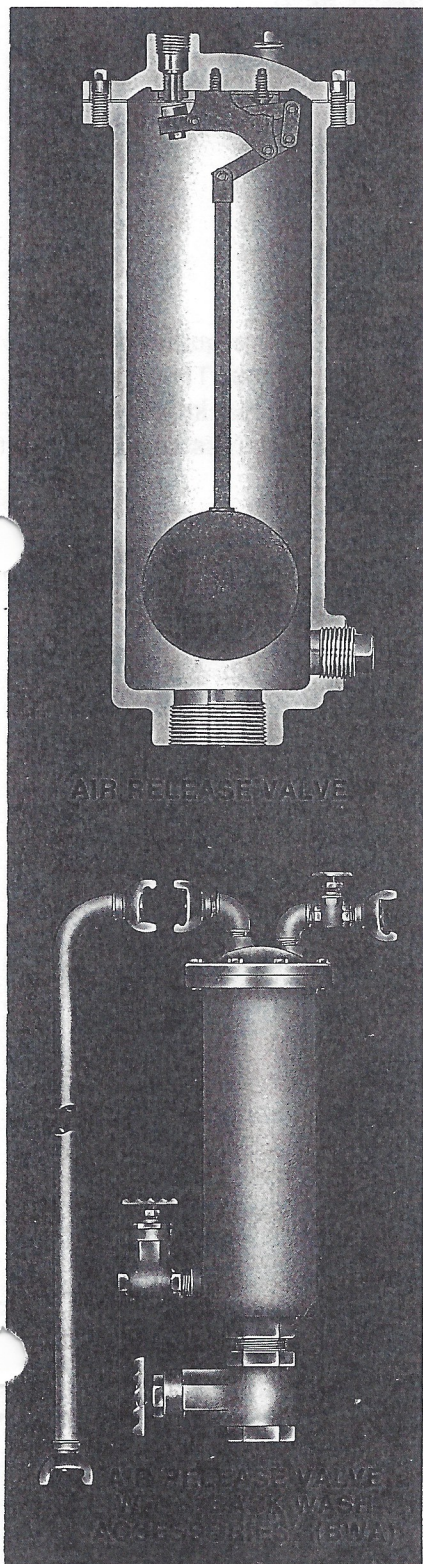


JUL 13 1987

SEWAGE AIR RELEASE VALVES

The Val-Matic Sewage Air Release Valves are designed to maintain pipeline efficiency and provide protection by venting air and gases which accumulate during system operation.

Materials of Construction: Featuring stainless steel trim as standard, unconditionally guaranteed stainless steel floats, viton seating and cast iron housings.

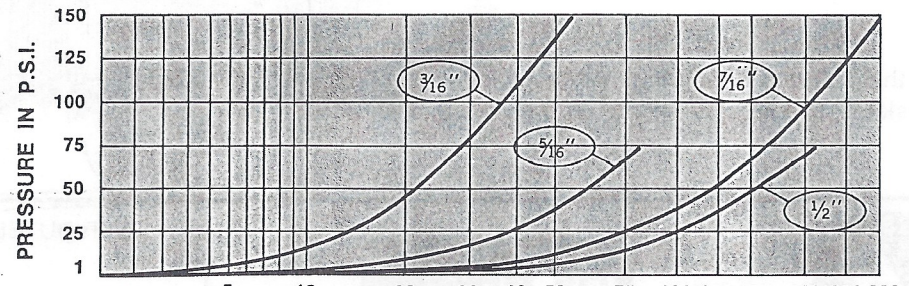


Model No.	Inlet Size	Outlet Size	Orifice Size		Height	Width	Depth	Weight Lbs.
			0 to 75 P.S.I.	0 to 150 P.S.I.				
48	2"	1/2"	5/16"	3/16"	20 1/2"	7"	7"	46
	3"							
	4"							
48BWA	2"	1/2"	5/16"	3/16"	28"	10 1/2"	7"	60
	3"				31 1/2"			93
	4"				33"			110
48S	2"	1/2"	5/16"	3/16"	12"	7"	7"	35
	3"							
	4"							
48SBWA	2"	1/2"	5/16"	3/16"	20"	10 1/2"	7"	49
	3"				23 1/2"			82
	4"				25"			99
49	2"	1"	1/2"	7/16"	20 1/2"	9 1/2"	9 1/2"	80
	3"							
	4"							
49BWA	2"	1"	1/2"	7/16"	29"	14"	9 1/2"	97
	3"				32 1/2"			133
	4"				34"			152

- NOTE:**
1. If inlet size and orifice size are not indicated when ordering, a 2" inlet and a 150 P.S.I. orifice will be provided.
 2. Valves for working pressures above 150 P.S.I. are available upon request.

RECOMMENDED VALVE SELECTION			
1. DETERMINE SYSTEM GPM AND OPERATING PRESSURE			
2. ENTER INTO CHART AND READ MODEL NO. AND ORIFICE SIZE REQUIRED			
System Pressure	SYSTEM CAPACITY IN GPM		
	0 to 2500	2500 to 4000	4000 and Up
Up to 75 P.S.I.	Model No. 48BWA with 5/16" Orifice	Model No. 48BWA with 5/16" Orifice	Model No. 49BWA with 1/2" Orifice
75 to 150 P.S.I.	Model No. 48BWA with 3/16" Orifice	Model No. 48BWA with 3/16" Orifice or Model No. 49BWA with 7/16" Orifice	Model No. 49BWA with 7/16" Orifice

- NOTE:**
1. The Model No. 48S should only be substituted for the standard No. 48 when head clearance for the No. 48 is not available.
 2. It is recommended to use as large an inlet size as possible. This provides a better air and water exchange and lessens the chance of clogged inlets.
 3. "Back Wash Accessories" are recommended for proper care and maintenance. Indicate by adding the suffix "BWA" to model number.
 4. Valves should be installed at all high points in a system or force main.



FLOW OF AIR THROUGH AN ORIFICE IN S.C.F.M.
(STANDARD CUBIC FEET OF FREE AIR PER MINUTE)

VAL'MATIC SEWAGE AIR VALVE

SAMPLE SPECIFICATIONS

SEWAGE AIR RELEASE VALVE . . . shall be of the type that automatically releases air, gas or vapor under pressure during system operation. The valve shall have a *3 inch N.P.T. inlet with a *1 inch N.P.T. outlet and a *7/16 inch venting orifice for a maximum working pressure of *150 P.S.I. The over-all height less Back Wash Accessories shall not exceed *20-1/2 inches. Valve shall be constructed of cast iron body and cover, stainless steel trim and float, with an adjustable Viton orifice button to insure positive seating.

"Back Wash Accessories" shall be furnished and assembled to the valve, consisting of an inlet shut-off valve, blow-off valve, clear water inlet valve, rubber supply hose and quick disconnect couplings. (*Above represents a 3" - 150 P.S.I.—Model #49BWA valve.)

SEWAGE AIR AND VACUUM VALVE . . . shall be of the type that automatically exhausts large quantities of air during the filling of a system and allows air to re-enter during draining or when a vacuum occurs. The valve shall have an inlet size of *3" N.P.T. and a discharge size of *3" N.P.T. The over-all height less Back Wash Accessories shall not exceed *21 inches. Valve shall be constructed of cast iron body and cover, stainless trim and float with a Buna-N seat for positive seating.

"Back Wash Accessories" shall be furnished and assembled to the valve, consisting of an inlet shut-off valve, clear water inlet valve, rubber supply hose and quick disconnect couplings. (*Above represents a 3" - 150 P.S.I.—Model #303BWA valve.)

COMBINATION SEWAGE AIR VALVES . . . shall consist of one Sewage Air Release Valve and one Sewage Air and Vacuum Valve. Valves shall be piped into a compact assembly and not exceed *29-1/4" in height including piping and Back Wash Accessories.

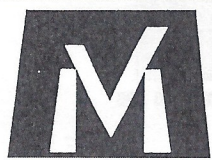
The "Air Release Valve" portion—use above specification less the Back Wash Accessories.
 The "Air and Vacuum Valve" portion—use above specification less the Back Wash Accessories.

"Back Wash Accessories" shall be furnished and assembled to the valves, consisting of two inlet shut-off valves, two blow-off valves, two clear water inlet valves, rubber hose and quick disconnect couplings. (*Above represents a 3" - 150 P.S.I.—Model #49/303BWA valve.)

*Note the above specifications can be altered to meet your requirements by changing the information marked with asterisks. The required data is on pages 2, 3 and 4.

This submittal has been reviewed for compliance with the contract documents, and is hereby approved for construction. The Contractor shall be responsible for compliance with all applicable codes and regulations. The Contractor shall be responsible for obtaining all necessary permits and for obtaining all necessary approvals. The Contractor shall be responsible for obtaining all necessary approvals. The Contractor shall be responsible for obtaining all necessary approvals.

By: *[Signature]* Date: 7-9-87



VAL'MATIC
 VALVE AND MANUFACTURING CORP.
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