



CANADA

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS DIVISION

SD.GA.4

OTTAWA, June 8, 1950.
(Superseding Cir. Letter SD.GC.11, dated Feb. 22, 1950)

NOTIFICATION OF TYPE APPROVAL

The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of the Gas Inspection Act, Chapter 82, R.S. 1927, and may be admitted to verification in Canada.

Apparatus Approved: Type "D-1" Gas Meter, manufactured by Parkinson & Cowan (Gas Meters) Ltd., London, England, and sold in Canada by Hamer Meter Company, Toronto, Ontario.

Rating of Apparatus: 100 cu.ft. per hour.

Description: The principle of this meter is the well-tried orthodox type of two diaphragms, each with a tin/antimony alloy anti-friction transfer valve; as supplies become available, self-lubricating graphite valves can be substituted. Of radial design, the valve dimensions are arranged to give a very rapid opening to reduce oscillation and diaphragm stresses. The tangent is a new infinite micro-adjustment self-locking type. Adjustment can be made without removing the connecting links and the direction of correction is indicated. The meter is being initially manufactured in four forms, as follows:

1. Ordinary Open Top with $\frac{3}{4}$ " B.S.I. connections
2. Ordinary Open Top with 1" B.S.I. connections
3. Prepayment Open Top with $\frac{3}{4}$ " B.S.I. connections
4. Prepayment Open Top with 1" B.S.I. connections.

The general specifications for this type of meter are:

Badged capacity	100 cu.ft. per hour
Maximum temporary capacity	375 cu.ft. per hour, 10-lt. Ordinary 270 cu.ft. per hour, 5-lt. Ordinary and 10-lt. Prepayment 250 cu.ft. per hour, 5-lt. Prepayment
Differential pressure at badged capacity ..	Less than 0.18 inch W.G.
Differential pressure at maximum temporary capacity	Less than 0.5 inch W.G.
Revolutions per hour at badged capacity ..	1000
Capacity per revolution	0.1 cu.ft.
Oscillation	0.088 cu.ft. with metric index Less than .05 inch W.G.
Tangent	Rapid micro-adjustment, self-locking
Valves	Radial slide transfer
Diaphragms	Selected india-tanned sheepskin semi-chrome "Multitest" quality
Case	100 ft. I.G.E. dimensions
Unions	B.S.I. No. 746-1937.

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