

AUTO-purge / CEM 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/CEM to STACK-probe.

Distance from AUTO-purge
Panel to STACK-probe

< 25'
25' - 50'
> 50'

Tube Size

1/2" S.S. tube
3/4" S.S. tube
1" S.S. tube

IMPORTANT

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.

1 stack traverse	-	80 gallons
2 stack traverses	-	120 gallons

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.

Line from AUTO-purge Panel to MASS-tron/CEM.

Distance

200'

Tube Size

1/4" S.S. tube

IMPORTANT

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 are required for signal lines.

Electrical Power Requirement.

120 VAC, 10 amp. (For heater and/or cooler.)

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.

