



TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA, October 29, 1965.

APPROVAL LISTINGNEPTUNE - 3/4" TYPE "A" LIQUID METER

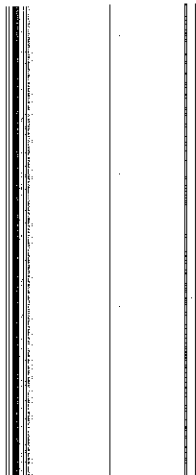
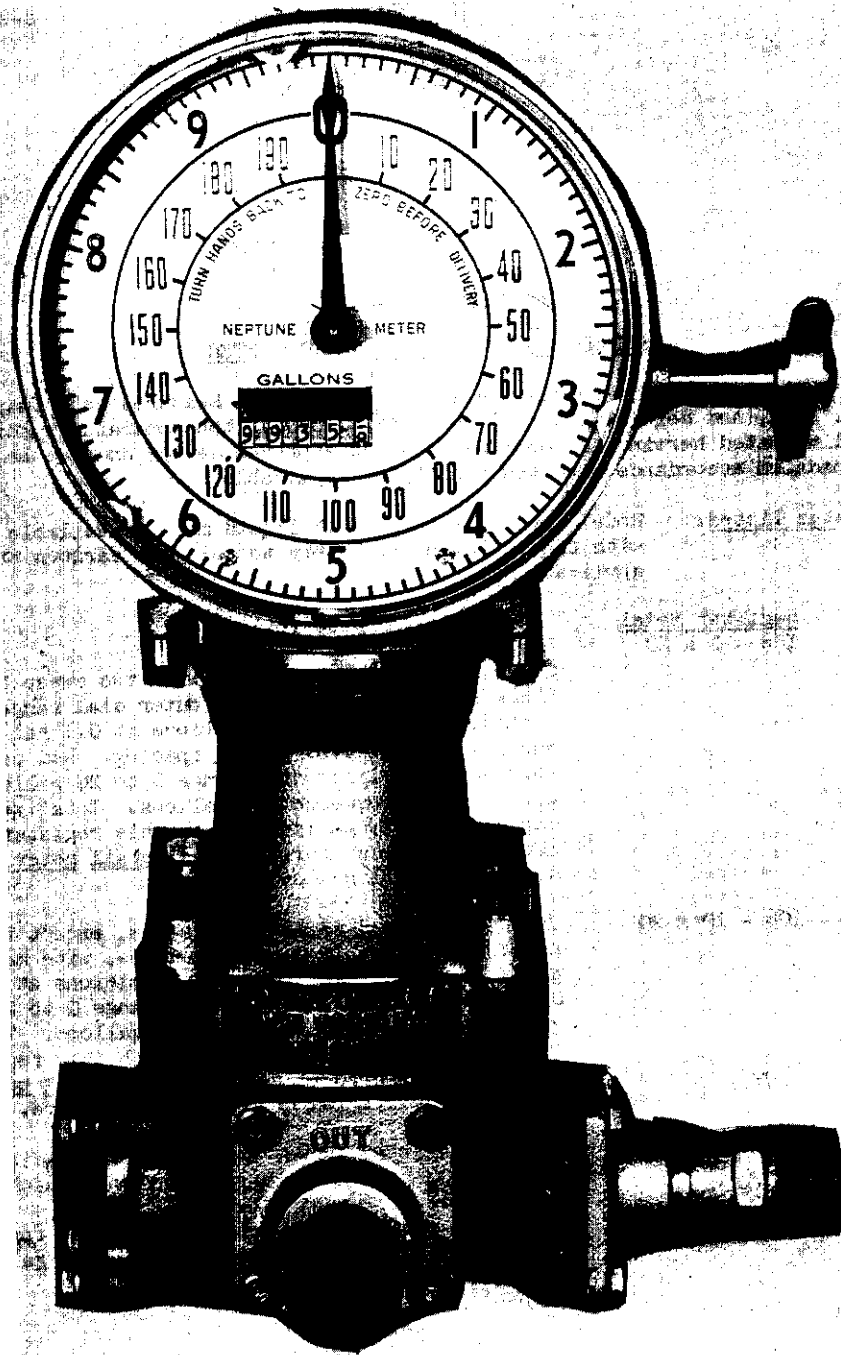
Under the provisions of the Weights and Measures Act, Chapter 292, R.S.C. 1952, and Regulations thereunder (P.C. 6894), the apparatus specified and illustrated herein has been listed as an approved device and may be used in Canada in accordance with the conditions applicable.

Apparatus Listed: Model (type) "A" size 3/4" liquid meter, available with the following registers to suit the various trade applications:

<u>Register Model</u>	<u>Description</u>
106 - 1 x 20	Clock type 6" diameter dial with two sweep pointers. Black pointer operates over outer dial range 0 to 1 gallon, with major graduations at 0.1 gallon and subdivisions at 0.01 gallon spacing. Red pointer operates over inner dial range 0 to 20 gallons with graduations each 1.0 gallons. Totalizer capacity 99,999 gallons. With this register the meter is approved for use as a <u>retail meter</u> for deliveries of 1 gallon or more.
106 - 10 x 20	This is the same register as above, except the outer dial range is 0 to 20 gallons, with major graduations at 1 gallon and subdivisions at 0.1 gallon spacing. Inner dial range 0 to 200 gallons with graduations each 10 gallons. Totalizer capacity 99,999 gallons. With this register the meter is approved for use as a <u>retail bulk meter</u> for deliveries of 40 gallons or more.
106 - 10 x 300	Same register as above, except the inner dial range is 0 to 300 gallons with graduations at each 10 gallons. With this register the meter is approved for use as a <u>retail bulk meter</u> for deliveries of 40 gallons or more.

...../2

NEPTUNE - 3/4" TYPE "A" LIQUID METER



Manufactured by: Neptune Meters Limited,
3526 Lakeshore Blvd. W., Toronto.

Rating of Apparatus: 12.0 gpm maximum to 3.0 gpm minimum
10.0 gpm maximum to 3.0 gpm minimum on LPG

Application: Measurement of fuel and diesel oils, etc., and also
liquified petroleum gases; in retail and wholesale trade.

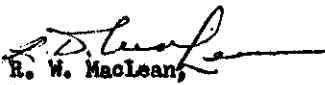
Conditions: As prescribed in P.C. 6894. When equipped with the
model 106 - 1 x 20 register, it may be used as a retail
meter for deliveries of 1 gallon and over. Non-return
valves (with excess pressure relief valves) must be
installed ahead of each meter; on the retail meter the
3/4" I.D. hose normally used must not be longer than
15 feet. When equipped with model 106 - 10 x 200 or
106 - 10 x 300 register, it may be used as a retail
bulk meter for deliveries of 40 gallons or over, and it
must be marked "NOT LEGAL FOR DELIVERIES OF UNDER 40 GALLONS".
All registers must be marked "TURN HANDS BACK TO ZERO BEFORE
DELIVERY".
When used for petroleum products, it must be equipped with
a suitable air eliminator; when used for LPG it must in
addition be equipped with a suitable differential pressure
valve. Neptune Meters Ltd. recommends the use of the same
vapour eliminator and differential valve as on their 1 1/2"
LPG meter.

As this meter has no thermometer well, a thermometer well
should be provided in the line, if a Neptune combination
strainer - air release (with thermometer well) is not used.

Description: This meter incorporates a bronze oscillating piston metering
element, the same type as is used in larger sizes of approved
Neptune meters. The bronze casing is designed for 250# so
that the meter can be used on LPG. An integral 80 mesh
strainer protects the meter from foreign matter.

Testing: Appropriate tests shall apply dependent on the application
and installation; these should simulate actual deliveries
at normal rates of flow. The retail meter shall be tested
on deliveries of 1 and 5 gallons.


J. L. Armstrong,
Chief, Weights & Measures Division,
Standards Branch.


R. W. MacLean,
Director,
Standards Branch.

Ref: A-5

S-WA.585

NEPTUNE - 3/4" TYPE "A" LIQUID METER

