



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

G-83

OTTAWA October 8, 1971

PARKINSON COWAN (CANADA), TYPE B 250
POSITIVE DISPLACEMENT GAS METERS

This approval supersedes Circulars S-GA 149, dated 15 Dec. 1958, S-GA 203, dated 18 Jan. 1961, and modification notices (SE-85-56) dated, 22 Nov. 61, 24 Jan. 63 and 4 Dec. 63.

Apparatus

Badged capacity	200 cu. ft./hr (air)
Differential pressure at badged capacity	0.5" wg
Capacity per revolution	0.111 cu. ft.
Working pressure	5 psig
Tangent to 2 cu. ft. test dial rev. ratio	18:1
Test dials, volume per rev.	$\frac{1}{2}$ and 2 cu. ft.
Diaphragm material	Synthetic
Meter connections (male)	1"

Description

The type B250 gas meter is of conventional design enclosed in a partitioned die-cast aluminum case. The top section of the meter case carries top meter connections, hand hole plate, meter register with plexiglass cover and a nameplate. The removable metering assembly, attached to the top cover through outlet connection consists of two diaphragm chambers connected to a combination metal/plastic valving manifold. It carries two plastic valves, a double adjustable tangent connected to valve crank and flag arm levers, index drive gearing and other associated components. The bottom section of the meter case serves as a base and a large inlet chamber.

The present production of the B250 meter utilizes a Delrin plastic tangent block with metal adjustments, Delrin plastic drive dogs for the index and Delrin plastic retaining nuts on the valve posts. The stuffing boxes for the flag rods are presently equipped with additional packing grommets (flat neoprene washers) which help to stabilize meter's performance.

Approval granted to:

Parkinson Cowan (Canada) Ltd.,
Chatham, Ontario.

J.S.T. Swanson
(for) J.S.T. Swanson, P. Eng.,
Chief, Standards Laboratory,
Standards Branch.

W.J.S. Fraser
W.J.S. Fraser,
Chief, Electricity and Gas Division,
Standards Branch.

Ref: SL-100-799 E
SE-85-56

PARKINSON COWAN (CANADA), TYPE B250 POSITIVE DISPLACEMENT GAS METERS

