

AUTO-purge / CEM 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 AUTO-purge/CEM enclosure, for the entire purge cycle.

LINE SIZE FROM AUTO-purge/CEM ENCLOSURE TO STACK-probe

<u>Distance</u>	<u>Tubing Size</u>	<u>Tubing Wall Thickness Recommendation (applies to all tube sizes)</u>
< 25'	1/2" stainless steel tube	.035" - Suitable for compression fittings
25' - 50'	3/4" stainless steel tube	.065" - Suitable for socket weld fittings
> 50'	1.0" stainless steel tube	

IMPORTANT NOTE:

If freezing conditions are expected, a self-regulating heat trace with insulation and jacket is required for signal lines.

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

<u>Capacity</u>	<u>Equipment Served</u>
120 gallons	2 stack traverses
80 gallons	1 stack traverse

LINE SIZE FROM AUTO-purge/CEM ENCLOSURE TO ACCUMULATOR TANK

25' maximum length, 1/2" pipe line size (minimum). Recommend locating accumulator tank as close as possible to the AUTO-purge/CEM enclosure.

LINE SIZE FROM AUTO-purge/CEM ENCLOSURE TO MASS-tron II/CEM ENCLOSURE

200' maximum length, 1/4" stainless steel tubing

IMPORTANT NOTE:

Sloping of lines and drip legs are required for all applications. If freezing conditions are expected, a self-regulating heat trace with insulation and jacket, or a pre-fabricated umbilical, is required for signal lines.

ELECTRICAL POWER REQUIREMENTS

120 VAC, 10 amps

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).