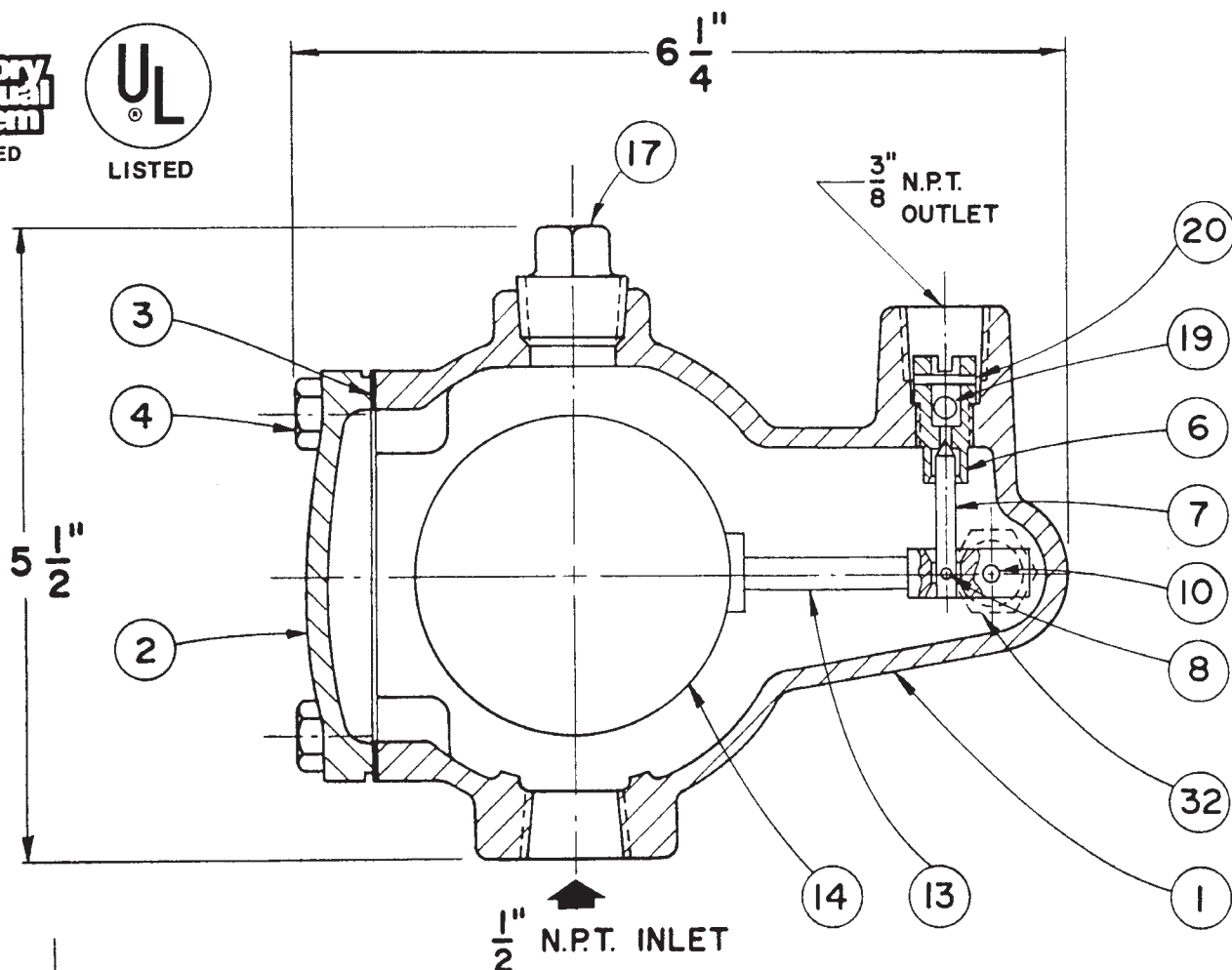


1/2"-55 AIR RELEASE VALVE

Factory Mutual System
APPROVED



WORKING PRESS., PSI	STD. ORIFICE SIZE	MAX. VENTING CAPACITY, CFFAM	TEST PRESS. PSI	WT. LB.
1 TO 175	3/32	12.5	350	6

DET.	DESCRIPTION	MATERIAL
1	BODY	CAST IRON
2	COVER	CAST IRON
3	COVER GASKET	LEXIDE
4	COVER BOLTS	STEEL
6	SEAT	BRASS
7	NEEDLE	STAINLESS STEEL
8	NEEDLE PIN	STAINLESS STEEL
10	LEVER PIN	BRASS
13	FLOAT LEVER	BRASS
14	FLOAT	STAINLESS STEEL
17	1/2" PIPE PLUG	CAST IRON
19	VACUUM BALL	STAINLESS STEEL
20	VACUUM BALL RETAINER	STAINLESS STEEL
32	SIDE PLUG	BRASS

CERTIFIED BY: _____

DATE: _____

DATE
09-01-03

APCO *Willamette*
VALVE AND PRIMER CORPORATION

DRWG. NO.
S-55

SPECIFICATIONS OTHER SIDE

APCO[®] SPECIFICATIONS

1/2" - 55 AIR RELEASE VALVE

FACTORY MUTUAL (FM) APPROVED AND UNDERWRITERS LABORATORY (UL) LISTED

The Air Release Valve shall operate (open) under pressure and allow entrapped air to escape from a pipeline, pump, tank or hot water system. After air escapes out of the Air Release Valve orifice, the orifice shall close by means of a simple lever mechanism to prevent water from escaping. The orifice will then stay closed until more air accumulates inside and the opening cycle will repeat automatically. The needle shall be stainless steel, accurately guided into the seat orifice for tight shut-off. The seat shall be brass with a minimum 3/32" orifice and a built-in ball check to prevent air from re-entering the system under negative conditions. The brass seat shall be replaceable without dismantling the main valve. The Air Release Valve must have a stainless steel float designed to withstand a pressure of 1000 psi or more. (static).

The Air Release Valve shall be FACTORY MUTUAL (FM) APPROVED and UNDERWRITERS LABORATORY (UL) LISTED for use on fire pumps.



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 parts	Brass	ASTM B16
Float	Stainless steel	ASTM A240
Needle	Stainless steel	ASTM A581, T303
Exterior Paint	Universal Primer	FDA Approved for Potable Water

Valve to be Model 1/2"-55 Air Release Valve, FACTORY MUTUAL (FM) APPROVED and UNDERWRITERS LABORATORY (UL) LISTED, as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.