

Data Sheet UFS-314D Rev. 1.01 Page 1 of 1

NITROGEN-PAC ACCESSORIES

PURGE VENT ASSEMBLY – FIXED ORIFICE MODEL PVA-4

Description

The **UNITED Fire Systems Model PVA-4** 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 an N₂ analyzer to assess the percent nitrogen in the pipe. A drain plug allows periodic draining of accumulated water.

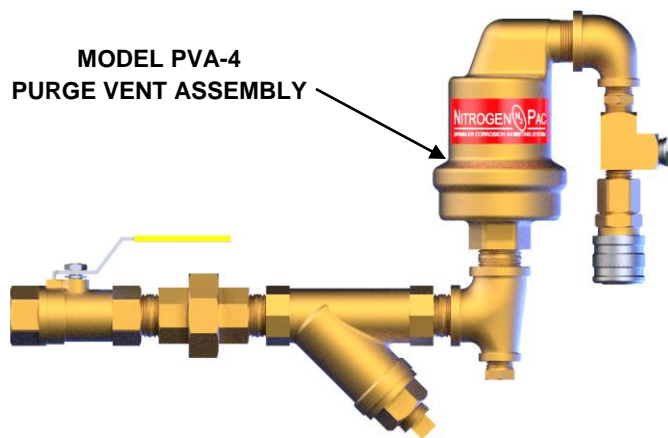


FIGURE 1

Specifications

- Model Number: PVA-4
- Orifice Size: 0.010 inch diameter
- Connection Point Type: Quick-Connect, Female
- N₂ Measurement Method: Hand-held N₂ Analyzer, **Model NA-2** (see Data Sheet UFS-316B)
- **NITROGEN-PAC™** Product Series: Use with **Model SC-W** systems

Notes

1. **Model PVA-4** includes ball valve, union, strainer, drain plug, float valve, muffler, and N₂ analyzer connection point.
2. Unit is factory assembled – **DO NOT** disassemble.

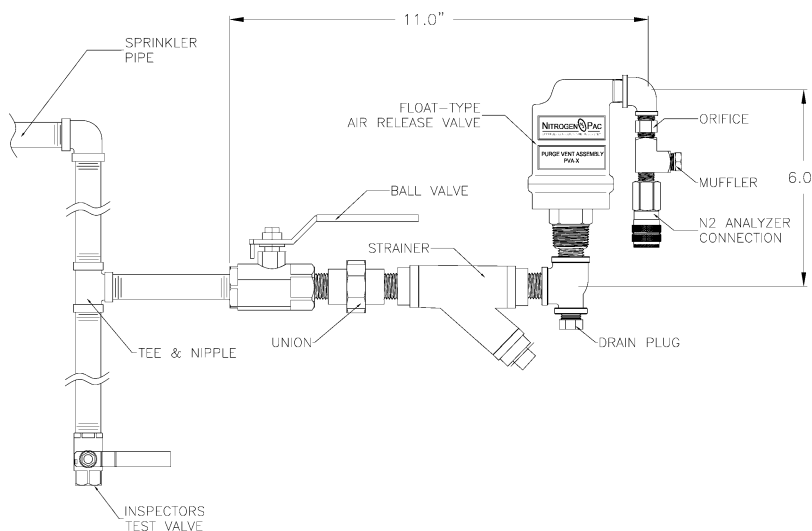


FIGURE 2

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This literature is provided for informational purposes only. United Fire Protection Corporation assumes no responsibility for the product's suitability for a particular application. The product must be properly applied to perform as intended.