

**NITROGEN-PAC ACCESSORIES**

**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.

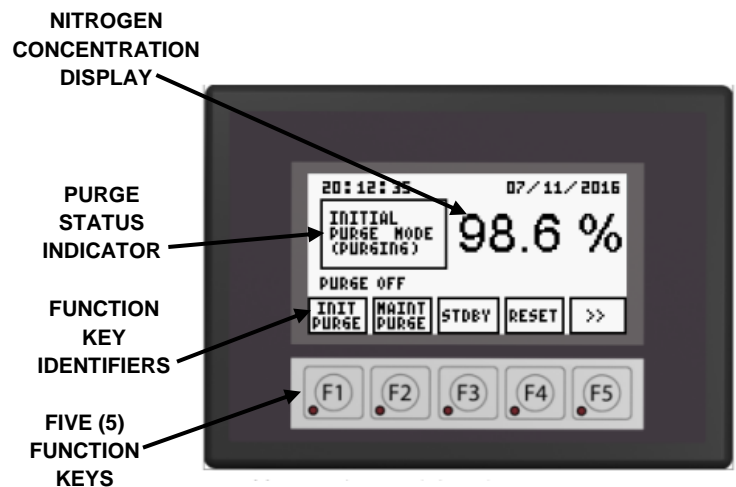


Figure 1 – Front Panel Display (Normal Status)

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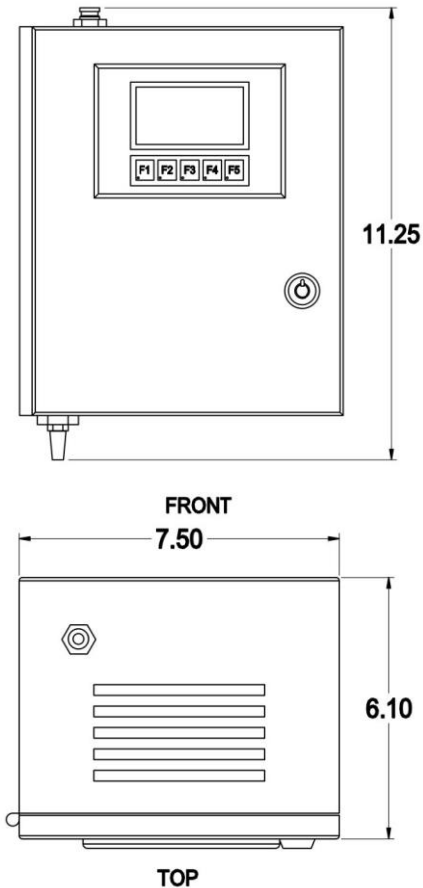
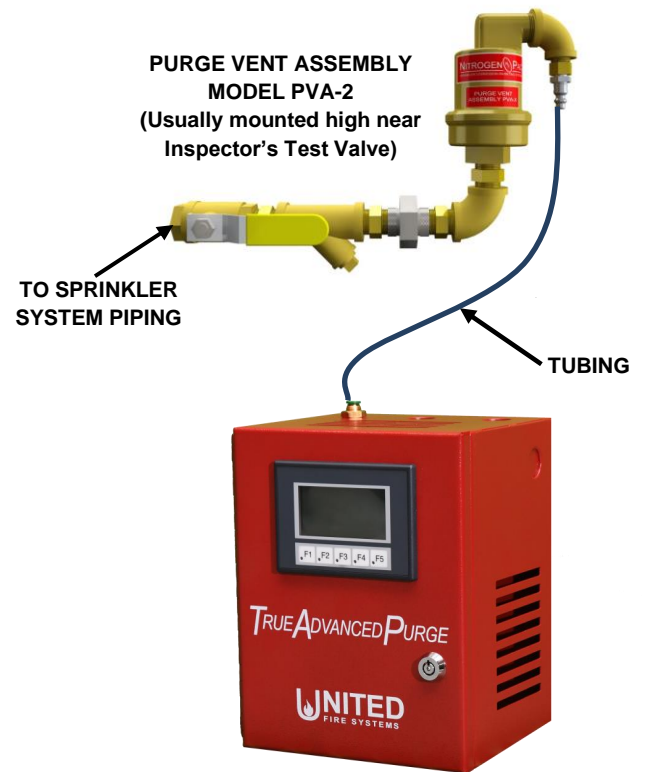


Figure 2 – TAP-G2 Dimensions



TRUE ADVANCED PURGE ASSEMBLY  
 MODEL TAP-G2  
 (Usually mounted at eye level)

Figure 3 – Typical Installation

**Technical Data**

- Power requirement = 115 VAC 60 Hz single phase
- Approximate current draw = 1.1 amps.
- Accuracy =  $\pm 0.01\%$
- 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.)

**UNITED Fire Systems**

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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.