

S-GA-0178 Rev

DEPARTMENT OF



TRADE AND COMMERCE
CANADA

STANDARDS BRANCH

S-GA.178-AMENDED
Cancelling and Replacing
S-GA.178 of January 27, 1960

OTTAWA February 26, 1962.

TYPE APPROVAL

ROOTS-CONNERSVILLE TYPES "3M125" AND "7M125"
ROTARY POSITIVE DISPLACEMENT GAS METERS

The apparatus specified 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: Types "3M125" and "7M125" Rotary Positive Displacement Gas Meters, manufactured by Roots-Connerville Blower Division of Dresser Industries Limited, Connerville, Indiana, U.S.A., and distributed in Canada by Roots-Connerville Blower (Canada) Limited, 212 King Street West, Toronto 1, Ontario.

Rating of Apparatus:	<u>"3M125"</u>	<u>"7M125"</u>
Badged Capacity (cu.ft.per hr./air)	3000	7000
Capacity per revolution (cu.ft.)	0.02217	0.06074
Working Pressure (p.s.i.)	125	125
Connections	Flanged	Flanged

Description: The meters are all cast iron with "O" ring joint construction. The one pair of timing gears is steel with steel bearing and brass planetary reduction gears on the opposite end. The counter is chain-driven with a stainless steel chain from the planetary gear shaft. Both gear ends of the meter are splash-lubricated, and bullseye-type oil sight gauges are provided on each end. The meter is designed to mount in a vertical position; if installed in a horizontal service line, the counter will be upside down.

As a result of numerous tests made on these meters in the past year, it has been established that on the basis of comparing R.P.M. with displaced volume as recorded by the counter for a given period of time, the displacement figures shown on the original type approval have been slightly modified.

Note: The type "3M125" meter may be tested in a meter shop, if requested, using the bell-type prover, in which case the regular fee provided in Part I of the "Schedule of Inspection Fees for the Testing of Gas and Gas Meters" shall apply. When tested 'in situ', the fee provided for Rotary Type Positive Displacement Meters shall apply.

E. F. Power

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

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

Ref: A-856



