

DEPARTMENT OF



TRADE AND COMMERCE
CANADA

S-GA.295

STANDARDS DIVISION

OTTAWA, July 13, 1964.

TYPE APPROVAL

CANADIAN METER COMPANY, TYPE 500B, TEMPERATURE

COMPENSATED POSITIVE DISPLACEMENT GAS METER

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

Apparatus Approved: Type 500B, Temperature Compensated Positive Displacement Gas Meter, manufactured and distributed in Canada by the Canadian Meter Company Limited, Milton, Ontario.

Rating of Apparatus:

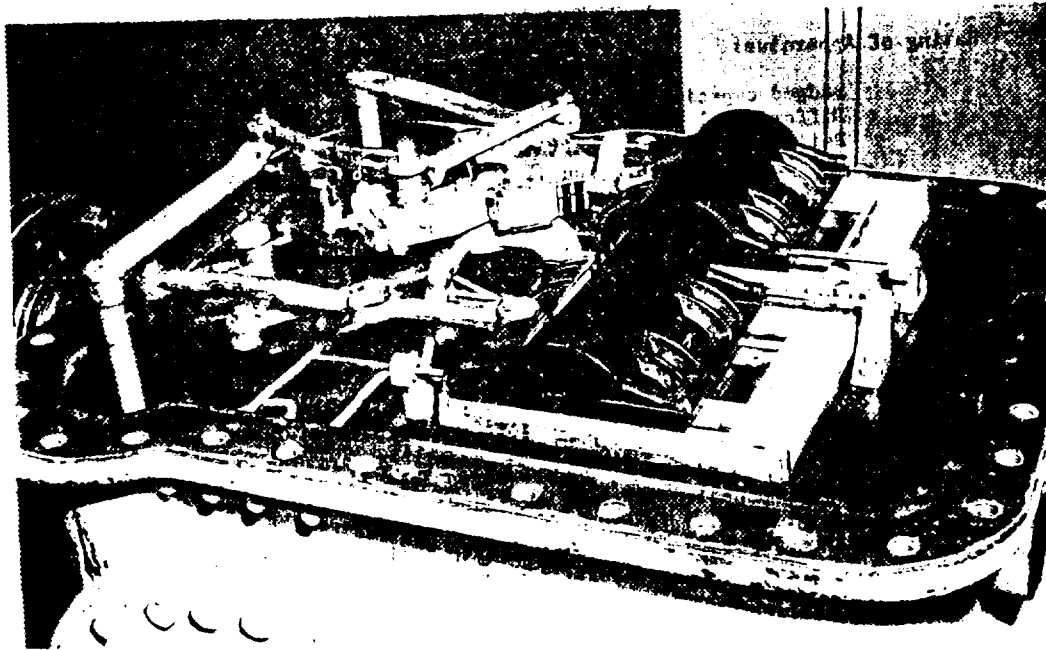
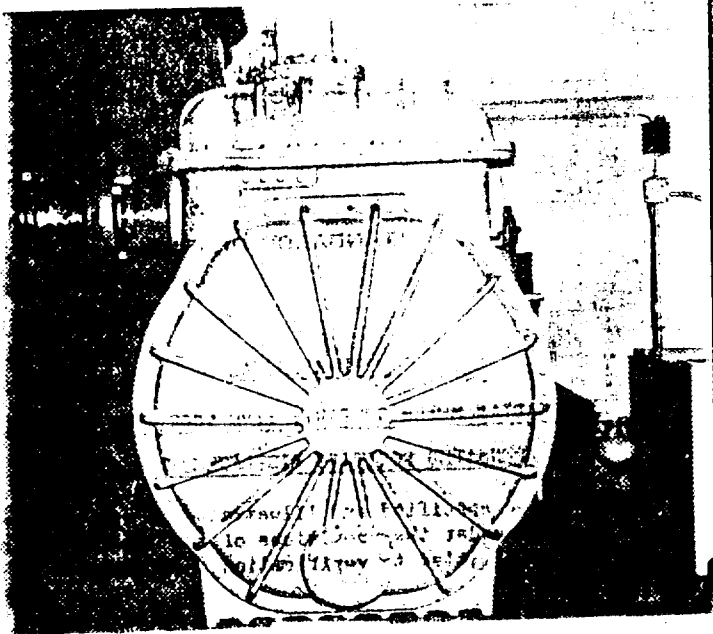
Badged capacity	3750 cu. ft./hr. air
Differential pressure at badged capacity ...	0.5" water gauge
Ratio from tangent shaft to test dial shaft	5:2
Capacity per revolution	4.00 cu. ft.
Working pressure	75, 100, 250 and 350 p.s.i.
Base Temperature	60°F.
Compensating tangent activity	0.00362"/°F.
Connections (female)	4" N.P.T.

Description: This meter is similar to the non-compensated type 500B, approved in the Circulars S-GA.215, dated November 2, 1961; SD-GA.159, dated June 30/1959; SD-GA.146, dated October 30/1958; 53/Gas, dated April 14/1930 and 34/Gas, dated July 11/1923, and should be identical to the present day production sample, except for the following alterations:-

- a) The conventional double adjustable tangent is replaced by a temperature compensated tangent, as illustrated.
- b) A separate plate, attached to the meter, contains the inscription: "Temp. Comp. Cu. Ft. at 60°F."
- c) Diaphragms are "low temperature Duramic" (D7) synthetic type only.

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COMPENSATED POSITIVE DISPLACEMENT GAS METER



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The tangent is similar in design to the one used with temperature compensated meter, type AL5000, except for the different tangent activity and the addition of two lock-nuts to secure the position of the valve timing adjustment.

This approval covers the new, type 500B temperature compensated gas meters only.

W. J. D. Fraser

(for) E. F. Power,
Chief, Electricity and Gas Division,
Standards Branch.

R. W. MacLean

R. W. MacLean,
Director,
Standards Branch.

Reference: SL-100-780C

