



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

S.WA-614

OTTAWA, August 22, 1966

APPROVED: GILBARCO VARIABLE RATIO BLENDING GASOLINE DISPENSER MODELS 954 and 964

manufactured by Gilbert and Barker Manufacturing Company Limited, Toronto, Ontario.

<u>Model No.</u>	<u>DESCRIPTION</u>
954-110	Variable blend dispenser with suction pumps, unlighted.
964-110	Same as 954-110 except lighted; cabinet is 4" higher.
954-010	Variable blend dispenser with remote pumps, unlighted.
964-010	Sames as 954-010 except lighted; cabinet is 4" higher.

Rating of Apparatus: Maximum capacities.

Low grade	10 gpm
High grade	8 gpm
Blended grades	9-12 gpm

Application: Retail gasoline trade.

Description: These dispensers are similar in outward appearance and internal component arrangement to Gilbarco models 262-110 and 252-110 on SD-WA.459, except that a Veeder-Root blending type computer is used. The portion of concentrate is adjustable from zero to 100 per cent in 12.5% steps, and provision is made for changing the increment to 16 2/3% steps in the field. By-pass type visi-gauges are used, connected across special pressure valves on the downstream side on the meters and the back of the hose outlet and blender valve castings, as shown in the schematic drawing on the back of this circular. The pressure valves control this flow of liquid through the visi-gauge as follows. As the nozzle is closed, and the pressure downstream of the valves increases, the spring-loaded valves close in proportion to the pressure, causing an increase in pressure in the supply lines to the visi-gauges, and thus maintaining a constant flow through the visi-gauges regardless of the nozzle opening. With very low flows the valves are completely closed and all of the product being delivered passes through the visi-gauges.

Testing: The standard tests for a blending type gasoline dispenser shall apply.

Reference: SW-85-G12
SL-102-632

Note: Approval is granted under the Weights and Measures Act, Chapter 292, and Regulations thereunder (P.C. 6894) for use in Canada under the general conditions of P.C. 6894, and under any special conditions listed above.

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GILBARCO VARIABLE BLENDER

