

NITROGEN-PAC ACCESSORIES

PURGE VENT ASSEMBLY – FIXED ORIFICE MODEL PVA-1

Description

The **UNITED Fire Systems Model PVA-1** 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.

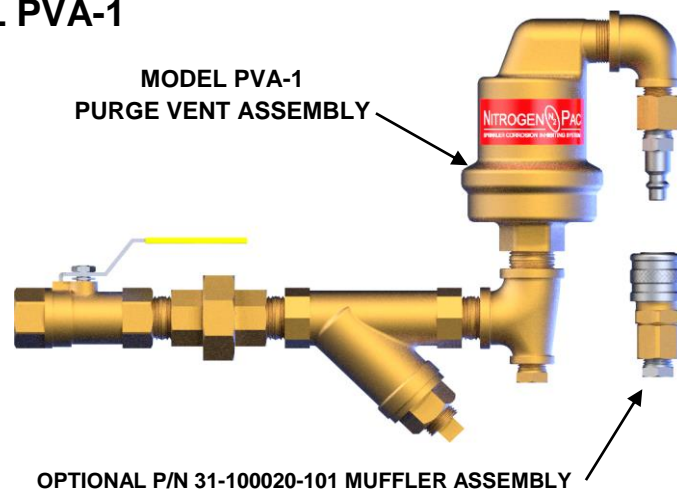


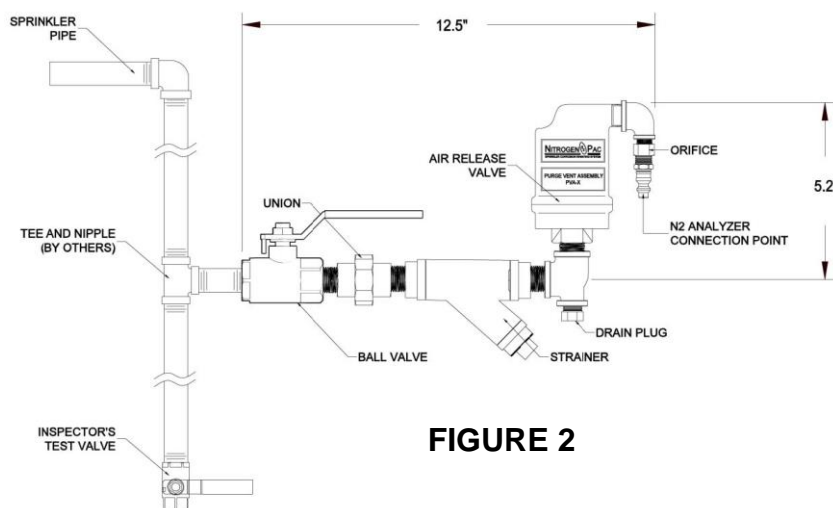
FIGURE 1

Specifications

- Model Number: PVA-1
- Orifice Size: 0.016 inch diameter
- Connection Point Type: Quick-Connect, Male
- N₂ Measurement Method: Hand-held N₂ Analyzer, **Model NA-1** (see Data Sheet UFS-316A)
- **NITROGEN-PAC™** Product Series: Use with **M Series** systems

Notes

1. **Model PVA-1** includes ball valve, union, strainer, drain plug, float valve, and N₂ analyzer connection point.
2. Unit is factory assembled – DO NOT disassemble.
3. See Figure 1. Muller assembly **P/N 31-100020-101** is available as an option for attachment to **Model PVA-1** quick-connect outlet. Assembly should provide approx. 15 dB noise reduction at **Model PVA-1**. Muller may be removed for attachment of hand-held N₂ analyzer.



UNITED Fire Systems

Division of United Fire Protection Corporation
1 MARK ROAD

KENILWORTH, NJ 07033 USA

PHONE: 908-688-0300 FAX: 908-688-0218

unitedfiresystems.com

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.