

TRADE AND COMMERCE CANADA

STANDARDS DIVISION

September 18, 1953. OTTAWA

TYPE APPROVAL

BAILEY TYPE "CG" FLOW MECHANISM

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: Type "CG" Flow Mechanism, manufactured by the Bailey Meter Company Limited, Montreal, P. Q.

Application: Measurement of fluids in conjunction with standard orifice plates and approved pressure gauges.

Rating of Apparatus; Differential ranges 0-2" water gauge; 0-4" water gauge Working pressure up to 50 p.s.i.

until the increased differential is balanced out and equilibrium is restored. The displacer is so shaped that the bell moves under a differential a distance proportional to the square root of the differential. The motion of the bell is transmitted by a forked lever to the recording element through pressure-tight bearings and the record made is proportional to the Vh. It is apparent that the weight of the bell and the amount of mercury in the mercury reservoir are factors in the original factory calibration. In the field, small changes in the weight of the bell or in the amount of mercury in the reservoir should bring the instrument into calibration except in case where mercury has been lost from the reservoir.

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