



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

S.WA-601

OTTAWA, November 14, 1967.

APPROVED : TOKICO - CC MODEL F02 SLOW-FLOW METER

distributed by: Brooks Instruments Canada Ltd., Toronto

Apparatus Listed: Tokico - CC model F02 slow-flow meter for both Low-and High-Range applications.

Rating of Apparatus: From 0.02 gph to 0.75 gph as a Low-Range meter.
From 0.5 gph to 2.0 gph as a High-Range meter.

Conditions: As required by Standards Branch specifications ST-SPEC-V3 "Specifications For Approval Of Type For Slow-Flow Meters" and ST-SPEC-V4 "Specifications For Installation, Verification And Use Of Slow-Flow Meters".

Application: This meter is approved for use in measuring No. 2 fuel oil, No. 1 stove oil, or kerosene supplied through an underground piping distribution system from a central storage by pump or gravity to furnaces or space heaters in apartments, individual homes, or trailers, etc.

Description: This meter is of the reciprocating piston type; the four radially-arranged single-acting pistons operating in steel-sleeved cylinders are connected to a common crank pin which drives the register through suitable gearing. The design is such that each piston, by means of its configuration and suitable ports in its cylinder walls, acts as a valve for the next piston in the operating cycle.

No piston rings are used; leakage past the piston is prevented by a very fine fit. Therefore, it is very important that no dirt enter the metering elements, and to prevent this, a fine cone-shaped filter is installed inside the meter inlet, and a second finer filter installed just before the liquid reaches the crank pin chamber. The register is immersed in the liquid being metered.

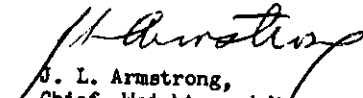
The register reads directly to hundreds(0.01) gallons, and in addition there is a test dial graduated 0 to 5 and subdivided into 10 divisions, each of which represents 0.0001 gallons. (Two full turns of the test dial equals 0.01 gallon).

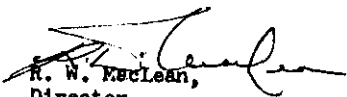
These meters were originally approved with a 5 digit register (999.99 gallons max.) but in September 1967 the register was changed to one with 6 digits(9999.99 gallons max.). The model number was not changed.

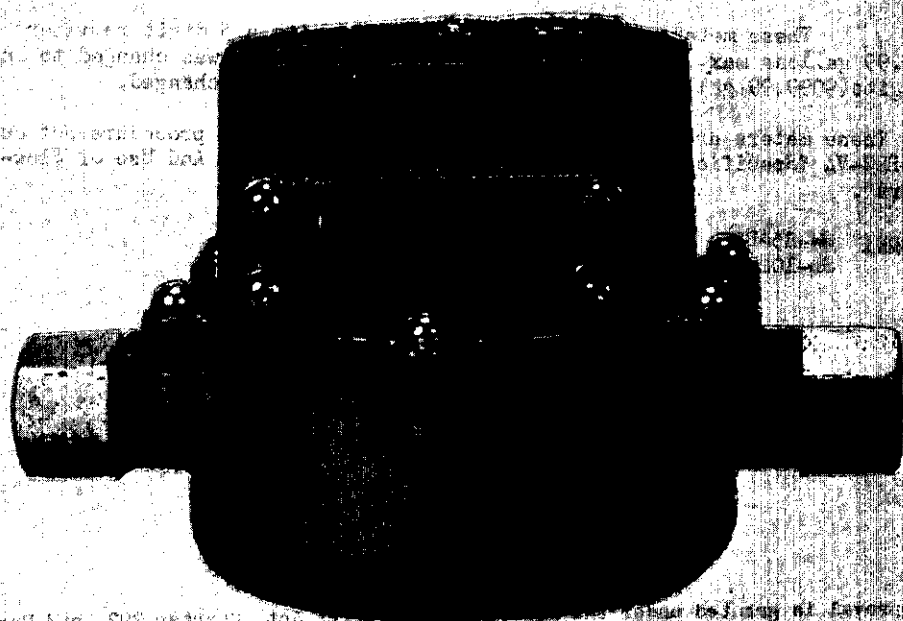
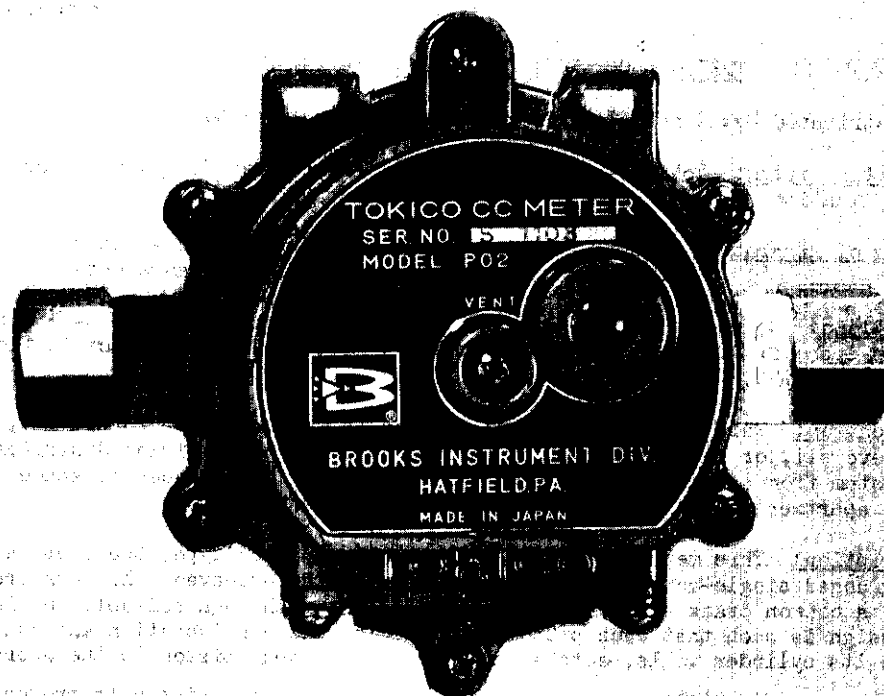
Tests: These meters are to be tested in accordance with the procedure set out in ST-SPEC-V4 "Specifications For Installation, Verification And Use Of Slow-Flow Meters".

Reference: SW-85-B2
SL-102-65

Note: Approval is granted under the Weights and Measures Act, Chapter 292, and Regulations thereunder (P.C. 6894) for use in Canada under the general conditions of P.C. 6894, and under any special conditions listed above.


J. L. Armstrong,
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R. W. MacLean,
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TOKICO - CC MODEL P02 SLOW FLOW METER

SEALING WIRE AND SEALS NOT SHOWN