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-103

OTTAWA November 29, 1973.

CANADIAN METER COMPANY, TYPE AL-120-L.P.G. ALUMINUM CASE, STANDARD AND TEMPERATURE COMPENSATED, POSITIVE DISPLACEMENT LP-GAS METER

Apparatus

Badged capacity	150 cu. ft./hr. (air)
Differential pressure at badged capacity	0.5 inches w.c.
Capacity per tangent revolution	0.111 cu. ft.
Rev. ratio - tangent to 1 cu. ft. test dial	9:1
Test dials, volume per rev.	1 or 2 cu. ft.
Base temperature (T.C. meter)	60°F.
Compensating tangent activity	.00140 inches/°F.
Meter connections, side, female	3/4" N.P.T.
Max. working pressure	5 psig

Description

This gas meter is of conventional design. The meter case is cast in aluminum, with the front and back plates covering the diaphragms. Valves and valve seats are formed of plastic. Oil impregnated, porous bronze bushings provide self-lubricating bearings. The counter type register, approved in circular SD.GA.40 has four numerals followed by two zeroes. Two test dials are provided.

The standard meter has the conventional double adjustable tangent.

The temperature compensated version is identical to the standard meter except for the following:

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a) The standard double adjustable tangent is replaced by the temperature compensating tangent, illustrated in this circular and approved in circular S-GA.247.

b) The badge carries the additional information: "Temp. Comp. Cu. Ft. at 60°F"

During operation of the temperature compensated meter, the tangent length changes with the temperature change of the flowing gas, thus automatically adjusting the stroke of the diaphragms. The rate of change of the tangent length with temperature is suitably chosen so that regardless of the temperature of the flowing gas, meter registration indicates the volume at 60°F. When T.C. meters are tested in the field at temperatures other than 60°F, a correction chart should be used in establishing the errors of these meters.

The temperature compensated meters are intended for operation in temperatures normally prevailing in outside locations across Canada.

Approval granted to:

Canadian Meter Company Ltd.,
Milton, Ontario
and
Edmonton, Alberta.

J. L. Armstrong,
Chief, Standards Laboratory,
Metrology & Laboratory Services Branch.

W.J.S. Fraser,
Chief, Electricity & Gas Division,
Metrology & Laboratory Services Branch.

Ref: GL 1147-57/C6-780
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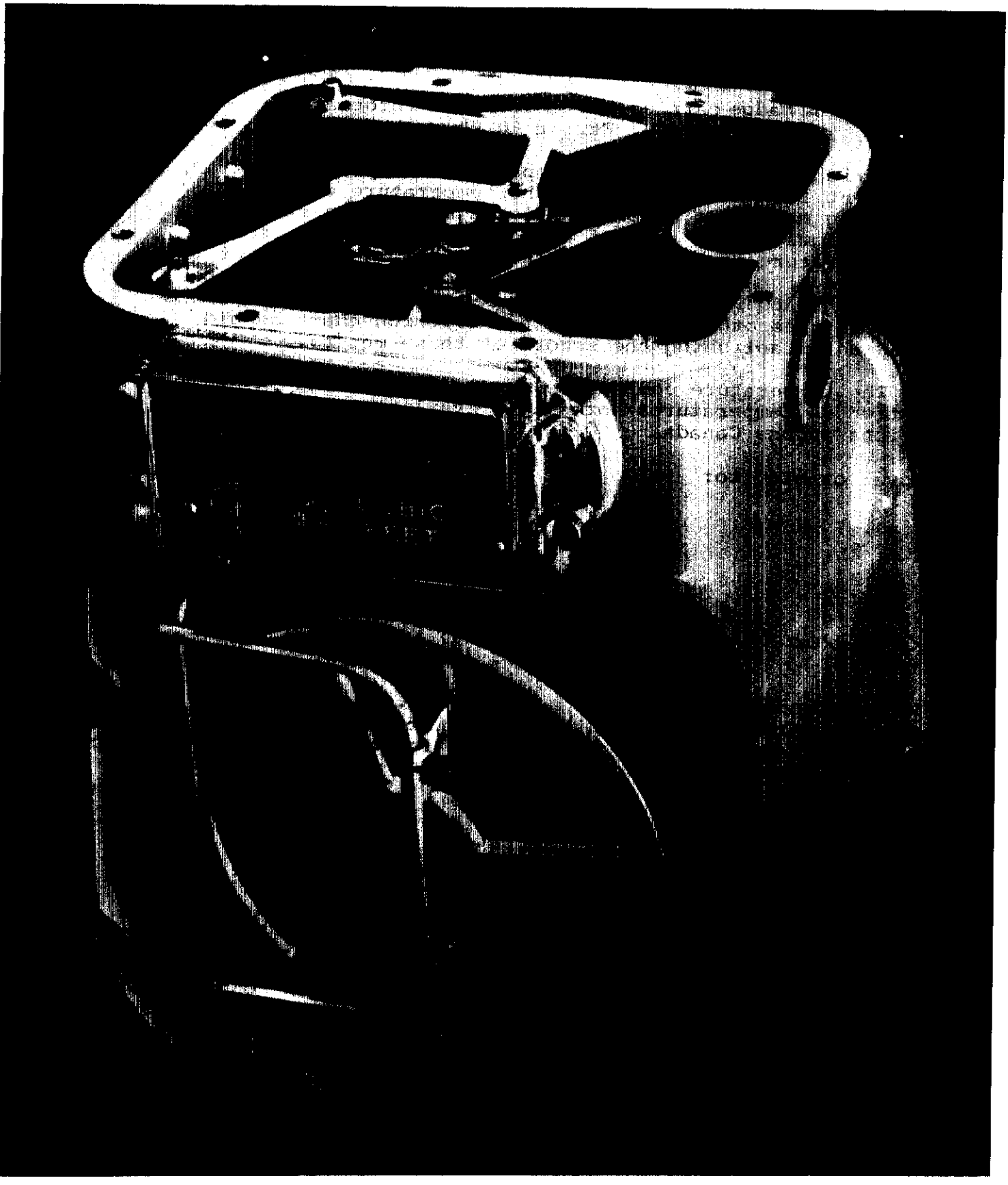

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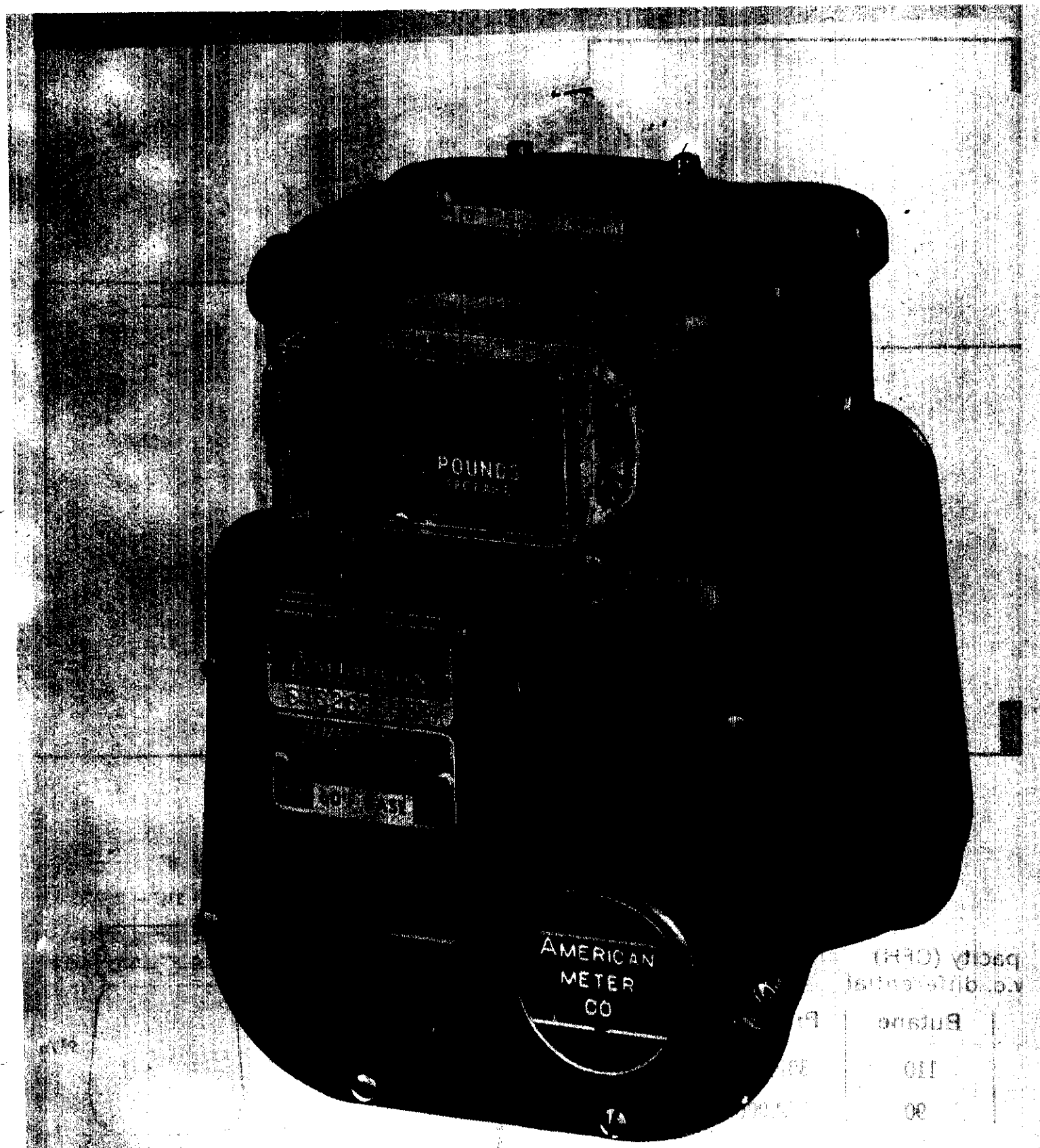

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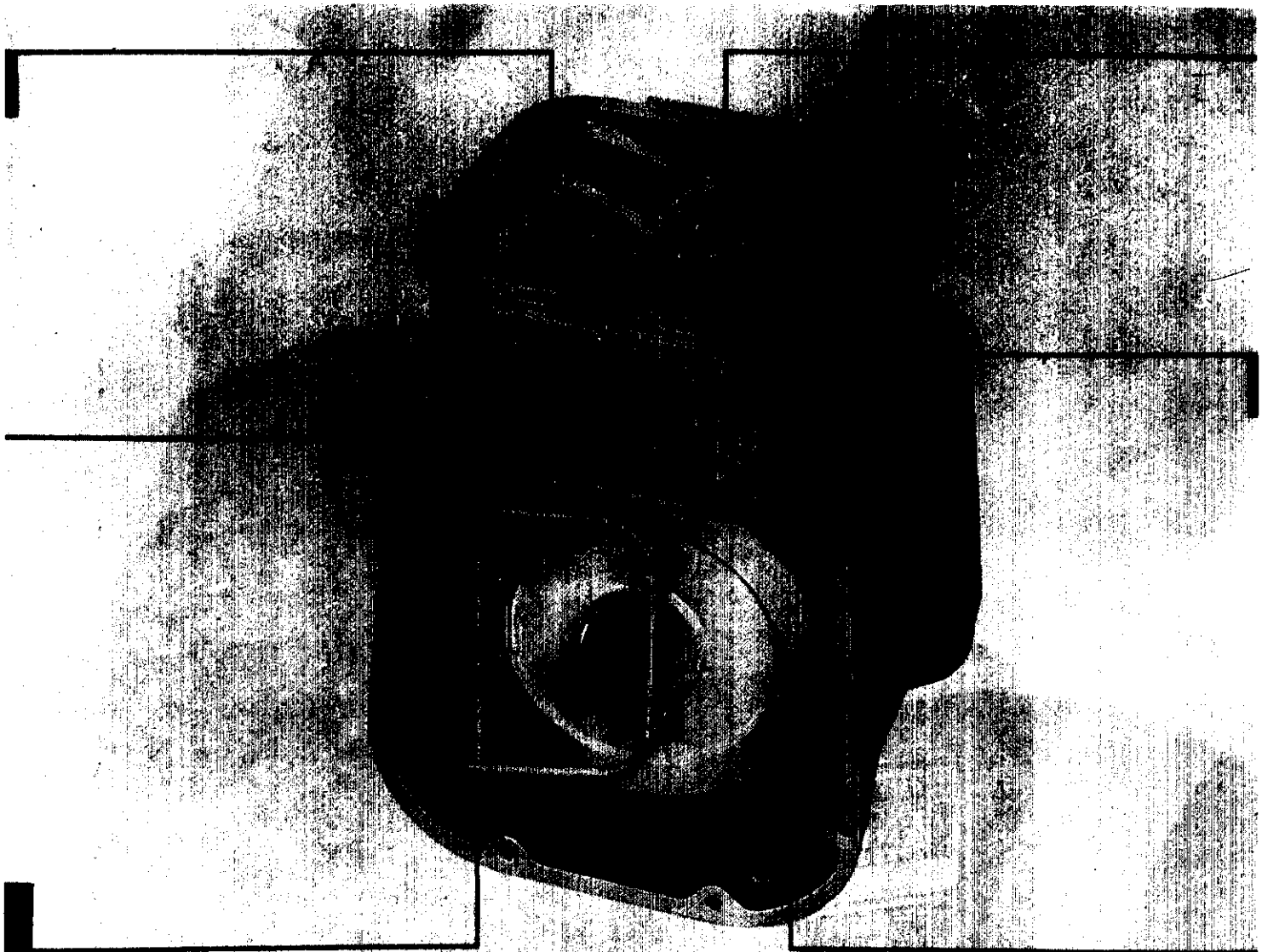

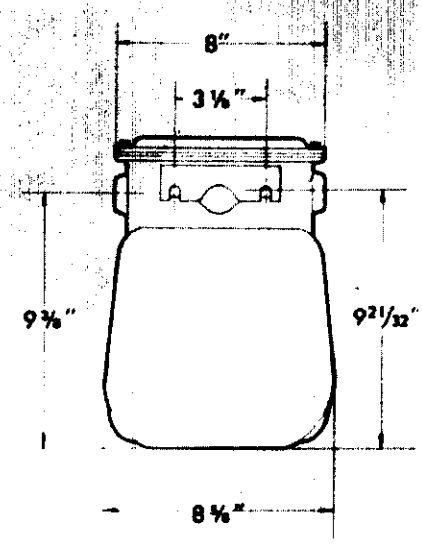

pacity (CFH)
v.c. differential

	Butane	Propane	Butane
	110	302,400	358,000
	90	252,000	293,400

Est. BTU per hour

nds