



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



STANDARDS BRANCH - DIRECTION DES NORMES

## NOTICE OF APPROVAL

S.WA-632

OTTAWA February 11, 1970.

Approved: NEPTUNE - METERS FOR BULK PLANT USE

manufactured by: Neptune Meters Limited, Toronto

Apparatus Listed: Meters for liquid petroleum products, designed primarily for bulk plant installations, model numbers as listed below:

<u>Model</u>	<u>Size</u>	<u>Rating GPM</u>	<u>Remarks</u>
Type E	1½"	11 - 55	Neptune - National
Type E	2"	17 - 85	Neptune - National
Type A	2"	17 - 85	Neptune
Low Duty	4"	75 - 375	Neptune

Application: Metering of petroleum products at bulk plants. These are older type meters, and only a few are now in service.

Conditions: A bulk type deaerator must be installed reasonably close to the meter where the possibility exists of entrained air in the product; e.g. a self-priming pump is used. A strainer must be installed immediately ahead of the meter, and where required, a back pressure or a flow-control valve.


A combination strainer/air release is available in the 1½" and 2" sizes, and this should be installed immediately ahead of a meter where the bulk deaerator is remote from the meter. It may be used alone, without the deaerator, where there is no likelihood of entrained air in the product. Most installations will not require a deaerator.


Description: These meters use the same oscillating piston metering element as other approved models of Neptune meters. Various registers, with or without ticket printers, may be used with these meters as long as these registers meet the requirements of the Regulations.

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 and Measures Division,  
Standards Branch.

  
R. W. MacLean,  
Director,  
Standards Branch.