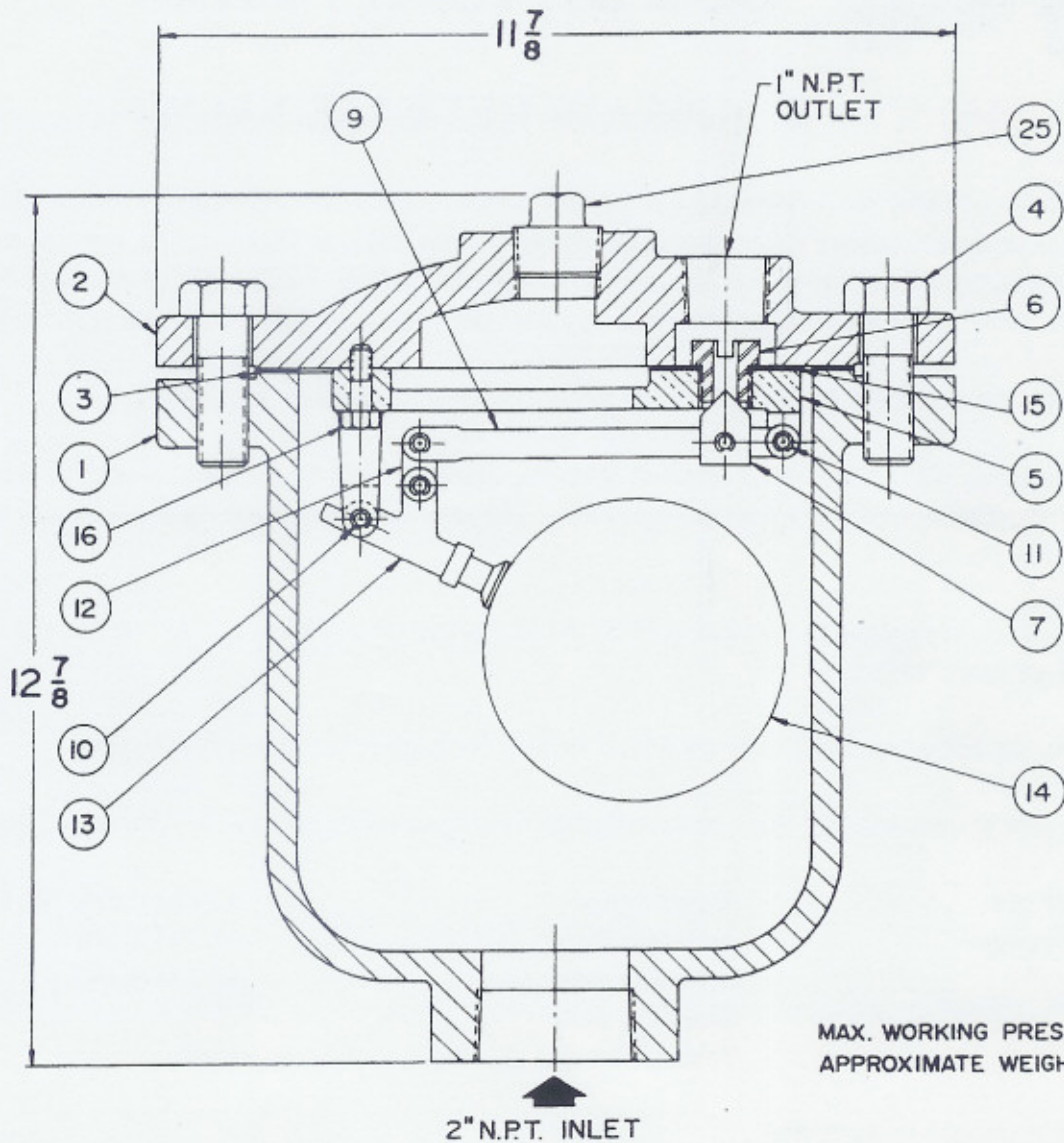


# 2" - 205 AIR RELEASE VALVE



CERTIFIED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

DET. NO.	DESCRIPTION	MATERIAL	DET. NO.	DESCRIPTION	MATERIAL
1	BODY	DUCTILE IRON	10	LEVER PIN	STAINLESS STEEL
2	COVER	DUCTILE IRON	11	RETAINING RING	STAINLESS STEEL
3	COVER GASKET	LEXIDE	12	CONNECTING LINK	STAINLESS STEEL
4	COVER BOLTS	STEEL	13	FLOAT LEVER	STAINLESS STEEL
5	LEVERAGE FRAME	STAINLESS STEEL	14	FLOAT	STAINLESS STEEL
6	SEAT	STAINLESS STEEL	15	LEVERAGE FRAME SEAL	BUNA-N
7	NEEDLE	STAINLESS STEEL	16	LEVERAGE FRAME BOLTS	STAINLESS STEEL
9	NEEDLE LEVER	STAINLESS STEEL	25	1" N.P.T. PIPE PLUG	MALLEABLE IRON

VENTING CAPACITY	
PRESSURE	CFM
100	249
150	199
200	174
250	178
300	170
400	170
500	213

DATE

**09-01-06**

**APCO** *Williams*  
VALVE AND PRIMER CORPORATION

DRWG. NO.

**S-205**

SPECIFICATIONS OTHER SIDE

# APCO<sup>®</sup> SPECIFICATIONS

## 2" - 205 AIR RELEASE VALVE

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 needle and seat shall be stainless steel to be able to withstand high pressure.

The Air Release Valve compound internal lever mechanism shall be stainless steel. 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 shall be designed to withstand 800 psi line pressure and have a 7/32" orifice for 500 psi operating (opening) pressure rating.

Valve exterior to be painted Universal Metal Primer for high resistance to corrosion.

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

Body & cover	Ductile Iron	ASTM A536 Gr. 65-45-12
Internal Linkage	Stainless Steel	ASTM T316
Float	Stainless Steel	ASTM A240
Needle	Stainless steel	T316
Seat	Stainless steel	T303

Note: Other materials available.

Valve to be APCO Model 205 Air Release Valve, as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.