G-0071 Rev 1

Department of consumer and corporate affairs/Ministère de la consommation et des corporations

STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL
AVIS D'APPROBATION

G-71-1

OTTAWA June 7, 1974.

Canadian Meter Company, Model "VPT-1"
Volume, Pressure and Temperature Gauge

This approval covers modifications made to the Volume, Pressure and Temperature Recorder which was granted approval under G-71, December 22, 1970.

Apparatus

Static pressure ranges	0-5 to 0-1200 psig
Temperature range	$-30^{\circ}F$ to $+120^{\circ}F$
Thermal system	Class VB, mercury filled, case compensated, with armoured capillary up to 15 ft., and stainless steel sensing element
Volume increments	1,000, 2,000, 10,000 cu. ft. per cycle
Chart	Circular, 8 inch
Chart rotation	24 hrs., 7 days, 31* days per revolution

* This rotational period may produce a "painted" chart record if the capacity for the volume increments is not properly selected for the anticipated rate of flow OR if rapid pressure and/or temperature fluctuations exist in the line.

Description

The Volume-Pressure-Temperature Gauge described and approved under G-71 has been modified as follows:

1. The method of mounting and the positioning of the temperature system have been changed. The temperature system will now be mounted on two hexagon posts and this eliminates the

temperature bracket and shaft and related parts. The use of the counterweight on the temperature linkage described in G-71 has been discontinued. Take-off is directly from the element to the pen shaft.

2. When using Amco battery clocks, the battery mounting clip will be bolted directly to the back plate.

Any suitable and approved chart drive may be used in the type VPT-1 gauge.

Each Volume-Pressure-Temperature Gauge shall have a nameplate containing the following information:

Manufacturer's name, model designation, serial number, pressure range, temperature range, base pressure, base temperature and capacity of the volume increment per cycle.

Approval granted to:

Canadian Meter Company,
3037 Derry Road West,
Milton, Ontario.

J. A. Armstrong,
Chief, Standards Laborarory,

D. L. Smith,
Chief, Electricity & Gas Division,
Metroltogy and Laboratory Services

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