

## AIR VENTS

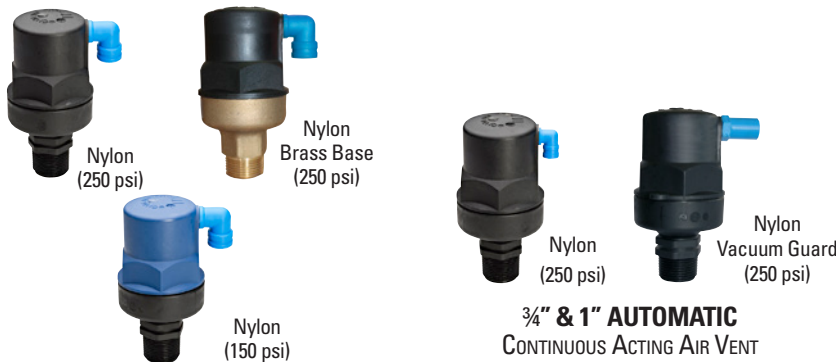
# COMBINATION AIR VENTS

**PROVIDES MAXIMUM PROTECTION  
FOR AN IRRIGATION SYSTEM**

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



**2" COMBINATION**  
Air/Vacuum and Continuous Acting Air Vent



**1" COMBINATION**  
Air/Vacuum and Continuous Acting Air Vent

### 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 12 psi.
- 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.

### APPLICATIONS

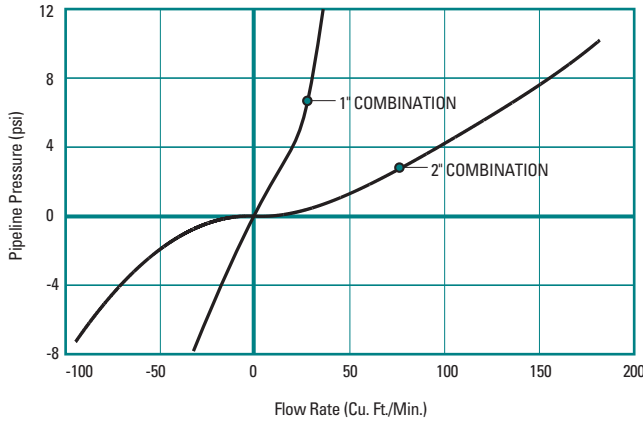
- **1" & 2" COMBINATION AIR/VACUUM AND CONTINUOUS ACTING AIR VENTS**
  - For discharge and intake of large volumes of air at pump and filter stations, along mains and at the end of mainlines.
  - For continuous air release at high points in pipe network or upstream of manifolds.
  - Every 1,500 feet along mainlines.
- **2" COMBINATION AIR RELEASE/VACUUM GUARD & 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.
- **¾" & 1" AUTOMATIC CONTINUOUS ACTING AIR VENTS**
  - For high spots where air accumulates.
- **¾" & 1" CONTINUOUS ACTING/VACUUM GUARD AIR VENT**
  - 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.

### SPECIFICATIONS

- Maximum operating pressures:
  - 1", 2" Nylon Combination: 250 psi
  - 1", 2" Nylon Combination: 150 psi
  - ¾" & 1" Automatic: 250 psi
- Five year warranty

## COMBINATION AIR/VACUUM AND CONTINUOUS ACTING AIR VENTS

### AIR AND VACUUM FUNCTION



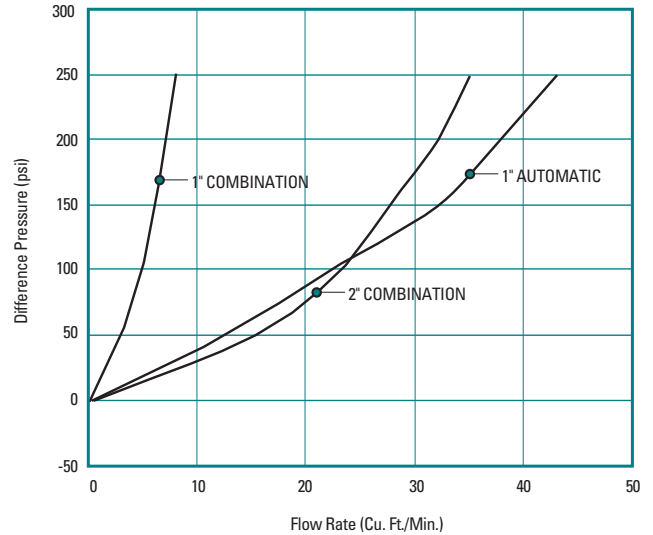
### COMBINATION AIR/VACUUM AND CONTINUOUS ACTING AIR VENT STAGES OF OPERATION

1. During start-up, the air vent discharges large volumes of air.
2. As the system builds pressure, the body fills with water, forcing the float upwards and closing the air vent.
3. While the system is pressurized, the "automatic" function continuously releases accumulated air.
4. At shutdown, the air vent's large opening allows air back into the system preventing the pipe and accessories from collapsing, and preventing suction of mud and debris.

### AUTOMATIC CONTINUOUS ACTING AIR VENT STAGES OF OPERATION

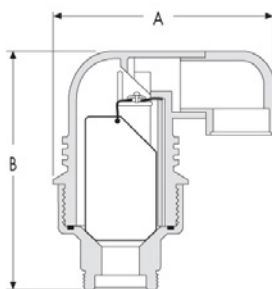
1. While the system is pressurized, air accumulates in the body, systematically dropping the rolling seal mechanism releasing the trapped air.
2. After air is released, water again enters the body and forces the float to close the air vent.

### AIR RELEASE FLOW RATE

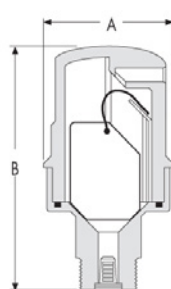


## DIMENSIONS, WEIGHT AND ORDERING INFORMATION

	MODEL NUMBER	MAX. PSI	NOMINAL SIZE	DIMENSION A	DIMENSION B	WEIGHT	CONNECTION
2" Nylon Combination	65ARIB2	250	2"	7.09"	8.23"	2.35 lbs	2" NPT Male Thread
2" Nylon Combination (Brass Base)	65ARIB2-B	250	2"	7.09"	8.23"	4.75 lbs	2" NPT Male Thread
2" Nylon Combination	65ARIB2PP	150	2"	7.09"	8.23"	1.90 lbs	2" NPT Male Thread
2" Nylon Combination (Brass Base)	65ARIB2-BPP	250	2"	7.09"	8.23"	3.80 lbs	2" NPT Male Thread
2" Nylon Combination Vacuum Guard	65ARIB2VM	250	2"	8.09"	8.23"	2.50 lbs	2" NPT Male Thread
1" Nylon Combination	65ARIB1	250	1"	3.93"	5.51"	0.66 lbs	1" NPT Male Thread
1" Nylon Combination (Brass Base)	65ARIB1-B	250	1"	3.93"	5.51"	1.54 lbs	1" NPT Male Thread
1" Nylon Combination	65ARIB1-150	150	1"	3.93"	5.51"	0.65 lbs	1" NPT Male Thread
3/4" Automatic	65ARIS075	250	3/4"	3.20"	5.51"	0.56 lbs	3/4" NPT Male Thread
3/4" Automatic Vacuum Guard	65ARIS075VM	250	3/4"	3.20"	5.51"	0.56 lbs	3/4" NPT Male Thread
1" Automatic	65ARIS1	250	1"	2.95"	5.51"	0.65 lbs	1" NPT Male Thread
1" Automatic Vacuum Guard	65ARIS1VM	250	1"	3.20"	5.51"	0.66 lbs	1" NPT Male Thread



Combination Air Vents



Automatic Air Vents



**NETAFIM USA**  
 5470 E. Home Ave.  
 Fresno, CA 93727  
 CS 888 638 2346  
[www.netafimusa.com](http://www.netafimusa.com)