



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



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

S.WA-634

OTTAWA February 11, 1970.

Approved: NEPTUNE - METERS FOR BULK PETROLEUM PLANTS

manufactured by: Neptune Meters Limited, Toronto.

Apparatus Listed: Liquid meters for the measurement of petroleum products in bulk quantities, model numbers as listed below:

<u>Model</u>	<u>Size</u>	<u>Rating GPM</u>	<u>Model of Register Normally Used</u>
Type B	2"	17 - 85	434, 433, 432, 431
Type C	3"	60 - 300	434, -3, -2, -1; 444, -3, -2, -1
Type C	4"	110 - 540	444, 443, 442, 441
Type A	6"	170 - 850	443, 441

Application: Metering of bulk quantities of petroleum products at bulk plants, tank car loading facilities, fuelling and loading ships, etc.

Conditions: When the possibility exists of entrained air in the product, a bulk type deaerator must be installed reasonably close to the meter. A strainer must be installed immediately ahead of the meter, and where required, a back pressure or flow control valve.

Where the bulk deaerator is some distance from the meter, an air release valve is to be installed immediately ahead of the meter.


Description: These meters use the oscillating piston type of metering element as used in all approved models of Neptune meters. Various designs of deaerators, air release valves, strainers, back-pressure and flow control valves are available to suit the requirements at different installations.

Testing: The standard tests for bulk meters shall apply.

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.