



PRODUCT ADVANTAGES

- Ensures maximum protection of irrigation system with proper sizing and placement.
- Aerodynamic float design ensures vent closure as water fills the system, remains open when air pressure reaches 5-12 psi depending on model.
- Large capacity vents dampen water hammer preventing pipes and fittings from cracking or bursting.
- Unique rolling seal feature allows gradual opening, closing and self-cleaning.
- Made of corrosion-resistant reinforced UV protected nylon - no metal parts to rust or corrode, no need for spare parts.
- Guardian with shradar valve is ideal for measuring local line pressure.

SPECIFICATIONS

- Maximum Operating Pressures:
 - 1", 2" Nylon Combination: 240 psi
 - 1", 2" Nylon Combination: 150 psi
 - 3/4" & 1" Automatic: 240 psi
 - All Sizes Guardian: 150 psi
- Pressure for Vent to Remain Open:
 - 3/4" & 1" Guardian: 5 psi
 - 2" Guardian: 10 psi
 - 3" Guardian: 8 psi
 - All Combination & Automatic: 12 psi

APPLICATIONS

1" & 2" combination air/vacuum and continuous acting air vents

- For discharge and intake of large volumes of air at pump and filter stations, along mains and at the end of mainlines.
- For continuous air release at high points in pipe network or upstream of manifolds.
- Every 1,500 feet along mainlines.

2" combination air release/vacuum guard and continuous acting air vent

- Releases air at pump priming and maintains the prime by not allowing air intake in long and/or undulating suction lines to pump stations.
- Releases entrapped air while ensuring continuous prime at centrifugal pumps.
- Builds up siphons with air release, maintains the siphon by continuously releasing air and not allowing air intake.

3/4" & 1" automatic continuous acting air vents

- For high spots where air accumulates

3/4" & 1" continuous acting/vacuum guard air vents

- For release of entrapped air while ensuring continuous pump prime with no air intake in centrifugal pumps and pump suction lines.
- Protects mechanical seals in vertical pumps by not allowing air to accumulate in the stuffing boxes.
- Maintain siphons with continuous air release while not allowing air intake.

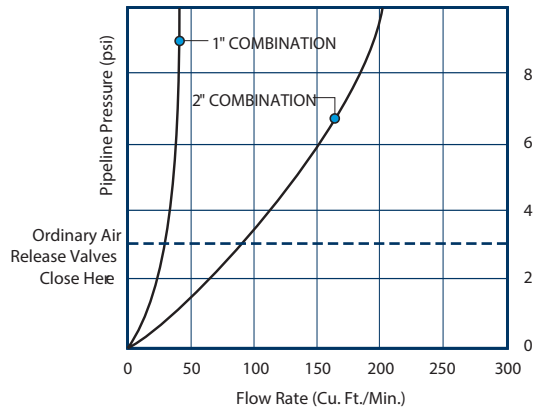
3/4", 1", 2" & 3" guardian air/vacuum relief air vents

- 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.

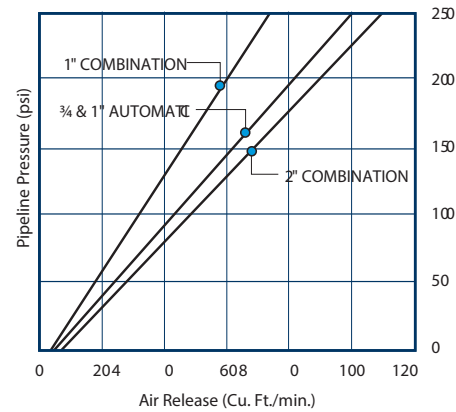
Additional Specifications



COMBINATION AIR & VACUUM FUNCTION



AUTOMATIC FUNCTION



COMBINATION/AUTOMATIC ORDERING, DIMENSIONS & WEIGHT

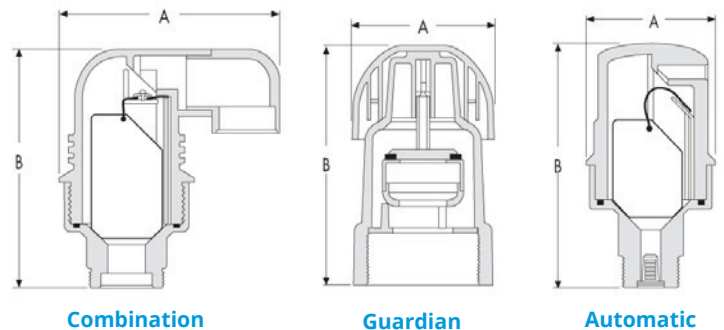
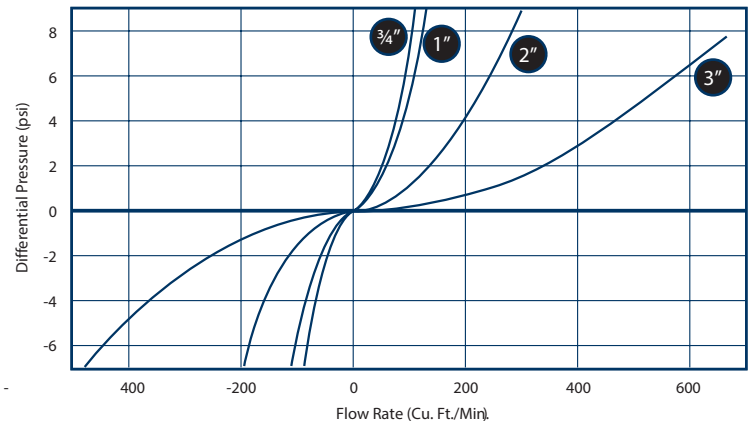
Model Number	Size/ Material	Connection	A (in)	B (in)	Weight (lbs)
65ARIB2	2" combo (N)	MPT	7.09	8.23	2.35
65ARIB2-B	2" combo (NB)	MPT	7.09	8.23	4.75
65ARIB2PP	2" combo (N)	MPT	7.09	8.23	1.90
65ARIB2-BPP	2" combo (NBR)	MPT	7.09	8.23	3.80
65ARIB2VM	2" combo (NV)	MPT	8.09	8.23	2.50
65ARIB1	1" combo (N)	MPT	3.93	5.51	0.66
65ARIB1-B	1" combo (NB)	MPT	3.93	5.51	1.54
65ARIB1-B	1" combo (N)	MPT	3.93	5.51	0.65
65ARIS075	3/4" auto (N)	MPT	3.20	5.51	0.56
65ARIS075VM	3/4" auto (NV)	MPT	3.20	5.51	0.56
65ARIS1	1" auto (N)	MPT	2.95	5.51	0.65
65ARIS1VM	1" auto (NV)	MPT	3.20	5.51	0.66

N = Nylon body NB = Nylon body, brass base
NV = Nylon body, vacuum guard NBR = Nylon body, brass base

GUARDIAN ORDERING, DIMENSIONS & WEIGHT

Model Number	Size/ Material	Connection	A (in)	B (in)	Weight (lbs)
65ARIA075	3/4"	MPT	2.36	5.11	0.22
65ARIA075S	3/4" shrader	MPT	2.55	5.11	0.44
65ARIA100	1"	MPT	2.36	4.79	0.35
65ARIA100S	1" shrader	MPT	2.55	5.11	0.44
65ARIA2	2"	MPT	2.87	4.79	0.44
65ARIA3	3"	MPT	4.10	6.50	1.30

GUARDIAN AIR & VACUUM FUNCTION



Combination

Guardian

Automatic