



S-GA.245

TRADE AND COMMERCE  
CANADA

STANDARDS BRANCH

OTTAWA, October 19, 1962.

TYPE APPROVAL'SUPERIOR' TYPE "215" 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: 'Superior' Type "215" Temperature Compensated Aluminumcase Positive Displacement Gas Meter, manufactured and distributed in Canada by Neptune Meters Limited, Toronto, Ontario.


Description: The non-compensated type "215" gas meter has been previously approved under Circular SD-GA.157 of May 27, 1959 and the temperature compensated meter is identical to the above except for the following alterations:-

- (a) the conventional double adjustable tangent is replaced by the temperature compensating tangent, illustrated on the back of the circular;
- (b) the nameplate contains information that meter is temperature compensated to a base temperature of 60°F.
- (c) only synthetic diaphragms are used.

In operation 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 tangent length with temperature is suitably chosen so that irrespective of the temperature of the flowing gas, meter registration indicates volume passed at 60°F. In field testing the meter correction chart shall be used to establish the error of the meter if test temperature differs from 60°F. The temperature compensated meters are intended for temperature range normally prevailing in outside locations across Canada during the seasons of the year.

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Ref: A-796A



TEMPERATURE COMPENSATING TANGENT FOR 'SUPERIOR' TYPE "215"  
POSITIVE DISPLACEMENT GAS METER

