

# Air Release / Vacuum Relief Valve

1", 1½", 2", 3" & 4"



## Features

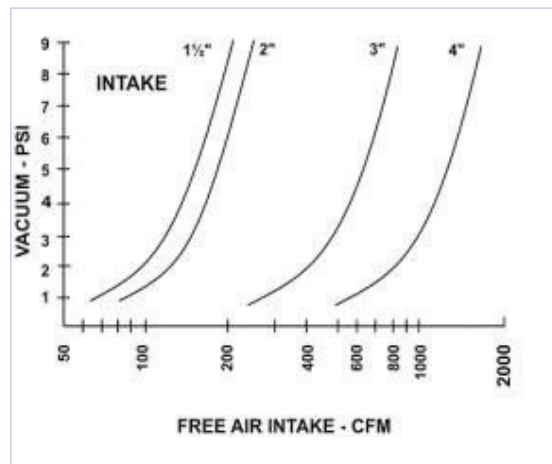
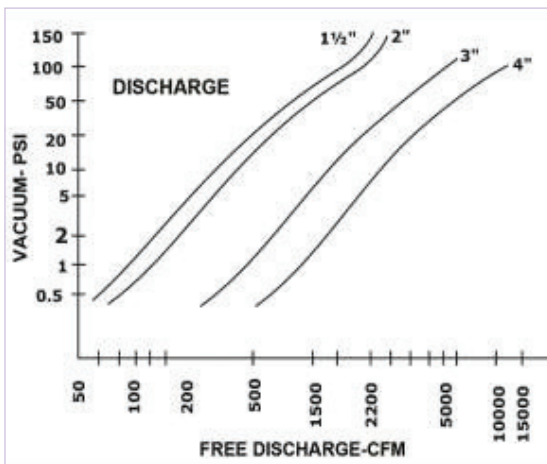
- Light weight Aluminum body.
- Large Volume air release as line is filled.
- Positive vacuum relief when line is draining.
- Do not leak at low pressure.
- Venting passage protect by cover.

## Technical Specifications

- Min. Sealing Pressure : For 1" & 1½": 5 - 7 PSI  
For 2" to 4" : 7 - 10 PSI
- Working Pressure Range: For ½" & 2" : 5 - 150 PSI  
For 3" & 4" : 7 - 100 PSI

## Functions

- Expulsion (Kinetic Air): When the pipe is being filled, the air release valve remains open expelling all the surplus air outside the installation.
- When the pipe is full of water, air release valve closes tightly.
- Air Admission (Air Intake): While negative pressure (pipe vacuum) the air release valve opens to allow the air to go inside the pipe.
- This system avoids possible damages in pipes and accessories.



1 CFM = 1.699 m<sup>3</sup>/h  
1 PSI = 0.70307 mwc

## Dimension & Weight Chart

Models	Nominal		Clear Opening dia		Height		Width		Weight	
	In	mm	In	mm	In	mm	In	mm	Lbs	gm
AQ-88	1"	25.4	0.67	17	4.2	106.5	2.2	55	0.55	250
AQ-89	1½"	38.1	1.16	29.5	4.9	123.5	3.2	82.5	1.16	525
AQ-90	2"	50.8	1.89	48	5.7	145.5	3.5	88	1.65	750
AQ-91	3"	76.2	2.54	64.5	7.9	200	4.9	124	3.63	1647
AQ-92	4"	101.6	3.43	87	9.7	247.5	7.1	180.5	6.72	3050