



TRADE AND COMMERCE
CANADA

SD-GA.48

STANDARDS DIVISION

OTTAWA, December 8, 1953.

TYPE APPROVALBAILEY CLASS 8 STATIC PRESSURE ELEMENT

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: Class 8 Static Pressure Element, manufactured by the Bailey Meter Company Limited, Montreal, P. Q.

Application: For the measurement of static pressure in the medium pressure range.

Rating of Apparatus:

Pressure ranges 0-5 to 0-25 p.s.i. for Class 8
0-5 to 0-25 p.s.i.a. for Class 8A
0-10" to 0-30" Hg(Vac.) for Class 8V.

Description: The Bailey Class 8 Unit is a bellows type pressure measuring mechanism as illustrated on the back of the circular. The unit is made up of two opposing bellows and a spring to oppose the force of the measurement and, thereby, set the zero or suppression required. The Class 8 unit is used for the measurement of gauge pressure. When it is used for the measurement of absolute pressure, it is designated Class 8A. When used for the measurement of vacuum, it is designated Class 8V. These variations use the same design unit, the difference being in the spring setting and in the fact that the linkage for the Class 8V is reversed from that of the Class 8 and 8A for the same recording pen or indicating pointer motion.

The Class 8, 8A or 8V units may be located in the upper right, lower right, or lower left corner of the standard Bailey rectangular pressed steel recorder or indicator case. The location or locations utilized depend upon what other units are included in the same case. One Class 8, 8A or 8V unit may be assembled in a round case or in a small rectangular case.

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