



**NOTICE OF APPROVAL
AVIS D'APPROBATION**

S.WA-858

Ottawa, June 14, 1978

BROOKS - BI-ROTOR METERS - GROUP 9

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-92DE	165- 830	760-3800	150	6" 150 lb. ASA flanges
B-93DE	165- 830	760-3800	275/300	6" 150 lb./300 lb. flanges
B-94DE	165- 830	760-3800	720	6" 300 lb. ASA flanges
B-95DE	165- 830	760-3800	1440	6" 600 lb. ASA flanges
B-103E	250-1250	1140-5700	275/300	8" 150 lb./300 lb. flanges
B-104E	250-1250	1140-5700	720	8" 300 lb. ASA flanges
B-105E	250-1250	1140-5700	1440	8" 600 lb. ASA flanges
B-113E	420-2100	1900-9500	275/300	10" 150 lb./300 lb. flanges
B-114E	420-2100	1900-9500	720	10" 300 lb. ASA flanges
B-115E	420-2100	1900-9500	1440	10" 600 lb. ASA flanges
B-123	580-2900	2600-13200	275/300	10" or 12" flanges or weld ends

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

- Maximum flow rates - as shown 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 types 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

BASIC ASSEMBLIES

B-123 Meter illustrates construction of Meters in Group 9.

MEASURING UNIT
(shown assembled to base)

COVER DOME
(showing counter base plate and adjustor in place)

METER BASE

