



TRADE AND COMMERCE  
CANADA

SD-GA.35

## STANDARDS DIVISION

OTTAWA, June 4, 1953.

TYPE APPROVALFOXBORO PRESSURE ELEMENTS - SERIES "200" AND EARLIER TYPES

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: Series "200" and earlier designs of Pressure Elements, manufactured by the Foxboro Company, Foxboro, Mass., and Ville LaSalle, P.Q., and distributed in Canada by Peacock Brothers Limited, Montreal, P.Q.

Application: For determination of static pressure wherever static pressure is a factor in the measurement of gas.

## Rating of Apparatus:

Diaphragm element ..... full vacuum to 6 p.s.i.  
Spiral element ..... 6 p.s.i. to 50 p.s.i.  
Spiral or helical element .... 50 p.s.i. to 100 p.s.i.  
Helical element ..... 100 p.s.i. to 4000 p.s.i.

These ranges are for general use but this approval does not limit the use of the elements to such ranges.

Description: This approval covers the use of a variety of Foxboro pressure elements for recording pressure. They may be mounted in individual cases or associated in the same case with differential pressure recording elements of flow meters. The cases for the individual recording units are known as the round "10-inch" and "12-inch" cases and they use 10-inch and 12-inch circular charts respectively. They may be adapted for yoke mounting, flush mounting on a panel, or surface mounting on a wall or panel. When the pressure element is associated with a flow meter, the pen is pivoted at the same centre of motion as the differential element, thus insuring that both pens will follow essentially the same time arc.

For future production - probably early in 1954 - the manufacturer has assigned the "200" series of numbers to distinguish and identify different pressure elements. The type number will normally consist of a 3-digit number (with or without a letter) plus a suffix number to indicate the maximum pressure range. The first two numbers indicate the type of element. The third digit indicates the material of construction. The letter indicates the intended use of the element.

The following outlines the basic code:-

<u>Code (first two digits)</u>	<u>Type Element</u>
20	Diaphragm (1952 design)
21	Bellows
23	Spiral
24	Helical
25	* Heavy Duty Helical
26	* Heavy Duty Differential Element
27	* Bourdon

\* Gauges of this type are not likely to be found in service for gas measurement.

(O V E R)