



TRADE AND COMMERCE
CANADA

STANDARDS BRANCH

S-GA.207

OTTAWA April 6, 1961.

TYPE APPROVAL"ROTOCHANGE" ORIFICE FITTING, SERIES 300, 600, 900

The apparatus specified and illustrated herein has been duly approved by the Standards Branch under the provisions of the Gas Inspection Act, Chapter 129, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Rotochange Orifice Fitting, Series 300, 600, 900, manufactured and distributed in Canada by Precision Oilfield Services Ltd., Edmonton, Alta.

Rating of Apparatus:

Orifice Run Sizes 2-, 3- and 4-inch diameter
Pressure Rating 150 p.s.i.

Application: The fitting may be used as a component part of an orifice metering unit in the measurement of heating gases.

Description: The Rotochange orifice fitting is designed for quick change of orifice plates without interrupting the gas flow. It comprises two heavy machined body halves sealed by an "O"-ring and suitably bolted together. A short piece of tube, flanged at the outer end is welded to each half of the body. In the internally recessed half of the main body an orifice plate carrier is fitted on a shaft projecting outwards, to which either a handle for manual control or a motorized drive may be attached. Two orifice plate holders, sealed with "O"-rings, are carried by the orifice plate carrier and either of them may be placed in line with the orifice run by rotating the handle between the two positioning stops, fitted with a handle lock. An access plate is provided on one side of the fitting for the purpose of exchanging orifice plates. Suitable valve and manifold arrangement is made for bleeding the line pressure from the compartment covered by the access plate.

The 2-, 3- and 4-inch sizes of the Rotochange fitting are also referred to by the maker as Series 300, 600 and 900 respectively.

The pressure taps in these fittings must conform to the specifications for flange taps. When verifying an installation, particular care should be taken to ensure that the distances from the faces of the orifice plates to the centres of the tap holes comply with all the requirements.

E. F. Power

E. F. Power,
Chief, Electricity & Gas Division,
Standards Branch.

R. W. MacLean
R. W. MacLean
Director,
Standards Branch.

Ref: A-890A