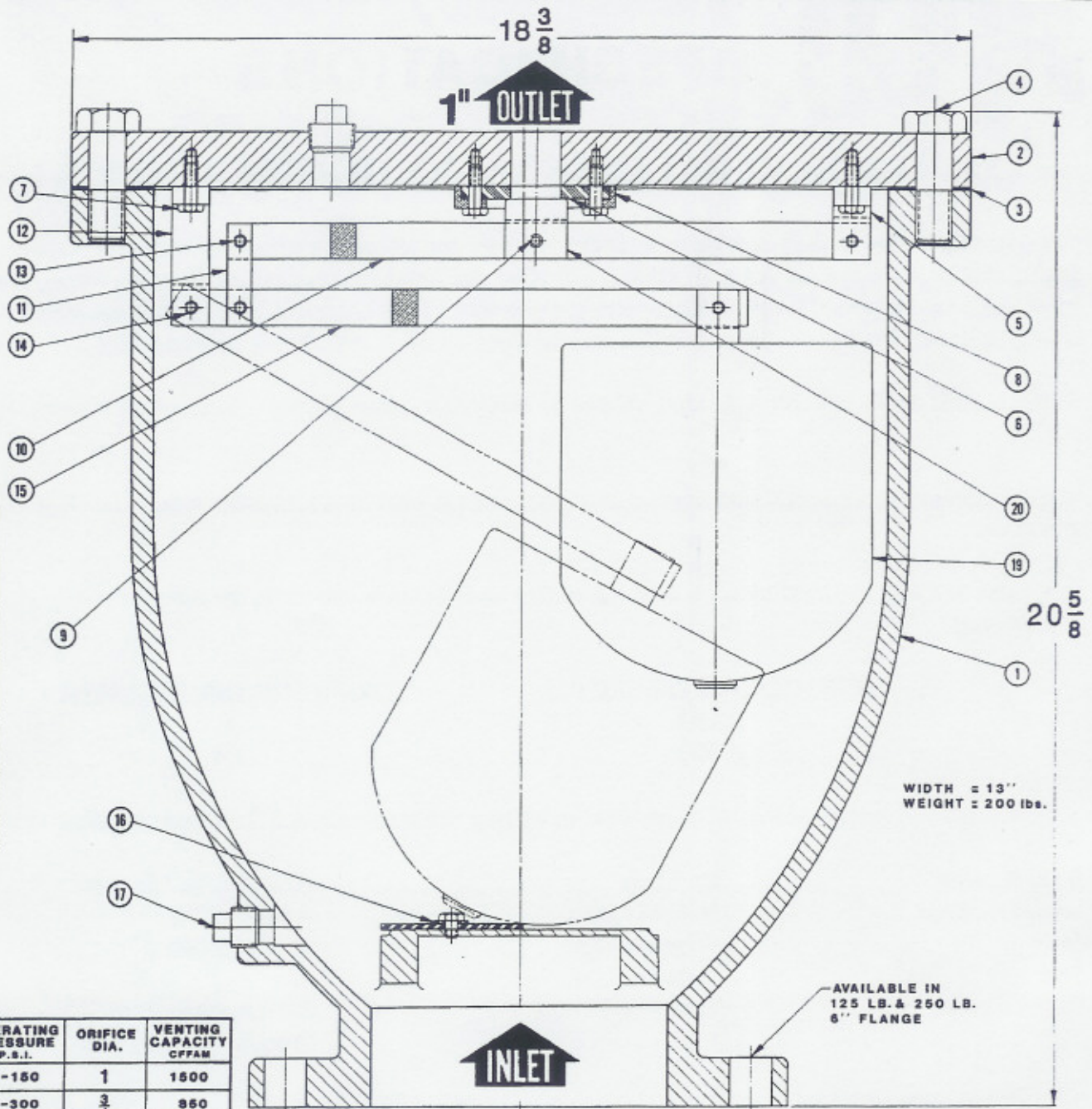


6" - 207 AIR RELEASE VALVE (HIGH CAPACITY)



CERTIFIED BY:

DATE:

OPERATING PRESSURE P.S.I.	ORIFICE DIA.	VENTING CAPACITY CFPM
0-150	1	1500
0-300	$\frac{3}{4}$	860

AVAILABLE IN
125 LB. & 250 LB.
6" FLANGE

DET	DESCRIPTION	MATERIAL	DET	DESCRIPTION	MATERIAL
1	BODY	CAST IRON ASTM A48 CL. 30	11	LINK	STAINLESS STEEL
2	COVER	CAST IRON ASTM A48 CL. 30	12	BRACKET (LONG)	STAINLESS STEEL
3	COVER GASKET	LEXIDE (non-asbestos)	13	LEVER PIN	STAINLESS STEEL
4	COVER BOLT	STEEL ASTM A307 GR. B	14	LEVER PIN RET. RING	STAINLESS STEEL
5	BRACKET (SHORT)	STAINLESS STEEL	15	FLOAT LEVER	STAINLESS STEEL
6	SEAT	BUNA-N	16	BUMPER ASSEMBLY	BUNA-N / STAINLESS STEEL
7	BRACKET SCREW	STAINLESS STEEL	17	DRAIN PLUG	CAST IRON
8	SEAT RETAINER	STAINLESS STEEL	19	FLOAT	STAINLESS STEEL
9	NEEDLE PIN	STAINLESS STEEL	20	NEEDLE	STAINLESS STEEL
10	NEEDLE LEVER	STAINLESS STEEL			

DATE
04-12-05



DRWG. NO.
S-207

SPECIFICATIONS OTHER SIDE

APCO[®] SPECIFICATIONS

6" - 207 AIR RELEASE VALVE (HIGH CAPACITY)

The 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 seat 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 all stainless steel to positively prevent corrosion.

The valve shall be certified to open with the orifice and pressure shown in the table below: (Engineer to specify one)

OPERATING PRESSURE PSI	ORIFICE DIAMETER INCHES
0-150	1
0-300	3/4

All materials of construction shall be certified in writing to conform to A.S.T.M. specifications as follows:

Body & cover	Cast Iron	ASTM A48, Class 30
Internal linkage	Stainless Steel	ASTM A276
Float	Stainless Steel	ASTM A240
Seat	Buna-N	
Exterior paint	Universal Primer	FDA Approved for Potable Water contact

Note: Other materials available.

Valve to be APCO Model 6" - 207 Air Release Valve (High Capacity), as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.