RECOMMENDED AIR RELEASE VALVE SIZING

The following recommendations may be used for pipeline and in-plant systems and are based on field experience. For a theoretical methodology on air release valve sizing, see Val-Matic white paper entitled ***Theory, Application and Sizing of Air Valves***. The model numbers indicated are minimum sizes. Larger sizes may be used when abnormal amounts of air are expected or in waste-water applications where gases are present. When possible, Air Release Valves should be specified with the largest inlet size availiable. The larger inlet flow area yields the most efficient exchange of air and water.

Valves should be installed at all high points in the piping system where air can accumulate.

VALVE SELECTION

1. Determine system capacity in G.P.M. and operating pressure.
2. Enter your G.P.M. and pressure into chart and read the required model number and orifice size.

   The 1 - 150 pressure is the standard valve and does operate through the full pressure range

MAX. CAPACITY G.P.M.	SYSTEM PRESSURE P.S.I.					
	1 TO 75		1 TO 150		1 TO 300	
	MODEL	ORIFICE SIZE	MODEL	ORIFICE SIZE	MODEL	ORIFICE SIZE
800	N/A		* 15A	1/16	N/A	
2200	N/A		* 22.4	3/32	22.9	1/16
5200	N/A		25.5	1/8	25.6	3/32
50000	38.2	3/16	38.2	3/16	38.6	5/32
150000	45	23/64	45	23/64	45.5	7/32

NOTE: Above 150,000 G.P.M. valve clusters may be considered.

* Model Numbers 15A and 22.4 are rated for 175 P.S.I.

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