

Application

The air release feature allows air to escape the pipeline during system start-up, while the vacuum relief feature allows air to enter the pipeline during valve closure or system shutdown.

The vacuum relief minimises:

- Collapse of mainline and submain pipes due to the vacuum.
- Back siphonage of dirt into emitters. (Vacuum relief can reduce this problem and in some cases eliminate it.)
- Water hammer caused by sudden reversal of flows, especially downstream of a valve.

Features

- Available in 25mm and 50mm MBSP threaded inlets.
- Innovative slam resistant design ensures only water closes the valve.



Performance Chart

		1014903	1014904
		25mm	50mm
Air Flow		Pressure	Pressure
m3/min		kPa	kPa
Intake	-4.9		-11.2
	-4.2		-8.1
	-3.5		-5.4
	-2.8	-28.8	-3.1
	-2.1	-2.9	-1.2
	0	0	0
Exhaust	0.7	2.3	0
	1.4	6.9	0.007
	2.1	16.3	0.021
	2.8	33.8	0.207
	3.5	53.4	1.02
	4.2	75.8	1.32
	4.9	112	4.2
	5.6		7.7
	6.3		11.7
	7.1		16.2
	7.7		21.3
	8.4		26.9
	9.2		33.2
9.9		39.9	
10.6		47.2	
11.3		55	

Specifications

	1014903	1014904
Code	1014903	1014904
Connection	25mm BSPM	50mm BSPM
Max. Pressure	1035 kPa	1035 kPa
Closing Pressure	7 kPa	7 kPa
Air Orifice	19.7mm	28.9mm
Height	170mm	230mm
Diameter	70mm	90mm

Ordering Information

Code	Description
1014903	25mm MBSP Air Vacuum Valve
1014904	50mm MBSP Air Vacuum Valve