

# AUTO-purge III – High Capacity INSTALLATION GUIDE

**Air Requirement.**

80 to 125 psig at 100 CFM, oil and dirt free. 1 to 24 purge cycles per day, with a field selectable duration between 30 and 120 seconds during which compressed air is released.

**Line Size from AUTO-purge Panel to Flow Measuring Station or Probes.**

| <u>Distance from AUTO-purge Panel to Flow Measuring Station or Probe</u> | <u>Tube Size</u> | <u>Tubing Wall Thickness (applies to all tube sizes)</u> |
|--|------------------|--|
| < 25'  | 3/4" S.S. tube   | .035" – Suitable for compression fittings                |
| 25' - 50'  | 1.0" S.S. tube   | .065" – Recommended for socket weld fittings             |

**Accumulator Tank** (strongly recommended).

Requires coalescing filter, pressure regulator, and check valve at the tank inlet.

- 120 gallons - All CA stations.
- 120 gallons - Multiple VOLU-probes having a combined length greater than 10'.

**Line from Accumulator Tank to AUTO-purge Panel.**

25' maximum length, 3/4" pipe (minimum). Recommend locating accumulator tank as close as possible to AUTO-purge panel.

**Electrical Power Requirement.**

|                                 | <u>In Rush</u> | <u>Hold</u> |
|---------------------------------|----------------|-------------|
| <input type="checkbox"/> 24VAC  | 74VA           | 62VA        |
| <input type="checkbox"/> 24VDC  | 28W            | 28W         |
| <input type="checkbox"/> 120VAC | 77VA           | 65VA        |

Add 21VA In Rush, 12VA Hold (8W) for 400 BTUH @ 100 psig ≤70°F for vortex cooler option.  
Add 3.2A @ 120VAC for 400 watt heater option.

**Ambient Temperature.**

40°F-140°F. For ranges above or below this ambient temperature, use of panel heater and/or cooler is required.

**Purge Frequency.**

Once/day minimum, once/hour maximum.

