**PURGE VENT ASSEMBLY – FIXED ORIFICE**

**MODEL PVA-2**

**Description**
The UNITED Fire Systems Model PVA-2 is a device to purge air from the interior of pre-action sprinkler system piping, allowing a NITROGEN-PAC™ sprinkler corrosion inhibiting system to replace the air with nitrogen. The purge vent assembly is connected to the sprinkler piping in the vicinity of the inspector’s test connection. A float valve prevents the escape of water from the device in the event of opening of the pre-action valve and filling of the piping with water. A fixed orifice regulates the amount of gas leaving the piping. The purge vent also serves as the connection point for sampling tubing to a TRUE ADVANCED PURGE™ (TAP) automatic purge and permanently installed N₂ analysis device. A drain plug allows periodic draining of accumulated water.

**Specifications**
- Model Number: PVA-2
- Orifice Size: 0.016 inch diameter
- Connection Point Type: Push-to-Connect Fitting for Sampling Tubing
- N₂ Measurement Method: TRUE ADVANCED PURGE™ (TAP) Device (see Data Sheet UFS-317B)
- NITROGEN-PAC™ Product Series: Use with:
  - Model SC-W System
  - Model SC-1 System
  - Model SC-2 System
  - M Series Systems

**Notes**
1. Model PVA-2 includes ball valve, union, strainer, drain plug, float valve, and sampling tubing connecting fitting.
2. Unit is factory assembled – DO NOT disassemble.