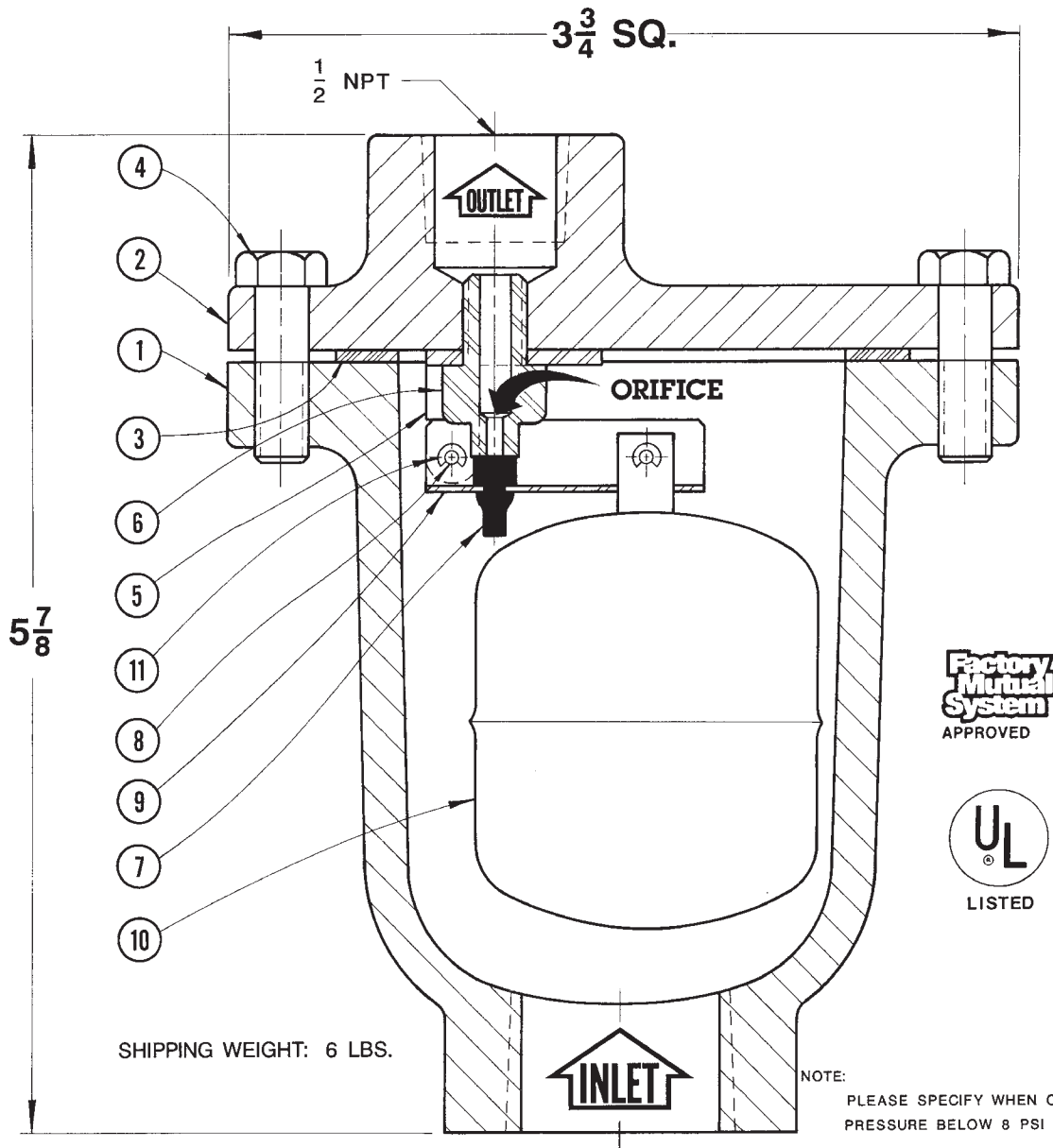


AIR VENT VALVE



JOB _____ ORDER NO. _____ DATE: _____
 ENGINEER _____ SUBMITTED BY: _____ DATE: _____
 CONTRACTOR _____ APPROVED BY: _____ DATE: _____

DET.	DESCRIPTION	MATERIAL
1	Body	Cast Iron ASTM A48 Cl. 30
2	Cover	Cast Iron ASTM A48 Cl. 30
3	Cover Gasket	Lexide (Non Asbestos)
4	Cover Bolt	Steel ASTM 307 Gr. B
5	Lever Frame	Stainless Steel Type 304
6	Seat	Stainless Steel Type 303
7	Needle	Buna - N
8	Lever Pin	Stainless Steel Type 303
9	Float Lever	Stainless Steel Type 304
10	Float	Stainless Steel Type 304
11	Pin Retaining Ring	Stainless Steel Comm'l.

INLET-ORIFICE SELECTION CHART		ORIFICE	
		3/32	1/16
INLET SIZE	1/2" NPT	STD	
	3/4" NPT		
	1" NPT		
VENTING CAPACITY OPERATING PRESSURE	50 PSI	5 CFM	2.5 CFM
	100 PSI	9.5 CFM	4 CFM
	150 PSI	12.5 CFM	6 CFM
	175 PSI	15 CFM	7 CFM
	300 PSI	—	11.6 CFM
TEST PRESSURE, PSI		350	450

DATE
09-01-03

APCO *Willamette*
VALVE AND PRIMER CORPORATION

DRWG. NO.
S-50

SPECIFICATIONS OTHER SIDE

APCO[®] SPECIFICATIONS

50 AIR VENT VALVE

The APCO #50 Air Vent 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 APCO #50 Air Vent 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 Buna-N, accurately guided to the seat orifice by means of a stainless steel lever and needle arm for drop tight shut-off.

The seat shall be stainless steel with a 3/32" orifice to operate (open) up to 175 psi or 1/16" orifice for 300 psi.

The APCO #50 Air Vent Valve shall have a stainless steel float designed to withstand a shock pressure of 1000 psi or more. (static).

The APCO #50 Air Vent Valve body shall have a 1/2" NPT female threaded inlet and outlet and be rated for 350 psi test pressure.

Materials of construction shall be certified to conform to A.S.T.M. Specifications as follows:

Body & cover	Cast Iron	ASTM A48, Class 30
Internal levers	Stainless Steel	ASTM A240 Type 304
Float	Stainless Steel	ASTM A240 Type 304
Needle	Buna-N	
Exterior paint	Universal Primer	FDA Approved for Potable Water contact

Valve to be APCO Model 50 - Air Vent Valve, Factory Mutual Approved & Underwriters Laboratories Listed, as manufactured by Valve & Primer Corporation, Schaumburg, Illinois, U.S.A.