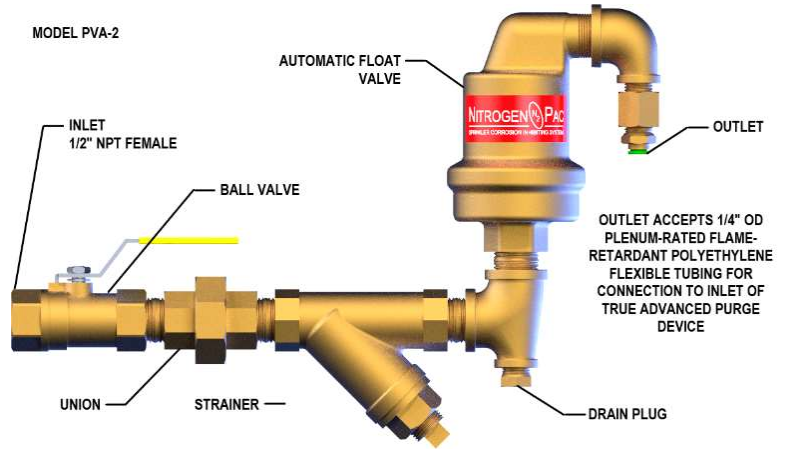




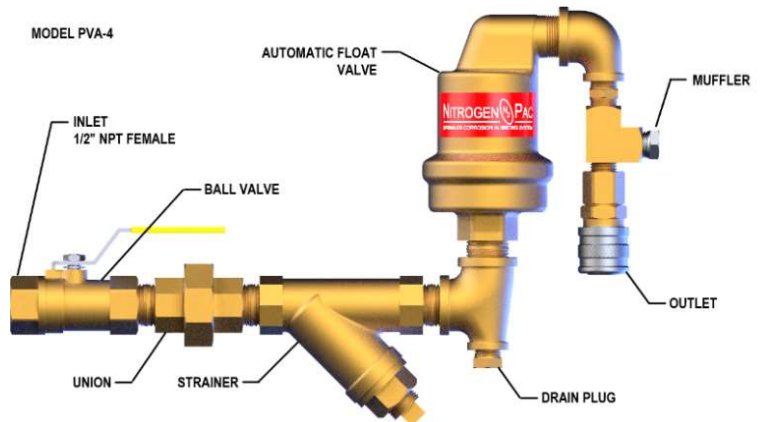
**PURGE VENT ASSEMBLY – MODEL PVA**

**DESCRIPTION**

The **UNITED Fire Systems Purge Vent Assembly - Model PVA** is a device to purge air from the interior of preaction and deluge 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 sprinkler 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 N<sub>2</sub> analyzer to assess the percent nitrogen in the pipe. A drain plug allows periodic draining of accumulated water.



**GENERAL ARRANGEMENT – FIGURE 1**



**GENERAL ARRANGEMENT – FIGURE 2**

**TECHNICAL SPECIFICATIONS**

Model	Orifice Diameter (inches)	Connection Point (Outlet) Type	N <sub>2</sub> Measurement Method	Used With NITROGEN-PAC™ Model / Series	General Arrangement Figure	Installation Figure
PVA-2	0.016	Push-To-Connect For Sampling Tubing	<b>TRUE ADVANCED PURGE™ (TAP) Device*</b>	All	1	A
PVA-4	0.010	Quick-Connect, Female	Hand-held N <sub>2</sub> Analyzer, Models <b>NA-2**</b> and <b>NA-3***</b>	All	2	B

\* Refer to Data Sheet UFS-317B

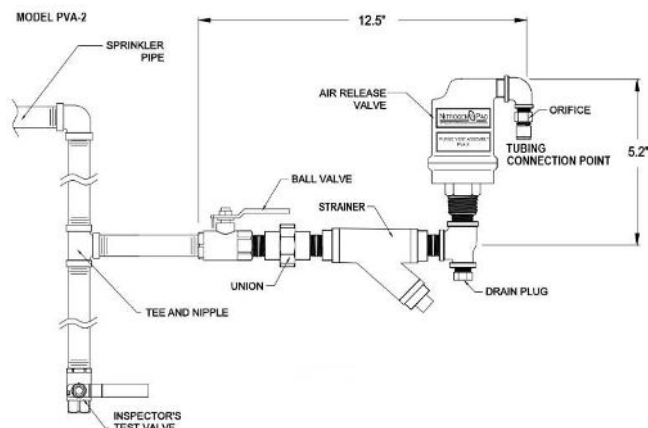
\*\*Refer to Data Sheet UFS-316B

\*\*\*Refer to Data Sheet UFS-316C

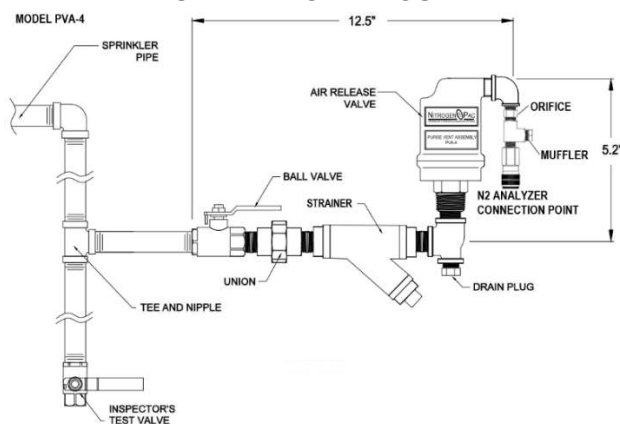
**UNITED Fire Systems**

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**PURGE VENT ASSEMBLY – MODEL PVA**

**NOTES**

1. For proper operation, install units upright as shown in installation figures
2. Units are factory-assembled – DO NOT disassemble.
3. Union may be used for proper orientation of unit at installation.
4. **Model PVA-4** is factory-equipped with exhaust muffler.
5. Units include ball valve, union, strainer, drain plug, float valve, orifice, and N<sub>2</sub> analyzer connection point.
6. All units – Inlet is 1/2 inch NPT female.

**INSTALLATION – FIGURE A**

**INSTALLATION – FIGURE B**
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