

TRADE AND COMMERCE
CANADA

SD-GA.57

STANDARDS DIVISION

OTTAWA, November 2, 1954.

TYPE APPROVALBAILEY CLASS "12" 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 129, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Class "12" Static Pressure Element, manufactured by the Bailey Meter Company, Limited, Montreal, P. Q.

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

Rating of Apparatus:

Pressure Range -

For positive pressures ... from 0 - 50" water gauge to 0 - 25 p.s.i.

For negative pressures ... from 0 - 50" water gauge to 0 - (-)14.7 p.s.i.

Description: The Class "12" pressure element consists of a mercury U-tube, one leg of which is connected to the pressure source and the other leg of which ends in an open reservoir containing the float which actuates the pen. The mercury U-tube is usually mounted on the side or back of the meter case although it is sometimes possible to mount it inside. The length of the U-tube, which is covered by a protecting pipe if projecting below bottom of meter, depends on the pressure range of the recorder.

Information has been given in previous circulars concerning approved type and class designations. However, it should be noted that if static pressure elements only or in some cases static pressure and temperature elements only (i.e. no differential elements) are mounted in a meter case, the meter is designated Type "K". For example, suppose a Class "12" static pressure element and a Class "8" static pressure element (see Circular SD-GA.48) were mounted in a rectangular meter case, the meter would be designated "Type K35 Class 812".

E. F. Power,
Assistant Director (E&G),
Standards Division.

R. W. MacLean,
Director,
Standards Division.

Ref: A-391