Air Release / Vacuum Relief Valves

(Metal)

Air Release / Vacuum Relief valves are designed to provide efficient air releasing and intake for water pipelines when the system is started or shut off. The valves ensure the safe expulsion of air during pipe filling and allow air intake during negative pressure situations preventing damage to pipes and accessories. metal (aluminum) valves are durable, weather-resistant, and corrosion-resistant, making them ideal for a wide range of agriculture irrigation and industrial applications.



HIGHLIGHTS

- **Lightweight Construction:** High-strength aluminum (metal) and durable, weather-resistant valves ensure easy installation and long-lasting durability.
- **Efficient Air Expulsion and Intake:** Large volume air release/intake capability during pipe filling and pump shut off.
- Low Pressure Sealing
- **Debris Protection:** Venting passage equipped with screen to prevent debris intrusion and blockages. revent debris intrusion and blockages.

APPLICATIONS

Kinetic Air Expulsion:
When the pipeline is being filled, the air release valve remains open, expelling surplus air outside the system. Once the pipe is filled with water, the valve closes tightly, ensuring a secure and leak-free seal.

Kinetic Air Admission:
During negative pressure or vacuum conditions within the pipe, the air release valve opens to allow air inside, preventing damage to pipes and accessories by avoiding vacuum-induced stress.



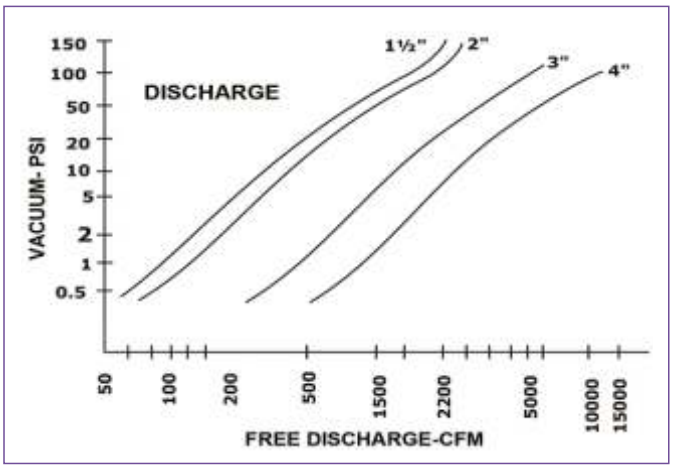
Technical Data (Metal ARV)

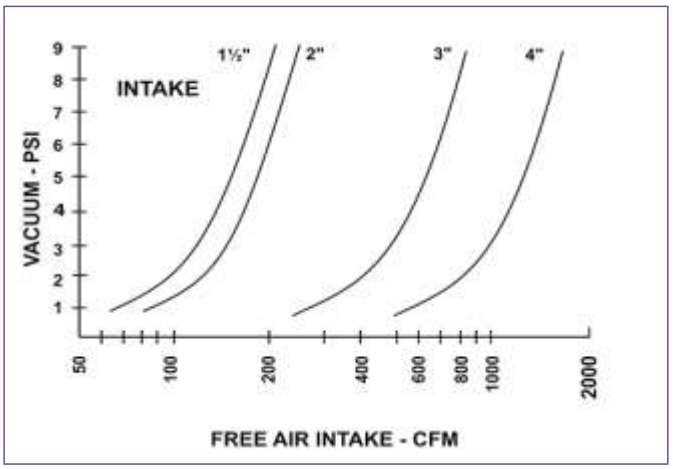
Model No		AQ-88	AQ-89	AQ-90	AQ-91	AQ-92
Inlet Connection		1" (25 mm	1.5" (40 mm)	2" (50 mm)	3" (80 mm)	4" (100 mm)
Maximum Working Pressure	BAR	10			7	
	PSI	150			100	
Connection	Type	Female Threaded (BSP/NPT)				
Sealing Pressure	BAR	0.3 – 0.5		0.5 – 0.7		
	PSI	5 - 7		7 - 10		
Material of Constructions		Aluminium				

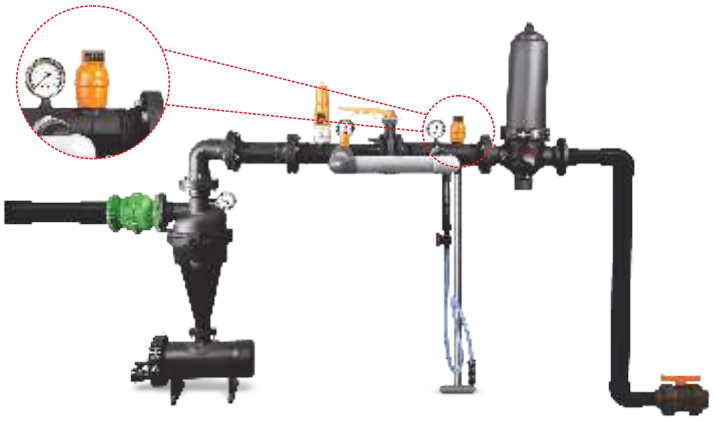
Product Dimensions

Models	Clear Opening Dia.		Height		Width		Weight	
	CM	INCH	CM	INCH	CM	INCH	KG	LBS
AQ-88	1.7	$^{43}/_{64}$	10.7	$4\,^{7}/_{32}$	5.5	$2\,^{11}/_{64}$	0.25	0.55
AQ-89	3	$1\,^{3}/_{16}$	12.4	$4\,^{7}/_{8}$	8.3	$3\,^{17}/_{64}$	0.525	1.16
AQ-90	4.8	$1\,^{57}/_{64}$	14.6	$5\,^{3}/_{4}$	8.8	$3\,^{15}/_{32}$	0.75	1.65
AQ-91	6.5	$2\,^{9}/_{16}$	20	$7\,^{7}/_{8}$	12.4	$4\,^{7}/_{8}$	1.65	3.63
AQ-92	8.7	$3\,^{27}/_{64}$	24.8	$9\,^{49}/_{64}$	18	$7\,^{3}/_{32}$	3.05	6.72

Performance Graph







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