TRUE ADVANCED PURGE SYSTEM
MODEL TAP-G2

Description
The UNITED Fire Systems True Advanced Purge System Model TAP-G2 is designed to automatically purge air from within a dry-pipe or preaction sprinkler system and replace the air with 98% nitrogen from a NITROGEN-PAC™ sprinkler corrosion inhibiting system. The system also automatically samples, analyzes, and displays the percentage of nitrogen within the pipe.

Features
• Automatic initial purge sequence for removal of air from sprinkler system piping and replacement with 98% nitrogen.
• Automatic maintenance purge sequence for the removal of residual water from inside the pipe.
• Automatic sampling of gas from inside the pipe and permanent display of nitrogen concentration.
• Easy to read front panel display of nitrogen concentration, purge status, time, and date.
• Mounts separately from associated purge vent assembly and connects with plenum-rated tubing.
• Advanced, self-calibrating gas sensing technology with long sensor life.
• Relay output for system fault remote notification including low nitrogen concentration after automatic initial purge sequence.

Benefits
• Eliminates manual operation of ball valves to regulate purging.
• Eliminates manual use of hand-held nitrogen analyzer to measure nitrogen concentration in the pipe.
• Read nitrogen value at eye level – no need to climb up to purge vent locations.
• Unit requires no periodic calibration.
• Local and remote signaling of fault conditions.
• Automatic purge sequencing minimizes compressor run time, lengthening compressor life and reducing energy consumption cost.

Figure 1 – Front Panel Display
(Normal Status)
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**Technical Data**
- Power requirement = 115 VAC 60 Hz single phase
- Approximate current draw = 1.1 amps.
- Accuracy = ±0.01%
- Resolution = 0.1%
- Predicted sensor life = 5 years
- Maximum length of tubing from PVA-2 to TAP = 1000 feet

**Notes**
- Model TAP-G2 is to be installed as shown in Figure 3. For use of TAP-G2 with any other mechanical purge vent, consult UNITED Fire Systems.
- For additional data on Model PVA-2 Purge Vent Assembly, refer to Data Sheet UFS-314A.

**Ordering Information**
Model TAP-G2 includes:
- True Advanced Purge assembly (P/N TAP-G2-115.)
- Twenty (20) feet of plenum-rated tubing to connect PVA-2 to TAP-G2. (If longer length required, contact UNITED Fire Systems.)
- Installation and Use Guide 1.00 (P/N 33-000004-GE2.)