

TRADE AND COMMERCE  
CANADA

SD-GA.85

## STANDARDS DIVISION

OTTAWA, October 14, 1955.

TYPE APPROVALBRISTOL FLOWMETER BODIES

The apparatus specified 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: Bristol Flowmeter Bodies, manufactured by The Bristol Company, Waterbury, Conn., U.S.A. and distributed in Canada by the Bristol Company of Canada Limited, Toronto, Ontario.

## Rating of Apparatus:

Bell Type -

Range ..... 2.0", 2.5", 3.5", 4.5", 5.0", 6.0"  
and 10" water gauge (differential)  
Working Pressure ..... up to 250 p.s.i.

U-tube Type (Mercury) -

Range ..... 20", 50", 100", 150", 200", 250", 300",  
400" and 500" water gauge (differential)  
Working Pressure ..... up to 1000 p.s.i.

Note: The 0-50" and 0-100" w.g. may be arranged for working pressures 2500 or 5000 p.s.i.

Application: To record in distribution systems the flow of gases or mixtures, in conjunction with standard orifice plates.

Description: The Bell-type body is used for low pressure differentials. It consists of a mercury-sealed inverted bell housed in a pressure-tight chamber. As the differential varies, the bell moves up or down in an amount proportional to the change in differential pressure. This motion is utilized to move the pen-arm of the meter in recording the rate of flow through the orifice.

The U-tube body is constructed of forged steel. All parts within the mercury chamber are made of stainless steel. The large float insures sufficient power to accurately transmit differential pressure to the recording pen-arm through a pressure-tight bearing and linkage.

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