. NO.
09-01-03	APCO Willamette VALVE AND PRIMER CORPORATION	S-200AF

SPECIFICATIONS OTHER SIDE

September 1, 2003

SPECIFICATIONS

200AF AIR RELEASE VALVE (FOR FUEL SERVICE)

The Air Release Valve shall operate (open) while pressurized entrained air to escape from the fuel 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 CON-CAVE FLOAT to prevent fuel from escaping. The Air Release Valve shall have a built-in air check device to prevent air from re-entering the system during negative pressure conditions.

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 to prevent corrosion. The stainless steel float must be concave and buoyant to operate in fluid of a lighter specific gravity than water and be SPURT FREE.

The valve shall withstand 500 psi test pressure and have a 5/16" orifice for operating (opening) pressure up to 50 psi. The venting capacity @ 50 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
Leverage Frame	Stainless steel	ASTM A296, T316
Concave Float Patented	Stainless steel	ASTM A240, T304
Needle	Buna-N	
Internal Linkage	Stainless steel	ASTM A296, T316
Exterior Paint	Universal Primer	FDA Approved for Potable Water

Note: Other materials available.

Valve to be APCO 200AF Air Release Valve (for Fuel Service), as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.

APCO Willamette
VALVE AND PRIMER CORPORATION

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