

TRADE AND COMMERCE
CANADA

SD-GA-95

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STANDARDS DIVISION

OTTAWA, March 19, 1956.

TYPE APPROVALROBINSON TYPE "E" ORIFICE FITTING

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: Type "E" Orifice Fitting manufactured by the Robinson Orifice Fitting Company, Los Angeles, Calif., U.S.A., and distributed in Canada by the Canadian Meter Company Limited, Milton, Ontario.

Rating of Apparatus:

	<u>Standard Flange Facing</u>		
			<u>Range</u>
<u>Cast Iron</u>			
2" to 12"	150 -	400 lbs. psi	C.W.P.
14" to 24"	100 -	300 lbs. psi	C.W.P.
<u>Cast Steel</u>			<u>Range</u>
2" to 30"	150 -	600 lbs. psi	C.W.P.
2" to 24"	600 -	1200 lbs. psi	C.W.P.
2" to 12"	900 -	1800 lbs. psi	C.W.P.
2" to 12"	1500 -	3000 lbs. psi	C.W.P.
	<u>Ring Joint Flange Facing</u>		
			<u>Range</u>
<u>Cast Steel</u>			
2" to 24"	600 -	1440 lbs. psi	C.W.P.
2" to 12"	900 -	2160 lbs. psi	C.W.P.
2" to 12"	1500 -	3000 lbs. psi	C.W.P.

Application: The fitting may be used as a component part of an orifice metering unit in the measurement of manufactured, natural, and petroleum gases, or mixtures thereof.

Description: The principal objective in the design of the Type "E" fitting is to achieve fast operation. The main operating mechanism, which is entirely enclosed in the upper chamber, consists of a heavy, stainless steel non-rising elevator screw and an elevator nut pivoted to the orifice plate carrier. This simple device raises and lowers the orifice plate carrier, fits the carrier into its position in the pipe line seats, and for inspection or changing orifice plates, lifts the carrier completely out of the upper chamber and holds it in a convenient position. Some advantages of this type of fitting are: orifice always centered, plate changing simplified, frequent inspection possible, operates in any position satisfactorily, and no gas loss when changing plates.


R. W. MacLean,
Director,
Standards Division.


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