



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL - AVIS D'APPROBATION

NO.	S.WA - 860
DATE	June 22, 1973

APPROVED: TOKHEIM DISPENSERS FOR USE WITH SELF-SERVE PREPAY AND POSTPAY SYSTEMS

MANUFACTURED BY: Tokheim of Canada Limited, Toronto

APPARATUS LISTED: Computing type gasoline dispensers for use with self-serve prepay and postpay systems, models as listed below:

<u>MODEL NO. OF DISPENSER</u>	<u>ORIGINAL S.WA NO.</u>	<u>DESCRIPTION</u>
1048A, 1050A 2148AT, 2150AT 2248A, 2250A	611 732 620	Single hose, single product, suction pump
1048A-1, 1050A-1 2248A-1, 2250A-1	603 620	Two hoses, single product, suction pump
1048A-2, 1050A-2 2248A-2, 2250A-2	603 620	Two hoses, two products, suction pumps
1048A-HD, 1050A-HD 2248A-HD, 2250A-HD	603 620	Single hose, single product, heavy duty suction pump.
785, 785MC, 785HC	842	Commercial dispensers; available only with suction pumps.

Also, the dispensers corresponding to the foregoing models that are used with remote submerged pumps, designated by the suffix -RC.

In all the models listed above, the suffix APC is used to denote the prepay system and the suffix AFC to denote the postpay system, and I to denote an intercom system.

NOTE: The "48" in the foregoing model numbers indicates a dispenser 48 inches high, and the "50" the same dispenser, but 50 inches high because of a different light unit. Both the 48-inch and 50-inch units are covered by the original approval, but only the 48-inch is listed on some circulars.

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DESCRIPTION: The APC system is used in self-serve operations where the customer pays in advance for the desired value of gasoline. The cashier sets the money-value on a preset register on the control console, and presses the APPROVE button. The customer is then able to take delivery of product with the delivery automatically terminated when the cashier's preset register reaches zero.

The AFC system is used in self-serve operations where the customer pays the cashier after taking delivery of the desired quantity of gasoline. The cashier reads the value of the sale from a register on the control console.

The feature essential to both systems is the addition of a transmitter to the primary register of the dispenser; this sends a signal to the secondary register on the cashier's console, driving the preset register toward zero in the APC system and the postpay register forward in the AFC system. With both systems, a "man-auto" switch on the cashier's console permits operation of the dispenser in the conventional manner.


When the APC system is used with dispensers having suction pumps, a solenoid-operated product control valve is added, with a capillary tube installed in a by-pass for delivery of the last 5¢ worth of product, and the delivery is terminated by stopping the pump. In dispensers with remote pumps, a small solenoid valve is installed in a by-pass around the existing solenoid product control valve to deliver the last 5¢ worth of product.

MARKING: All dispensers incorporating the APC or AFC system shall have installed on each dial face a permanent legend with the words "in case of disagreement between this register and the cashier's register, this register shall be taken as correct" in letters at least 3/16" high.

TESTING: The standard tests for a gasoline dispenser shall apply. There is no need to seal the register on the cashier's console, as legally the money register on the dispenser is the basis for the sale.

REFERENCE: Letter from Tokheim dated October 25, 1972,
G 1151-57/T168-624

CONDITIONS OF APPROVAL: Approval is granted under the Weights and Measures Act, R.S.C., 1970, c.W-7, 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.


R. W. Maclean
Director,
Standards Branch