



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

STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

G-53

OTTAWA July 16, 1969.

**ROCKWELL, TYPE RCS175
STANDARD AND TEMPERATURE COMPENSATED
POSITIVE DISPLACEMENT GAS METERS**

Apparatus

Badged capacity	140 cu. ft./hr.(air)
Differential pressure at badged capacity	0.5" w.g.
Capacity per revolution	0.125 cu. ft.
Working pressure	5 psi
Diaphragm designation	E-61
Compensating tangent activity (T.C. meter)	0.00150"/°F
Base temperature (T.C. meter)	60°F
Tangent to test dial revolution ratio	16:1
Meter connections (male)	1"

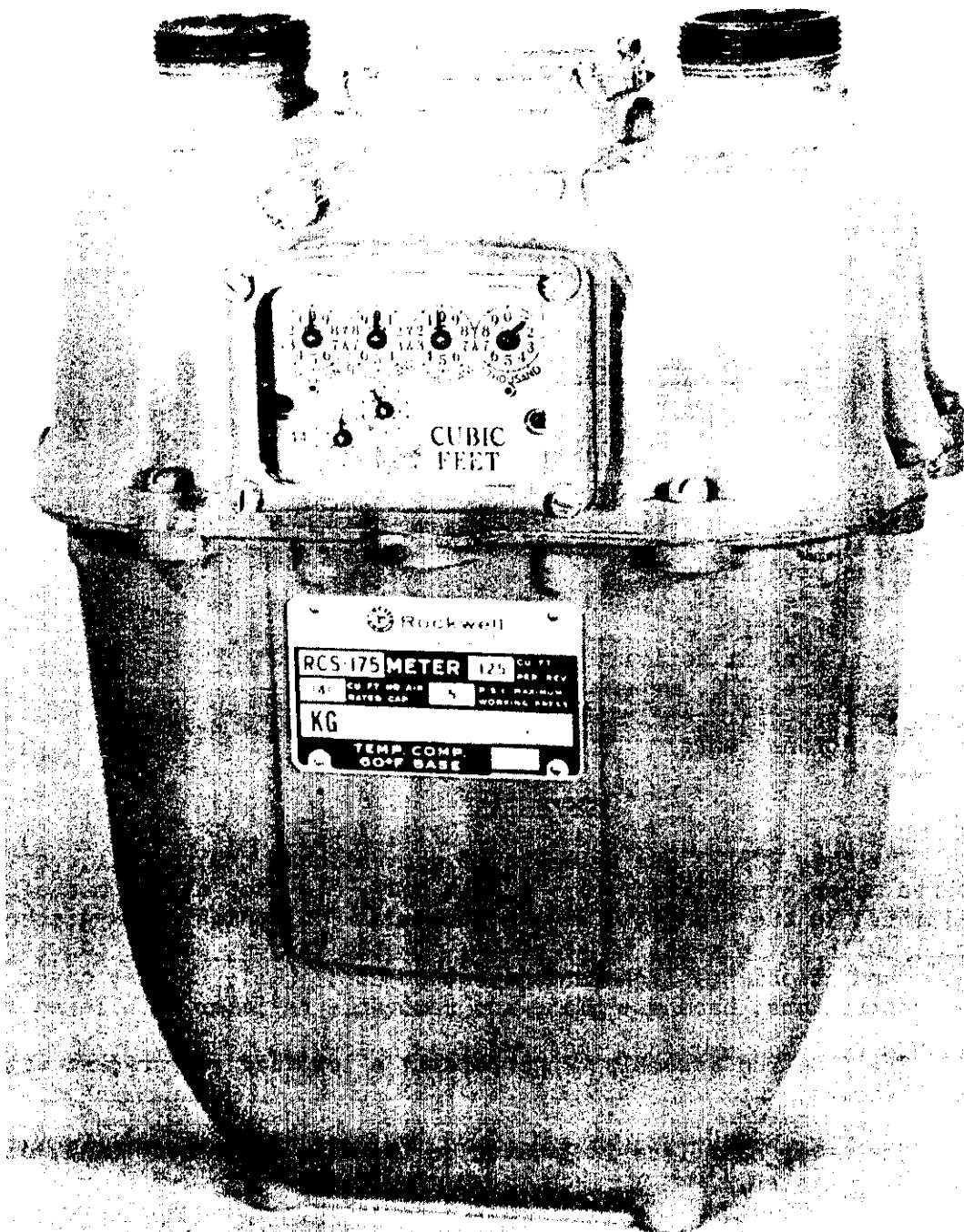
Description

The type RCS175 gas meter is of conventional design. It consists of three major assemblies: (i) a main body, die-cast aluminum case, partitioned in the middle; (ii) a removable valve table and diaphragm assembly with white metal valve seats, plastic valves, double adjustable tangent and associated linkages and components; (iii) a case cover with meter connections, handhole plate and removable register with lexan cover.

The flag rod assembly incorporates a low flag rod bracket with acetal bearing.

The meter nameplate is located on the main meter body case, directly below the register.

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Synthetic rubber diaphragm material, designated as E-61, is used in these meters.

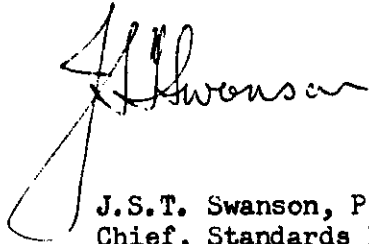
In temperature compensated meters the conventional double adjustable tangent is replaced by a bimetallic, temperature compensating device and an inscription is added on the register face plate, stating: "Temp. Comp. 60°F Base, Cubic Feet".

During operation of the temperature compensated meter the tangent length changes with the temperature change of the flowing gas, thus automatically adjusting the stroke of the diaphragms. The rate of change of the tangent length with temperature is suitably chosen so that regardless of the temperature of the flowing gas, meter registration indicates the equivalent volume passed at 60°F.

Type RCS175 meters are similar to type RC-225 previously approved under circular G-32.

Approval granted to:

Rockwell Manufacturing Company of Canada Ltd.,
Guelph,
Ontario.



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Ref. SL-100-49B

ROCKWELL TYPE RCSI75 STANDARD AND TEMPERATURE COMPENSATED POSITIVE DISPLACEMENT GAS METERS

