



TRADE AND COMMERCE
CANADA

STANDARDS BRANCH

S-GA.216

OTTAWA November 24, 1961.

TYPE APPROVAL

AMERICAN METER COMPANY PRESSURE ELEMENTS
FOR USE IN BASE PRESSURE INDEXES, BASE
VOLUME INDEXES AND VOLUME-PRESSURE GAUGES

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

Apparatus Approved: 'Open' and 'Enclosed' Type Bellows Pressure Elements, manufactured by the American Meter Company, Erie, Pa., and included in various pressure-measuring devices distributed in Canada by the Canadian Meter Company Limited, Box 970, Milton, Ontario.

Rating of Apparatus:

Static Pressure Ranges 0-1, 0-5, 0-10 and 0-15 p.s.i.

Application: These low pressure bellows elements are primarily intended for use in base volume indexes, base pressure indexes and volume-pressure gauges, approved respectively in Circulars SD-GA.8 of January 26, 1951, SD-GA.140 of July 3, 1958 and S-GA.206 of February 24, 1961; NRC #1 of May 26, 1933 and SD-GA.1/1 of July 3, 1958; and SD-GA.39 of July 6, 1953.

This approval covers also the use of these elements in any approved American Meter Company or Canadian Meter Company pressure-measuring device used in distribution service of heating gases.

Description: The illustration on the back shows the appearance of the 'enclosed' type pressure element. Both types are intended for the low pressure range up to 15 p.s.i. only. In the case of the 'open' type the pressure is applied on the inside of the bellows and the increase of pressure causes bellows to expand in length. For the 'enclosed' type the pressure is applied to the sealed compartment formed by the inner side of the outer cover and the outer side of the bellows, the inner side being open to the atmosphere. The increase of pressure for this type causes bellows to contract in length. Suitable linkage system transfers the movement of the free end of the bellows to a pressure-indicating pointer or a recording pen.

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