



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



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

S.WA-630

OTTAWA March 17, 1970.

Approved: NEPTUNE - METERS FOR ANHYDROUS AMMONIA

manufactured by: Neptune Meters Limited, Toronto

Apparatus Listed: Neptune size 1½" and size 2" type 4D style A liquid meters for anhydrous ammonia.

Rating of Apparatus: 10 - 50 gpm and 17 - 85 gpm respectively

Application: Metering of liquid anhydrous ammonia in wholesale and retail trade; e.g., filling of tank cars and trucks, filling of customers' tanks at industrial and commercial establishments; metering of product supplied from tank car to tank truck and from tank truck to fertilizer nurse or applicator tanks.

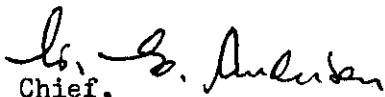
Conditions: All installations must be equipped with either an automatic vapour release or a condensing tank upstream of and adjacent to the meter. All installations must have a differential control valve immediately downstream of the meter. Other requirements as in ST-SPEC-V3 - "Specification for Installation, Verification and Use of Meters for Liquefied Petroleum Gases".

Description: These meters are identical to the corresponding sizes of type 4D meter for LPG except for the materials of construction. The housings are nodular iron, and the internal components are aluminum and ferrous materials to resist the corrosive action of anhydrous ammonia. The combination strainers/vapour releases and differential control valves are of the same pattern as on the meters for LPG.

Testing: When sufficient meters are in service to warrant the expense, all bronze fittings will be removed from the Standards Branch's propane provers LPG-1 and LPG-2, so that these pressure-type provers may be used for meters on anhydrous ammonia. In the meanwhile, these meters must be tested with mineral spirits, and adjusted for 101% registration of the quantity actually delivered. Tolerances on mineral spirits to be ±1/4% over the range full flow to 1/3 full flow (maximum rating).

References: SW-85-N4
Letter of February 9, 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.