

Air Valves



Protecting and maximizing the performance of your irrigation system

Rivulis Air Valves

- **Vacuum Breakers:** Discharges air at system start up and allows air to enter during shut down to prevent high negative pressure and pipeline damage
- **Continuous/Automatic Air Release Valves:** Releases air during system operation while under pressure, helping keep air out of pipes for more efficient hydraulic performance
- **Combination Air Valves:** Both vacuum breakers and automatic air valves in one unit

NOW
5 Year
Warranty

Product Overview

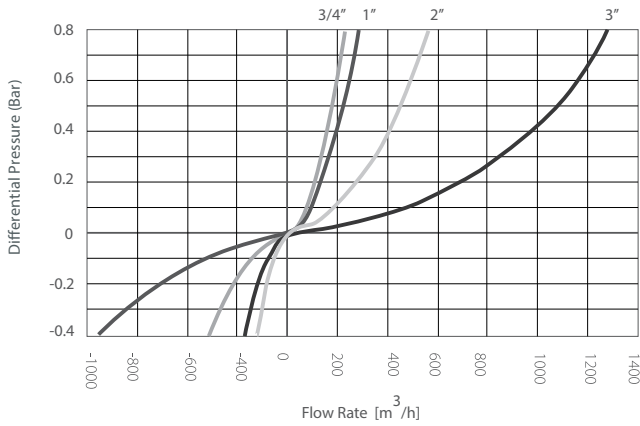
Category	Vacuum Breakers	Continuous / Automatic Air Release Valves	Combination Air Valves
Sizes	¾", 1", 2", 3"	½", ¾", 1"	2"
Application	Discharges air during the system start up and introduces air during shutdown to prevent pipes and tubes from collapsing.	Releases air during system operation under pressure, helping to reduce head loss and decrease flow from trapped air in water.	Provides air and vacuum release during system startup and shutdown, and continuous air release during system operation.
Location	On the downstream side of an isolating valve and on submains. On main lines where design specifies an air release/vacuum breaker. On fertigation check valves.	On long continuous lines every 150 - 250 meters. On all gentle peaks in the line where there is no problem of vacuum conditions. On pump filter where air release is needed.	On long constant sloping pipeline segments. At peaks along the pipeline and at peaks relative to hydraulic gradient. At the end of the lines. Before water meters. On strainers and filters.
			

Rivulis Air Valves | Application Table

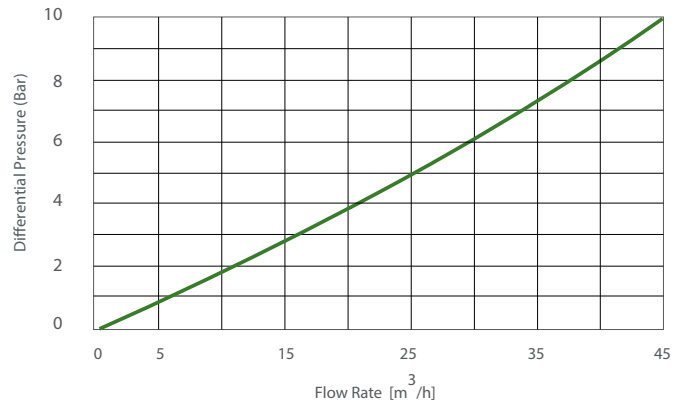
Location in System	Vacuum Breakers	Continuous / Automatic Air Release Valves	Combination Air Valves
Source			
Pump stations	√	√	√
Upstream of pump check valves			√
On filter inlet manifolds	√		√
On filter backflush manifolds	√		√
System Head			
At all high points		√	√
Before water meters		√	√
Distribution Network			
At all high points		√	√
Every 500 m			√
At the tip of downhill sloping pipes	√		
At the end of long distribution pipes			√
Upstream of on/off field control valves			√
Downstream of on/off field control valves	√		

Performance Data

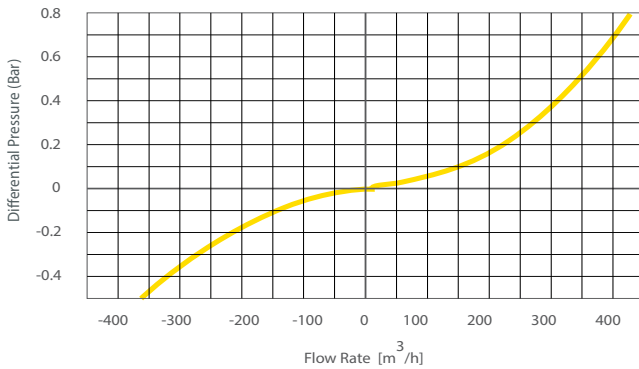
Air & Vacuum Release Valve
 3/4", 1", 2", 3" Models



Continuous Air Valve
 1/2", 3/4", 1" Models



Combination Air Valve
 2" Model



Air & Vacuum Release
 3/4" 1"



Air & Vacuum Release
 2"



Continuous Air Valve
 3/4"



Combination Air Valve
 2"

Technical Data Air Valves

Minimum Pressure	
Air & Vacuum Release Valve	0.20 bar
Continuous and Combination Valves	0.10 bar
Maximum Pressure	10 bar



1. Air & Vacuum Release
3/4" 1"



2. Air & Vacuum Release 2"



3. Continuous Air Valve
3/4"



4. Combination Air Valve
2"

Product Range

Rivulis Vacuum Breakers


Product Description	Size (inches)	Size (mm)	Connection Type	Product Number
20 mm (3/4") Plastic Vacuum Breaker (Male)	3/4	20	BSP	101045527
25 mm (1") Plastic Vacuum Breaker (Male)	1	25		101045529
50 mm (2") Plastic Vacuum Breaker (Female)	2	50		101045531
80 mm (3") Plastic Vacuum Breaker (Female)	3	80		101045533
20 mm (3/4") Plastic Vacuum Breaker (Male)	3/4	20	NPT	101045528
25 mm (1") Plastic Vacuum Breaker (Male)	1	25		101045530
50 mm (2") Plastic Vacuum Breaker (Female)	2	50		101045532
80 mm (3") Plastic Vacuum Breaker (Female)	3	80		101045680



Product Range


Rivulis Continuous / Automatic Air Release Valves

Product Description	Size (inches)	Size (mm)	Connection Type	Product Number
15 mm (½") Automatic Air Valve (Male)	½	15	BSP	WT12508
20 mm (¾") Automatic Air Valve (Male)	¾	20		WT12510
25 mm (1") Automatic Air Valve (Male)	1	25		WT12512
25 mm (1") Automatic Air Valve (Male)	1	25	NPT	WT12513



Rivulis Combination Air Valves

Product Description	Size (inches)	Size (mm)	Connection Type	Product Number
50 mm (2") Combination Dual Action Air Valve (Female)	2	50	BSP	WT12520
50 mm (2") Combination Dual Action Air Valve (Female)	2	50	NPT	WT12521



Rivulis Combination Air Valves | Spare Parts

Product Description	Product Number
50 mm Combination Air Valve Float Assembly	101045527
50 mm Combination Air Valve Seal	101045529
50 mm Combination Air Valve Bottom Float Lock	101045531
50 mm Combination Air Valve Drainage Elbow	101045680

Air Valves



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