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Normes

**NOTICE OF APPROVAL
AVIS D'APPROBATION**

S.WA-963

Ottawa, April 28, 1978

LIQUID CONTROLS - SPHERICAL STEEL CASE METERS

MANUFACTURER: Liquid Controls Corporation
North Chicago, Illinois

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

Size Inches	Max. Pressure-psi			Flow Rating		Gal./Min.		Litre/Min.	
	150	300	700	Petroleum	LPG	Petroleum	LPG	Petroleum	LPG
1½	MS-5	MSA-5	MSB-5	10- 50	15- 45	45- 225	65- 195		
2	MS-7	MSA-7	MSB-7	20- 100	30- 85	90- 450	130- 385		
2½-3	MS-15	MSA-15	MSB-15	40- 200	55-170	180- 900	255- 770		
3-4	MS-30	MSA-30	MSB-30	70- 350	100-300	270-1360	385-1160		
4	MS-60	MSA-60	MSB-60	120- 600	170-510	460-2320	660-1970		
4	MS-75	MSA-75	MSB-75	140- 700	200-600	550-2730	770-2320		
6	MS-120	MSA-120	MSB-120	200-1000	280-850	770-3860	1100-3300		

These meters may be used for customary petroleum products such as gasolines and fuel oils and also for bunker oils and liquefied petroleum gases.

They may be equipped with approved LC automatic temperature compensators for bunker oils or LPG.

NOTE 1: Meter model number MS-75 was for a short time identified by model number MS-70.

NOTE 2: Some of above-listed meters may have been marked with Approval No. S.WA-919 on earlier installations.

APPLICATION: The metering in trade of bulk quantities of crude and refined petroleum products and liquefied gases.

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

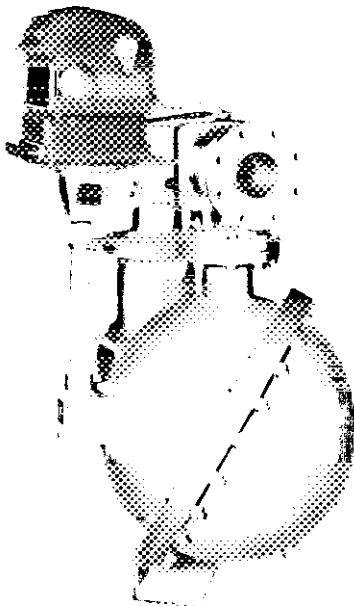
These meters are double-case type, having the original style of LC meter encased in an outer steel housing of spherical shape. The outer housing is filled with liquid at line pressure during meter operation, thus eliminating pressure differentials across the metering chamber housing and permitting higher pressure ratings for the meter.

SPECIAL CONDITIONS: Meters to be used for liquefied gases shall 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 liquid meters shall apply.

REFERENCES: G6953-R96-12
Letters of Approval, Aug.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

MS-75 Steel Case Meter

with Pre-Set, Counter and Printer...weld mounted FS-4 Steel Strainer with A-8930 Steel Air Eliminator...and top flange outlet with VS-AA4 Steel Valve.