



APPROVED

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UNITED Fire Systems
SPRINKLER ACCESSORIES

Data Sheet UFS-700
Rev 3.05 Page 1 of 1



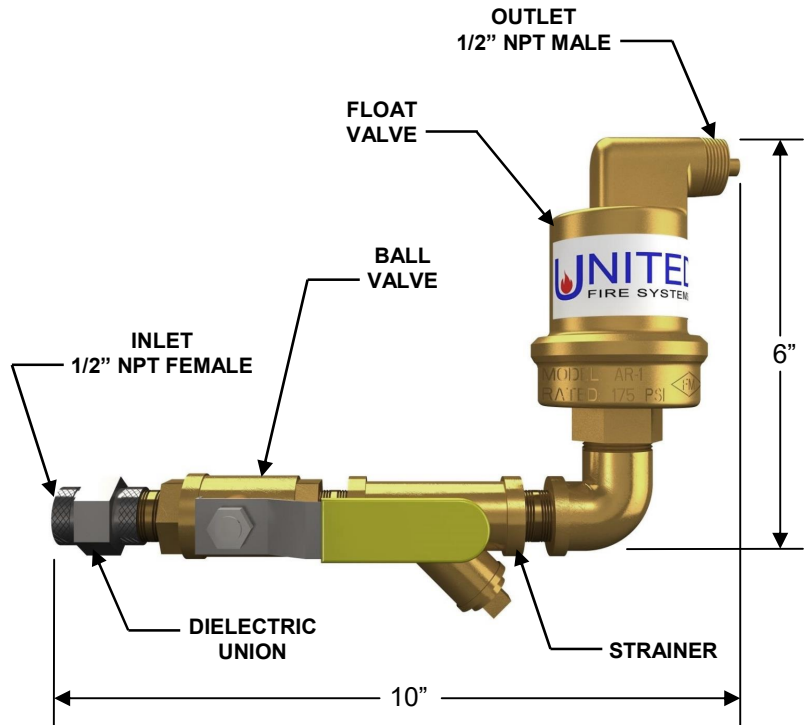
AIR VENT FOR WET SPRINKLERS MODEL AR-1

DESCRIPTION

The **FM Approved UNITED Fire Systems Model AR-1** Automatic Air Vent for Wet Sprinklers is a device for automatically releasing the trapped air from the high point(s) of a wet-pipe sprinkler system to comply with the NFPA 13 requirement for air venting.

Trapped air contains oxygen, which, when combined with water, is the primary cause of internal pipe corrosion. This corrosion can lead to pipe blockage, leaks, and pipe failure.

The **FM Approved UNITED Fire Systems AR-1** Air Vent is installed at the system high point(s). Air is vented until water reaches the internal float valve, which automatically closes the device to prevent water release.



NOTE: Dimensions are approximate.

FEATURES AND BENEFITS
Compare to Competition

- **FM Approved** – Complies with NFPA 13 component listing requirement.
- **CSFM Listed** – No. 5525-2143:0500.
- **Dielectric Union** – Aids installation and prevents dissimilar metal corrosion.
- **Inlet Ball Valve** – Allows servicing without draining sprinkler system.
- **Float Valve** – Automatic shutoff of outlet when air is vented and water reaches device.
- **Strainer** – Protects float valve from particulate matter that could interfere with valve seat and cause leakage.
- **Outlet Tubing Connection** - Provides optional connection for remote draining.

Model No.	Temperature Range	Maximum Pressure
AR-1	+40°F to +120°F	175 PSIG

For downloadable architect's specifications and drawing details, go to: www.unitedfiresystems.com/air-release-wet-sprinklers