



TRADE AND COMMERCE
CANADA

SD-GA.17

STANDARDS DIVISION

OTTAWA, May 27, 1952.

TYPE APPROVALBEGWACO "FLOMASTER 'MARK B'" 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 82, R.S.1927, as amended, and may be admitted to verification in Canada.

Apparatus Approved: "FLOMASTER 'Mark B'" Die-Cast Domestic Gas Meter, manufactured by Begwaco Meters Limited, Farnworth, Lancs., England.

Rating of Apparatus:

Badged capacity	200 cu.ft./hr.(air)
Differential pressure at badged capacity ...	0.3" water gauge
Capacity per rev.	0.11 cubic foot
Connections	1"


Description: The meter is a high capacity, dry pattern, positive displacement meter. Some of its distinctive features are:-

The diaphragm compartments are constructed from four separate light alloy castings, each diaphragm being held between a pair of castings. The diaphragm may be regarded as sweeping the contents of the diaphragm chamber and not as being the limiting factors of capacity, since they fall upon the rigid walls of the enclosing chambers at each end of the sweeping stroke.

The recording of the index, which is the usual "clock face" type, is adjusted to the actual throughput of the meter by varying the ratio of a pair of change wheels by a small percentage each side of equal. The variation percentage is that within which the accuracy of the internal unit can consistently be reproduced.

The metering unit is enclosed by a light alloy die-cast case, the inlet and outlet tubes being cast integrally with the rear half. The front half has a groove extending around its edge into which is inserted a sealing gasket upon which bears a suitable edge face on the rear half, thus achieving a gas-tight joint under the pressure of the screws which are placed outside the gas-enclosing area and are therefore not causes of leakage.

The sealing of the meter is effected over a lug on the index frame which simultaneously prevents removal of the upper sealing screw. The sealing screws, the screws retaining the index frame, and the two lugs covering the screws which hold the mechanism to the case on the right side of the meter are wired together to effectively seal the meter.


R. W. MacLean,
Director,
Standards Division.


E. F. Power,
Assistant Director (E&G),
Standards Division.

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