## WET SPRINKLER SYSTEM ACCESSORIES

# AIR RELEASE FOR FIRE SPRINKLER SYSTEMS
# MODEL AARS

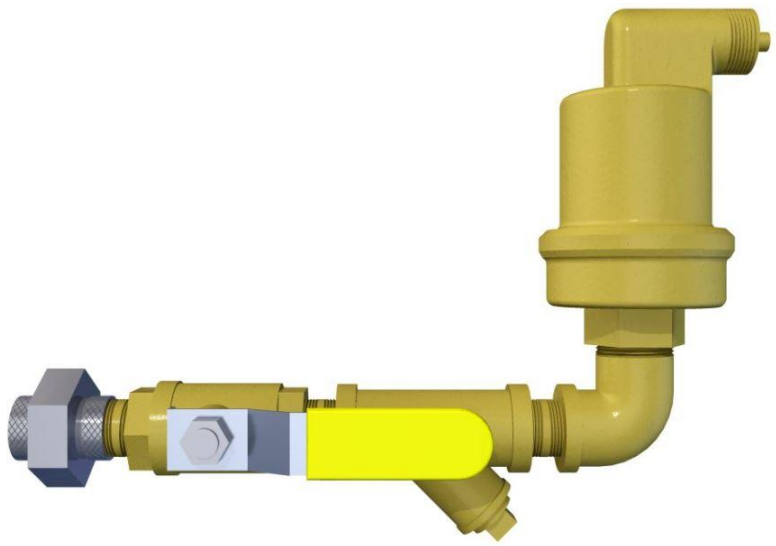
The Huguenot Laboratories Model AARS Fire Sprinkler System Air Release is a device for releasing the trapped air from the high point of a wet sprinkler system.

Trapped air in a wet sprinkler system significantly increases internal corrosion by greatly increasing the dissolved oxygen levels in the water. Concentration levels of dissolved oxygen in the trapped air can be as high as 40 PPM. Corrosion rates respond linearly to the dissolved oxygen level.

Typical problems caused by this oxygen are the formation of tubercles and corrosion deposits. If not corrected, trapped air can lead to pipe blockages, leaks, and pipe failure.

Using a Huguenot Laboratories AARS air vent at the system high point allows oxygen rich air to vent from the system.

Air in the system migrates to the vent. The vent automatically closes when water reaches the vent. A 1/2" NPT male connection allows installers to pipe to a drain, eliminating unwanted water discharge.



| Model No. | Inlet | Outlet (Drain) | Temperature Range | Maximum Pressure |
|---|---|---|---|---|
| AARS | 1/2" NPT Female | 1/2" NPT Male | +40°F to +120°F | 175 PSIG |

**NOTES**

1. Unit is factory assembled – do not disassemble.
2. Unit must be mounted upright as shown.
3. Inlet union may be used to facilitate installation and properly position unit.

Model AARS Includes:

- Qty. (1) Dielectric Inlet Union
- Qty. (1) Ball Valve
- Qty. (1) Y Strainer with Removable Drain Plug
- Qty. (1) Float Valve

**IMPORTANT**

The 2016 edition of NFPA 13, *Standard for the Installation of Sprinkler Systems*, requires a method to vent trapped air in all new wet pipe sprinkler systems. Language from this edition is as follows:

**7.1.5 Air Venting.** A single air vent with a connection conforming to 8.16.6 shall be provided on each wet pipe system utilizing metallic pipe.

**7.1.5.1** Venting from multiple points on each system shall not be required.

**8.16.6 Air Venting.** The vent required by 7.1.5 shall be located near a high point in the system to allow air to be removed from that portion of the system using one of the following methods:

1. Manual valve minimum 1/2" size
2. Automatic air valve
3. Other approved means.

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