

CAMS 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 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).

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'.
- 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 ≤70°F for vortex cooler option.
Add 3.2A @ 120VAC for 400 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.



**AIR MONITOR
CORPORATION**