

TRADE AND COMMERCE
CANADA

SD-GA.67

STANDARDS DIVISION

OTTAWA, April 6, 1955.

TYPE APPROVALPARKINSON & COWAN TYPE "215" GAS METER

The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of the Gas Inspection Act, Chapter 129, R.S.1952, and may be admitted to verification in Canada.

Apparatus Approved: Type "215" Positive Displacement Gas Meter, manufactured by Parkinson & Cowan (Gas Meters) Limited, London, England, and distributed in Canada by Duragas Equipment Limited, 467 Spadina Avenue, Toronto, Ontario.

Rating of Apparatus:

*Badged Capacity 175 cu.ft./hr.(air)
 Differential Pressure at badged capacity 0.45" water gauge
 *Capacity per revolution 0.059 cu.ft.
 Connections (male) $\frac{3}{4}$ "
 Maximum Working Pressure 5 p.s.i.

* To be shown on nameplate.

criptions: The type "215" meter is an orthodox two-diaphragm type with radial slide transfer valves. Although based on accepted principles, the design introduces new methods of construction so as to achieve reductions in cost. This includes the adoption of precision press engineering techniques to replace as far as possible skilled soldering operations.

The meter case is constructed from three deep drawn pressings -- the meter top, meter bottom and the valve plate -- the last being sandwiched between the other two and soldered in one operation. The meter is of small size for its capacity. The manufacturer attributes this to careful attention being paid to layout, to designing to produce the maximum mechanical efficiency, and to the fact that the bottom case of the meter is allowed to contain exhaust gas thereby dispensing with the meter partition and the conventional outlet gasway. The valves and valve seats are moulded in graphitised phenolic. Diaphragms are East India tanned sheepskins.

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