



**NOTICE OF APPROVAL  
AVIS D'APPROBATION**

S.WA - 863  
Revision 1

Ottawa, April 26, 1978

LIQUID CONTROLS - MODELS M-5, MA-5, MA-7 METERS

MANUFACTURER: Liquid Controls Corporation  
North Chicago, Illinois

DEVICES APPROVED: Bulk liquid meters, models as listed below:

Model Number	Size Inches	Flow Rating				Max. Pressure
		Gal./Min.		Litre/Min.		
		Petroleum	LPG	Petroleum	LPG	
M-5	1½	10-50	---	45-225	---	150 psi
MA-5	1½	10-50	15-45	45-225	65-195	300 psi
MA-7	2	20-100	30-85	90-450	130-385	300 psi

All of the above meters may be equipped with a preset register in addition to the usual indicating register and ticket printer. Models MA-5 and MA-7 may be equipped with a Series 42700 automatic temperature compensator (range -30°F to +120°F for use when metering liquified petroleum gases. All meter models have casings of aluminum.

NOTE: Some of above-listed meters may have been marked with Approval No. S.WA-919 on earlier installations.

APPLICATION: The metering of liquid petroleum products in trade. Models MA-5 and MA-7 may also be used for the metering of liquified gases.

DESCRIPTION: These meters are rotary positive displacement type, utilizing the same style and arrangement of metering elements and calibrator as used on the series of LC meters earlier approved on S.WA-739.

SPECIAL CONDITIONS: Meters installed on tank trucks shall be equipped with the combination strainer/air release supplied with the meter. Metres at bulk plants may, in addition, require a bulk-type deaerator, particularly if supplied by suction-type pumps.

SPECIAL CONDITIONS: (Continued)

Meters to be used for liquified gases shall also be equipped with a back pressure/differential pressure valve and a well for a test thermometer, and shall be installed and used in accordance with the Ministerial Specification entitled "Specification for the Installation and Use of Meters for LPG."

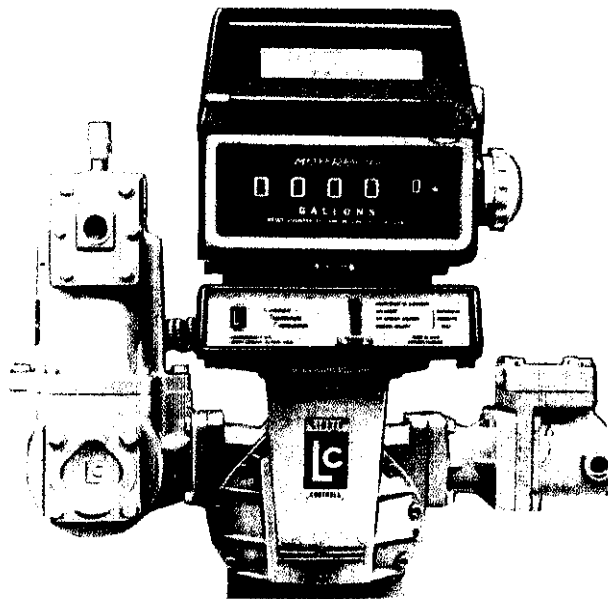
TESTING: The standard tests for bulk meters shall apply.

REFERENCES: G6953-R96-12  
Letters of Approval, Jan.14, Sept.19, Oct.1, 1975

CONDITIONS OF APPROVAL: Approval is granted under the Weights and Measures Act, S.C. 1970-71-72, Chapter 36, and the Weights and Measures Regulations P.C. 1974-1461 of June 27, 1974 for use in Canada under the general conditions of the said Regulations, and under any special conditions listed above.



John Armstrong  
Chief, Weights and Measures  
Legal Metrology Branch



Model MA-7 with ATC