

CAMS - High Capacity INSTALLATION GUIDE

COMPRESSED AIR REQUIREMENT

80 psig minimum, 150 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 CAMS enclosure, for the entire purge cycle.

LINE SIZE FROM CAMS ENCLOSURE TO FLOW MEASURING STATION OR PROBES

Distance	Tubing Size	Tubing Wall Thickness Recommendation (applies to all tube sizes)
< 25'	3/4" stainless steel tube	.035" - Suitable for compression fittings
25' - 50'	1.0" stainless steel tube	.065" - Suitable for socket weld fittings

ACCUMULATOR TANK Strongly recommended. Includes check valve at the tank inlet.

Capacity	Equipment Served
120 gallons	All CA Stations
120 gallons	Multiple VOLU-probes having a combined length greater than 10'

LINE SIZE FROM CAMS ENCLOSURE TO ACCUMULATOR TANK

25' maximum length, 3/4" pipe line size (minimum). Recommend locating accumulator tank as close as possible to the CAMS enclosure.

ELECTRICAL POWER REQUIREMENTS

CAMS Supply Voltage	In Rush	Hold
24 VAC	85VA	73VA
24 VDC	37W	37W
120 VAC	106VA	92VA

Notes:

For enclosure Vortex Cooler option, add 2 watts @ 24-99V / 50-60Hz/DC for 400 BTUH @ 100 psig ≤ 70°F.
For enclosure Heater option, add 1.7A @ 120VAC for 200 watt heater.

AMBIENT TEMPERATURE

40°F to 140°F. Ambient temperatures above or below this range may necessitate use of an enclosure cooler and/or heater.

PURGE FREQUENCY

Once a day (minimum), once per hour (maximum).