

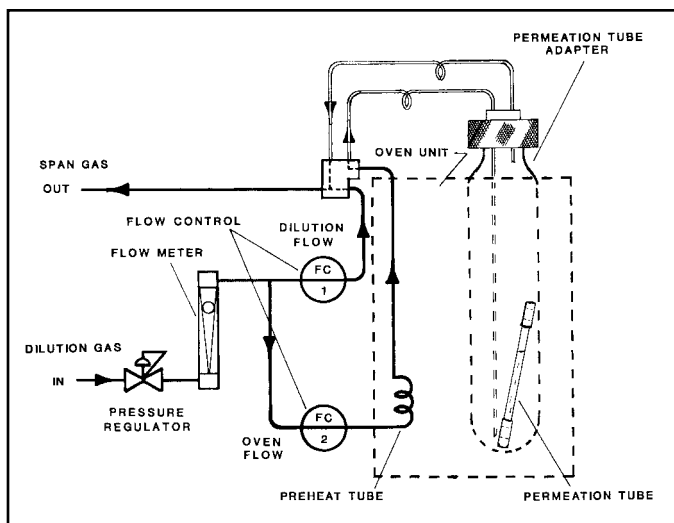


MODEL 670C

Precision Gas Standards Generator

DESCRIPTION

The **Model 670C Gas Standards Generator** is a basic, low cost Permeation Tube Oven System. It is a single oven, portable laboratory unit designed to use disposable permeation tubes, liquid filled, refillable permeation tubes or diffusion tubes. It generates low concentration (ppm-ppb) gas mixtures of moderate to low vapor pressure component compounds. Typical component compounds include Cl_2 , NO_2 , SO_2 , H_2S , water, formaldehyde, acrylonitrile, methyl hydrazine, etc.



**Flow Diagram
Model 670C**

APPLICATIONS

- **Rapid, multi-point calibration of environmental monitors.**
- **Calibrating high sensitivity GCs and other gas analyzers.**
- **Generating ppm and ppb mixtures of reactive gases.**
- **Testing passive gas badges and adsorption tubes.**
- **Generating controlled test atmospheres for environmental chambers.**

FEATURES

TEMPERATURE RANGE - The permeation oven of the **670C** is supplied with digital temperature control. The temperature selection range is 30°C to 150°C.

DILUTION FLOW - The standard dilution flow range of the **670C** is 0.25 to 2.5 l/min. Alternately, a 0.5 to 5 l/min range is available on request at no extra charge. Special order ranges of 1 to 10 l/min or 2 to 20 l/min are also available (see price list for details). Dilution gas is supplied to the instrument at 60 to 100 psig from an external source.

OUTPUT - The calibration mixture concentration can be varied over a wide range by selecting the appropriate Trace Source™ permeation tube, and by adjusting its operating temperature and the dilution flow rate.

Model 670C can deliver its calibration mixture to the analyzer at any pressure from atmospheric to 40 psig. This feature allows the system to be used with analyzers requiring a pressurized sample as well as those designed for sampling ambient air.

SPECIFICATIONS

Cabinet: 15" high x 12" wide x 10" deep

Weight: Approximately 27 lbs.

Perm Tube Capacity: 6 type HRT disposable tubes, or 1 LFH or ULED refillable tube.

Power Requirements: 120 V, 60 Hz (Special order for 220V)

NOTE: MODEL 670C is available with EP/2 modification. Standard unit is modified for use in hazardous areas designated N.E.C. Class 1, Group C or D, Div. II.