



CANADA

DEPARTMENT OF TRADE AND COMMERCE

STANDARDS BRANCH

S-GA, 307

OTTAWA, Sept. 16, 1964.

TYPE APPROVAL

CANADIAN METER COMPANY BASE VOLUME INDEX, TYPE 3

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: Base Volume Index, Type 3, manufactured and distributed in Canada by the Canadian Meter Company Limited, Milton, Ontario.

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|----------------------|----------------------------|---------------------------|
| Rating of Apparatus: | Model and Pressure | Static Pressure |
| | <u>Element Designation</u> | <u>Range p. s. i.</u> |
| | BP 30 Special | 0-24" w. g. to 0-5 p.s.i. |
| | BP 30 | 0-12 to 0-15 |
| | BP 45 | 0-25 to 0-30 |
| | BP 60 | 0-35 to 0-45 |
| | BP 120 | 0-90 to 0-100 |
| | BP 180 | 0-125 to 0-165 |
| | BP 300 | 0-230 to 0-300 |
| | BP 360 | 0-270 to 0-350 |
| | BP 600 | 0-500 to 0-600 |
| | BP 1200 | 0-1,000 to 0-1,200 |

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| Temperature Range | Base Temperature | Cam Factor |
| -10°F to +150°F | 70°F | 0.8333 |
| -20°F to +140°F | 60°F | 0.8333 |
| -40°F to +110°F | 60° or 70°F | 0.7500 |
| -50°F to +110°F* | 60° or 70°F | 0.7500 |
| *Effective compensation range -40°F to +110°F | | |

Description: The Base Volume Index is designed to sense and indicate, in some metering devices, the line pressure and the flowing temperature of the gas, and automatically apply the required correction so that the volume passed through the meter is totalized at definite base conditions of temperature and pressure. This function is achieved through the employment of cylinder type integrators, whose raised cams are properly shaped to effect required correction.