



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



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

S.WA-635

OTTAWA February 11, 1970.

Approved: NEPTUNE - METERS FOR LPG - TRUCK INSTALLATIONS

manufactured by: Neptune Meters Limited, Toronto

Apparatus Listed: Meters for industrial grades of liquid propane, model numbers as listed below:

<u>Model</u>	<u>Size</u>	<u>Rating GPM</u>	<u>Remarks</u>
Type 4D	1-1/4"	5 - 25	Approved with ATC
Type 4D	1-1/2"	12 - 60	Approved with ATC
Type 4D	2"	17 - 85	Approved with ATC; not approved for deliveries of under 40 gallons.

Application: Measurement of liquid propane delivered from a vehicle tank to homes, farms, restaurants, and other commercial and industrial establishments.

Conditions: The 2" meter is not approved for deliveries of under 40 gallons. The ATC is only approved for use on industrial grades of propane, with a range of specific gravities from 0.500 (60/60°F) to 0.515 (60/60°F). Other conditions are as laid down in ST-SPEC-V2 - "Specification for Installation, Verification and Use of Meters for Liquefied Petroleum Gases".

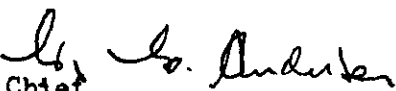
Description: These meters use the same oscillating piston type of metering element as used in all approved models of Neptune meters, except that the piston is made of anodized aluminum to resist the corroding and wearing action of LPG. The ATC unit is described in detail on S.WA-783.

These meters are normally supplied assembled with a combination strainer/vapour release and a diaphragm-type differential valve. When a meter is equipped with an ATC register, the ATC unit bleed line is factory-connected to the tubing lines from the vapour release and the differential valve; at the time of installation, these must be connected to the vapour space of the vehicle tank.

Testing: The 1-1/4" and 2" meter may be tested using a 50-gallon propane prover. A 2" meter may be tested using the 50-gallon prover, but only at a flow rate of about one-half the marked maximum. Repeatability of results at this rate will give a good indication of meter condition. Meters may also be bench-tested using mineral spirits, and adjusted to register 101% of the quantity actually delivered.

References: SW-85-N4
Letter of July 14, 1966

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.

(for) 
Chief,
Weights & Measures Division,
Standards Branch.


R. W. MacLean,
Director,
Standards Branch.