


 TRADE AND COMMERCE
 CANADA

SD-GA.97

STANDARDS DIVISION

OTTAWA, April 5, 1956.

TYPE APPROVALDANIEL 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.

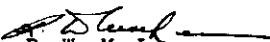
Apparatus Approved: Senior Orifice Fitting manufactured by the Daniel Orifice Fitting Company, Los Angeles, Calif., U.S.A., and distributed in Canada by Process-Instruments Systems Limited, 1893 Avenue Road, Toronto, Ontario.

Rating of Apparatus:


	<u>Standard Flange Facing</u>	<u>Range</u>
<u>Cast Iron</u>		
2" to 12"	175 psi Gauge	C.W.P.
14" to 24"	150 psi Gauge	C.W.P.
2" to 12"	400 psi Gauge	C.W.P.
14" to 24"	300 psi Gauge	C.W.P.
<u>Cast Steel</u>		<u>Range</u>
2" to 14"	150 A.S.A. 230 psi Gauge	C.W.P.
2" to 14"	300 A.S.A. 600 psi Gauge	C.W.P.
2" to 14"	600 A.S.A. 1200 psi Gauge	C.W.P.
2" to 12"	900 A.S.A. 1800 psi Gauge	C.W.P.
2" to 12"	1500 A.S.A. 3000 psi Gauge	C.W.P.
2" to 5"	2500 A.S.A. 5000 psi Gauge	C.W.P.
	<u>Ring Joint Flange Facing</u>	<u>Range</u>
<u>Cast Steel</u>		
2" to 14"	600 A.S.A. 1440 psi Gauge	C.W.P.
2" to 12"	900 A.S.A. 2160 psi Gauge	C.W.P.
2" to 12"	1500 A.S.A. 3600 psi Gauge	C.W.P.
2" to 6"	3000 A.S.A. 6000 psi Gauge	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 design of this fitting provides a fast, safe and extremely simple method of changing orifice plates under pressure without interrupting the flow. The fitting is composed of two independent compartments separated by a hardened stainless steel slide valve. Valve cannot be closed unless orifice is concentric to the bore of the fitting. Orifice Plate Carrier is raised and lowered by rack and pinion mechanism with power applied through a speed wrench. The advantages of this fitting are: plate changing is simplified and the orifice is always centered.


 R. W. MacLean,
 Director,
 Standards Division.

Ref: A-544


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