



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



**STANDARDS BRANCH - DIRECTION DES NORMES**

**NOTICE OF APPROVAL - AVIS D'APPROBATION**

NO.	S.WA-873
DATE	August 20, 1973

CONOFLOW SLOW-FLOW METER - MODEL 31-401

- MANUFACTURER: Conoflow - Eropo NV  
Dordrecht, Holland
- DISTRIBUTOR: Texaco Canada Limited,  
Domestic Pipe Line Division  
18 Grenfell Crescent,  
Ottawa, Ontario
- APPARATUS: Slow Flow Fuel Oil Meter, Model 31-401
- RATING: Flow Rate - 1.1 to 44.0 gallon per hour  
Max. Inlet Pressure - 90 psig  
Metered Product - No. 2 Fuel Oil
- APPLICATION: The metering of No. 2 fuel oil, supplied by means of a permanently-installed distribution system to high-capacity heating facilities such as used for apartment buildings, business premises, swimming pools, etc.
- SPECIAL CONDITIONS:
1. Meters shall be within tolerances of  $\pm 0.50\%$  on original inspection, and  $\pm 0.75\%$  on subsequent inspections.
  2. Meters may be installed only in fuel oil distribution systems previously approved by the Standards Branch.
  3. The nameplate shall show the minimum and maximum flow rate and the approval number.
  4. The screws securing the register to the meter body shall be drilled for sealing wire.

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DESCRIPTION: This meter is a larger version of the model 1G31-202 approved under S.WA-518 Revision 1 (March 29, 1972). The principle of operation of the metering elements and register is the same, as described below:

This meter is equipped with four double-acting aluminum pistons, which are radially-arranged and operate in steel-sleeved cylinders. All pistons are connected to a common crank which drives the register by means of a magnetic coupling, thus enabling the register mechanism to be completely isolated from the metered liquid.

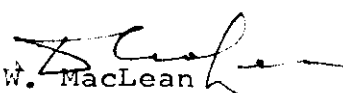
The register has six number wheels giving maximum registration of 99999.9 gallons, the minimum increment being 0.1 gallons. The meter is also equipped with a fine indicator with 0.001 gallon divisions which is designed to facilitate calibration. The fine indicator is a disc which has 50 graduations, and which turns through two revolutions for each 0.1 gallon of metered flow.

TESTING: Special tests are to be conducted at the initial inspection and at subsequent inspections as directed by Standards Branch.

REFERENCES: G 1151-57/V107-635;  
GL 1151-57/V107-635;

CONDITIONS OF APPROVAL:

Approval is granted under the Weights and Measures Act, R.S.C. 1970, c.W-7, 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.

  
R.W. MacLean  
Director General  
Standards Branch