

AIR VENTS

GUARDIAN AIR VENTS

**PROVIDES MAXIMUM PROTECTION
FOR AN IRRIGATION SYSTEM**

**PROVEN DESIGN PROVIDES MORE AIR RELEASE
CAPACITY THAN OTHER VENTS OF SIMILAR SIZES**



¾" & 1" GUARDIAN
Air & Vacuum Air Vent



2" & 3" GUARDIAN
Air & Vacuum Air Vent

PRODUCT ADVANTAGES

- Ensures maximum protection of irrigation system with proper sizing and placement.
- Ensures vent closure as water fills the system, remains open when air pressure reaches the following:
 - 5 psi for ¾" and 1" Guardian
 - 10 psi for 2" Guardian
 - 8 psi for 3" Guardian
- Large capacity vents dampen water hammer preventing pipes and fittings from cracking or bursting.
- Made of corrosion-resistant reinforced UV protected composite materials - no metal parts to rust or corrode, no need for spare parts.
- Guardian Air Vent with Shrader Valve is ideal for measuring local line pressure.

APPLICATIONS

- Commonly used downstream of valves, primarily at manifolds, to break vacuum caused by system draining.
- On sloping terrain to prevent collapsing of pipes caused by vacuum when pipe networks drain.
- Upstream of valves for air discharge during system start-up.

SPECIFICATIONS

- Maximum operating pressures:
 - ¾" Guardian: 150 psi
 - 1" Guardian: 150 psi
 - 2" & 3" Guardian: 150 psi
- Five year warranty

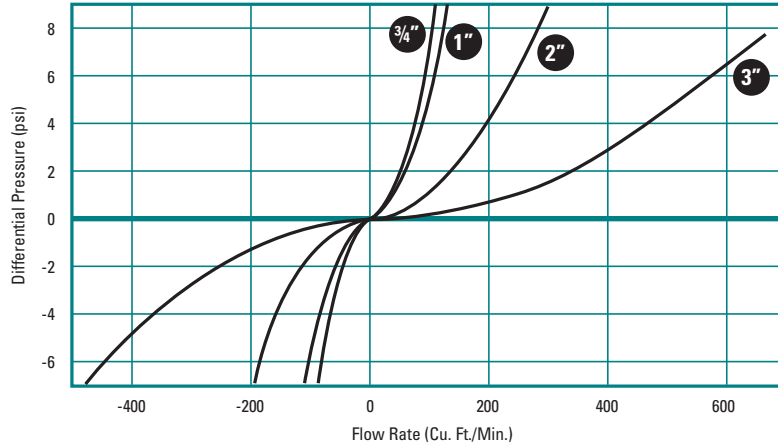
GUARDIAN AIR/VACUUM AIR VENTS

GUARDIAN AIR & VACUUM AIR VENTS

STAGES OF OPERATION

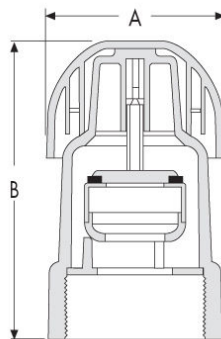
1. The Guardian discharges large quantities of air through an opening equal to a large size standard vent. As water enters, the float rises and forces the air vent to close.
2. During normal flow, while the line is under pressure, the air vent remains closed.
3. As the line empties, or during a drop in pressure, the float drops down and opens the air vent. Air is admitted, breaking the vacuum created by the withdrawing water and prevents the collapse of pipelines and suction of soil into dripperlines.

AIR AND VACUUM FUNCTION



DIMENSIONS & WEIGHT

	MODEL NUMBER	NOMINAL SIZE	DIMENSION A	DIMENSION B	WEIGHT	CONNECTION
3/4" Guardian	65ARIA075	3/4"	2.36"	5.11"	0.22 lbs	3/4" NPT Male Thread
3/4" Guardian with Shrader Valve	65ARIA075S	3/4"	2.55"	5.11"	0.44 lbs	3/4" NPT Male Thread
1" Guardian	65ARIA100	1"	2.36"	4.79"	0.35 lbs	1" NPT Male Thread
1" Guardian with Shrader Valve	65ARIA100S	1"	2.55"	5.11"	0.44 lbs	1" NPT Male Thread
2" Guardian	65ARIA2	2"	2.87"	4.79"	0.44 lbs	2" NPT Female Thread
3" Guardian	65ARIA3	3"	4.10"	6.50"	1.30 lbs	3" NPT Female Thread



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