

# 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.

