



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

G-32

OTTAWA February 5, 1968.

NOTICE OF APPROVAL

FOR

ROCKWELL, TYPE RC 225,
STANDARD AND TEMPERATURE COMPENSATED,
POSITIVE DISPLACEMENT GAS METERS

Apparatus

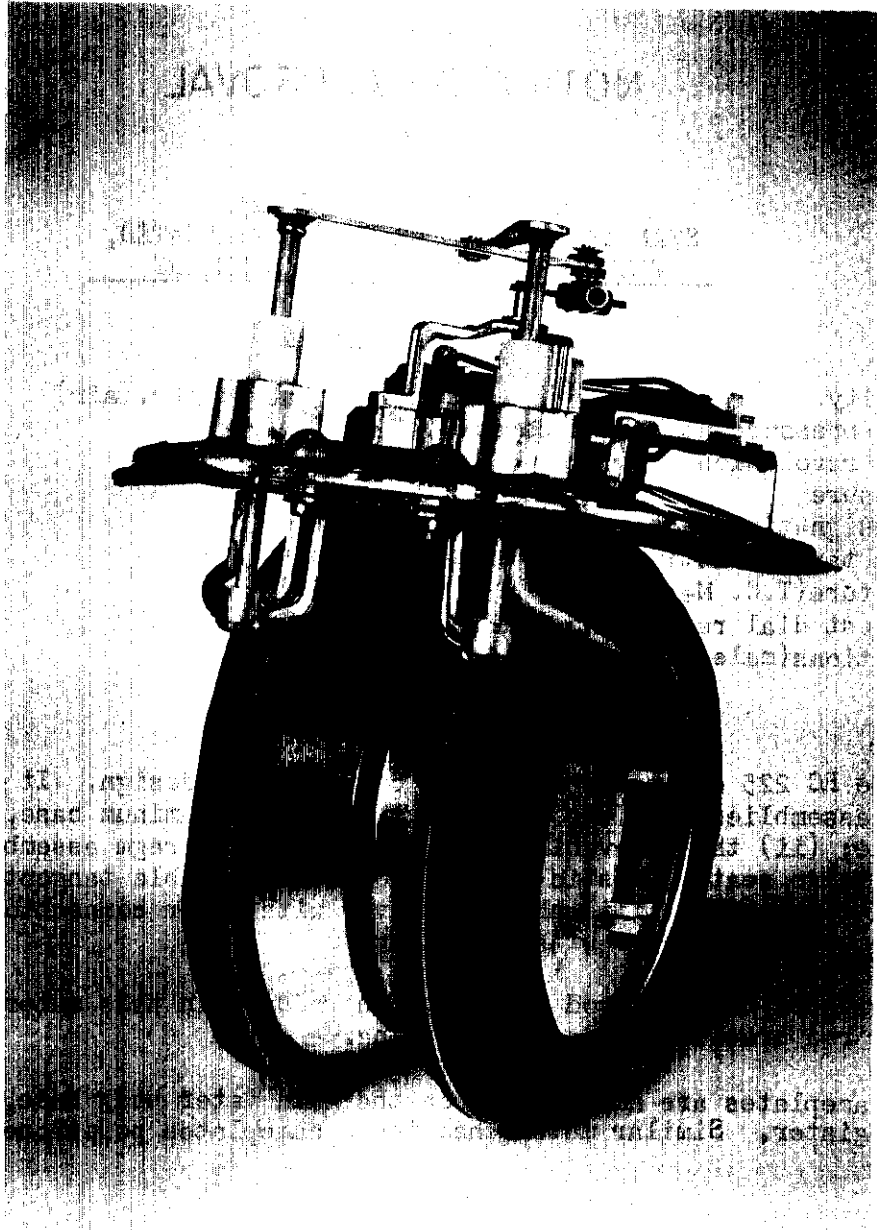
Badged capacity	170 cu. ft./hr. (air)
Differential pressure at badged capacity	0.5" w.g.
Capacity per revolution	0.125 cu. ft.
Working pressure	5 psi
Diaphragm designation	E-61
Compensating tangent activity (T.C. meter)	0.00150"/°F
Base temperature (T.C. Meter)	60°F
Tangent to test dial revolution ratio	16:1
Meter connections (male)	1"

Description

The type RC 225 gas meter is of the conventional design. It consists of three major assemblies: (i) the main body, die-cast aluminum case, partitioned in the middle; (ii) the removable valve table and diaphragm assembly with white metal valve seats, plastic valves, double adjustable tangent and associated linkages and components; (iii) the case cover with meter connections, handhole plate and removable register with lexan cover.

New design of the flag rod assembly, introduced in this meter, incorporates a lower flag rod bracket with acetal bearing.

Meter nameplates are now located on the main meter body case, directly below the register. Similar meters had these nameplates positioned on the meter cover.



New seamless, synthetic rubber diaphragm material, designated as E-61, replaces materials known as type 343 and 402, used with other Rockwell positive displacement meters.

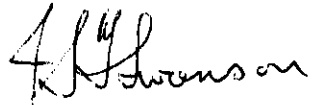
In temperature compensated meters the conventional double adjustable tangent is replaced by a bimetallic, temperature compensating tangent and an inscription is added on the register face plate, stating: "Temp. Comp. 60°F Base, Cubic Feet".

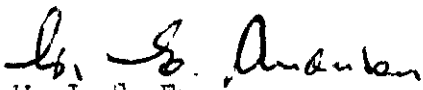
During operation of the temperature compensated meter the tangent length changes with the temperature change of the flowing gas, thus automatically adjusting the stroke of the diaphragms. The rate of change of the tangent length with temperature is suitably chosen so that irrespective of the temperature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

Type RC 225 meter is similar to type R-225 previously approved under circulars S-GA.290 and S-GA.292.

Approval granted to:

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


J. S. T. Swanson,
Chief, Standards Laboratory,
Standards Branch.


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

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