

AUTO-purge III INSTALLATION GUIDE

Compressed Air Requirement.

80 psig minimum, 175 psig maximum, oil and dirt free. Consumption is 20 ACFM, with field selectable purge duration of 30-120 seconds during which air is released. Air supply must be capable of maintaining 55 psig at the purge panel for the entire purge cycle.

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'	1/2" S.S. tube	.035" – Suitable for compression fittings
25' - 50'	3/4" S.S. tube	.065" – Recommended for socket weld fittings
> 50'	1.0" S.S. tube	

Accumulator Tank (strongly recommended). Includes check valve at the tank inlet.

- 120 gallons - All CA stations.
- 120 gallons - Multiple VOLU-probes having a combined length greater than 10'.
- 80 gallons - One or more VOLU-probes having a combined length less than 10'.

Line from Accumulator Tank to AUTO-purge Panel.

25' maximum length, 1/2" 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

NOTES:

Add 21VA In Rush, 12VA Hold (8W) for 400 BTUH @ 100 psig ≤70°F for vortex cooler option
Add 218VA for 200 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.



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