

CAMS 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 CAMS Panel to Flow Measuring Station or Probes.

<u>Distance from CAMS 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 CAMS Panel.

25' maximum length, 1/2" pipe (minimum). Recommend locating accumulator tank as close as possible to CAMS panel.

Electrical Power Requirement.

	<u>In Rush</u>	<u>Hold</u>
<input type="checkbox"/> 24VAC	85VA	73VA
<input type="checkbox"/> 24VDC	37W	37W
<input type="checkbox"/> 120VAC	106VA	92VA

Notes

Add 21VA In Rush, 12VA Hold (8W) for 400 BTUH @ 100 psig $\leq 70^{\circ}\text{F}$ for vortex cooler option.
Add 218VA for 200 watt heater option.

Ambient Temperature.

40°F to 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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