



**NOTICE OF APPROVAL
AVIS D'APPROBATION**

S.WA-857

Ottawa, June 14, 1978

BROOKS - BI-ROTOR METERS - GROUP 8

MANUFACTURER: Brooks Instrument Division
Emerson Electric Canada Ltd.
Markham, Ontario

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

Model No.	Flow Rating		Maximum Pressure psi	Connections
	G.P.M.	L/M		
B-63DE	40-210	200- 950	300	3" 300 lb. ASA flanges
B-64DE	40-210	200- 950	720	3" 300 lb. ASA flanges
B-65DE	40-210	200- 950	1440	3" 600 lb. ASA flanges
B-73DE	70-350	320-1600	300	3" 300 lb. ASA flanges
B-74DE	70-350	320-1600	720	3" 300 lb. ASA flanges
B-75DE	70-350	320-1600	1440	3" 600 lb. ASA flanges
B-83DE	100-500	450-2250	300	4" 300 lb. ASA flanges
B-84DE	100-500	450-2250	720	4" 300 lb. ASA flanges
B-85DE	100-500	450-2250	1440	4" 600 lb. ASA flanges

When used for metering of liquefied gases, approved flow ratings are as follows:

- Maximum flow rates - as quoted above
- Minimum flow rates - 25% of maximum.

NOTE 1: These meters may be equipped with a Veeder Root register/printer or with any suitable and approved type of Brodimatic register recommended by the meter manufacturer.

NOTE 2: Depending upon the age of the meter, any of the above-listed meters may be marked with any of the following trade names -

- BRODIE
- ROCKWELL-BRODIE
- ROCKWELL
- BROOKS-BRODIE
- BROOKS

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

DESCRIPTION: These meters are rotary, positive displacement type, utilizing a pair of meshing helically-fluted rotors operating in a measuring chamber. Double case-construction is used in order to prevent distortion of the metering chamber by line pressure or piping stresses.

Several types of control valves are available from the manufacturer for installation with these meters.

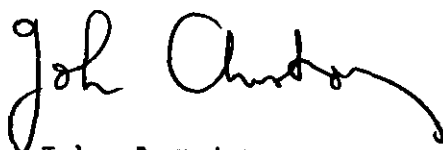
CONDITIONS: A meter shall be equipped by the manufacturer with a close-coupled combination strainer air/eliminator. This strainer/air eliminator shall not be removed except under circumstances approved by the Chief, Weights and Measures.

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-B365
G6953-B365-12

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

