



**NOTICE OF APPROVAL  
AVIS D'APPROBATION**

S.WA-1032

Ottawa, May 18, 1978

TOKHEIM - DISPENSING SYSTEM WITH ELECTRONIC READOUT

MANUFACTURER: Tokheim of Canada Limited  
5988 Ambler Drive  
Mississauga, Ontario

DEVICES APPROVED: Gasoline dispensers with electronic readout, and separate computer unit for use with up to six hose outlets. A cashier's console (optional) permits self-serve operation in either prepay or postpay mode.

<u>Model Number</u>		
<u>Suction Pump</u>	<u>Remote Pump</u>	<u>Dispenser Type</u>
158A, 162	158A-RC, 162-RC	Single hose
162-1	162-1-RC	Twin, one product
162-2	162-2-RC	Twin, two products

Flow range is 3-12 gpm or 15-55 L/M for all models.  
Suffixes AFC and APC to the dispenser model number denote postpay and prepay self-service modes respectively.

<u>Model Number</u>	<u>Self-Serve System Module</u>
87	Computer
87-AD	Power Supply
136	Self-serve Console - Postpay
126	Self-serve Console - Prepay

APPLICATION: Retail gasoline trade, either self-serve or attendant-served installations.

DESCRIPTION: These dispensers utilize the same liquid handling components as Tokheim Series 2250 dispensers which are approved on S.WA-620. Dispenser models 158A and 158A-RC are equipped with rotatable register heads to provide greater flexibility of operation. Register heads on model series 162 have fixed mounting arrangements. Meter rotation is converted to electrical pulses (1000/gal.) by means of a pulser unit which is driven by the meter shaft. The pulser output is fed to a computer unit.

The power supply unit provides the interface between the computer and the dispensers, and contains DC power supplies, relays, circuit breakers, back-up battery pack and several controlling circuit boards.

Unit price settings are made by means of thumbwheel switches located on the computer display panel. Money and volume totals for all dispensers are continuously displayed on the computer panel by means of non-resettable electromagnetic counters. A transparent cover is secured over the computer display panel, with access restricted to use of a key, the system automatically becoming deactivated when the panel is unlocked.

The dispenser registers display unit price, sale total, and sale volume by means of incandescent numeral tubes, this data being received from the computer. In attendant-served operations, gasoline sales are handled in the same manner as with dispensers having conventional mechanical registers.

The cashier's console, which is used in self-serve operation, receives its input from the computer and, on an LED display, indicates the money and volume registration (selectively, one at a time) for up to 6 gasoline dispensers and permits the operator to maintain control of operation of the dispensers. The console has the customary complement of function controls and indicators, and is operated in generally the same manner as that of self-serve equipment of other manufacturers. When equipped with a cashier's console for self-serve, the station may be switched to the attendant-served mode by operation of a keyswitch, this action being under the manager's control.

These dispensers are equipped with a meter-driven mechanical totalizer reading to .01 gallon.

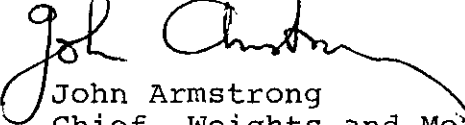
MARKING: On self-serve dispensers there shall be installed on each dial face a permanent legend in letters at least 3/16" high and reading as follows:

"In case of disagreement between this register and the cashier's register, this register shall be taken as correct." or  
"Charges must agree with this register."

TESTING: The standard tests for gasoline dispensers shall apply.

REFERENCES: G6953-T168-10  
Test report dated September 29, 1977.

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