

U.S.A-746

June 24, 1969.

Approved: 1-63-53-70-115-165-275-300-600-1200

manufactured by Rockwell Manufacturing Company of Canada Limited

Apparatus listed: Bulk meters for LPG, for loading rack and pipe line installations,  
model numbers as listed below:

<u>Model No.</u>	<u>Capacity Gals. of LPG</u>	<u>PSI Rating</u>	<u>Connections</u>
B-53	33 - 100	300	2" I.P.T.
B-63-53	70 - 210	300	3"-300# ASA flanges
B-64-53	70 - 210	600	3"-300# ASA flanges
B-65-53	70 - 210	1200	3"-600# ASA flanges
B-73-53	115 - 350	300	3"-300# ASA flanges
B-74-53	115 - 350	600	3"-300# ASA flanges
B-75-53	115 - 350	1200	3"-600# ASA flanges
B-83-53	165 - 500	300	4"-300# ASA flanges
B-84-53	165 - 500	600	4"-300# ASA flanges
B-85-53	165 - 500	1200	4"-1200# ASA flanges
B-93-53	275 - 830	300	6"-300# ASA flanges
B-94-53	275 - 830	600	6"-300# ASA flanges
B-95-53	275 - 830	1200	6"-300# ASA flanges

Rating of Apparatus: Maximum and minimum capacities are as listed above.

Applications: Metering of bulk quantities of liquefied petroleum gas products in  
wholesale trade. The model B-53 meter is not approved for installation on a tank  
truck making retail deliveries to homes, farms, etc.

Conditions: Meters must be installed, verified, and used in accordance with Standards Branch Specification ST-SM-3-12 entitled "Specification For The Installation, Verification And Use Of Meters For L.G.".

Application: Measurement of large quantities of propane in wholesale trade, e.g., pipe lines, tank car loading, tank truck loading. The 2" meter may be installed on tank trucks used for delivering complete loads to storage depots or large commercial users, where rates of flow are above the rated minimum of the meter during practically all of the delivery.

Description: The metering elements are of the rotary positive displacement type, and consist of two meshing helical rotors with synchronization fixed by gearing. Double-case construction is used to eliminate distortion of the metering chamber by line pressure or piping strains. Identical metering elements are used for the same size of meter for various pressures, the change being in the outside housing only.

Proportionate printing counters and series "C" indicating counters as well as series 2200 U.S. barrel counters are available for these meters. Series 2200 counters must have a permanently affixed legend 1 U.S. barrel = 39.39 Canadian gallons.

A wide range of other accessories, including strainers, one and two stage automatic valves and flow control valves is available. For L.G., we do recommend a condensing tank rather than a vapour eliminator, as shown on their "Schematic Layout For A Typical L.G. Installation".

Testing: The trend in industry is for users of 3" and larger meters to supply their own pipe type mechanical displacement provers. The 2" meter may be tested with the Standards Branch 50 gallon reliable propane prover. When meters are bench tested with mineral spirits for use on L.G., they are to be adjusted to register 101 gallons for a delivery of 100 gallons.

References: SM-85-B18

Note: Approval is granted under the Weights and Measures Act, Chapter 292, and Regulations thereunder (P.C. 6694) for use in Canada under the general conditions of P.C. 6694, and under any special conditions listed above.

(For) Chief,  
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