



Consumer and
Corporate Affairs

Consommation et
corporations

Standards

Normes

**NOTICE OF APPROVAL
AVIS D'APPROBATION**

S.WA-978

Ottawa, May 9, 1978

BENNETT - GASOLINE DISPENSERS - 5000 SERIES

MANUFACTURER: John Wood Company Ltd.
101 Hanson Street
Toronto, Ontario

DEVICES APPROVED: Gasoline dispensers with integral electronic computing register, with optional cashier's console and accessories to provide remote registration and control for self-serve installations incorporating up to 12 dispensers.

<u>Dispenser Model No.</u>	<u>Description</u>	<u>Flow Range</u>	
		<u>GPM</u>	<u>L/M</u>
5012	Single Product	3-13	14-60
5022	Two Product, Twin	3-13	14-60
5024	One Product, Twin	3-13	14-60

All above dispenser models are served by remote pumps. The main components comprising the remote registration and control system are as follows:

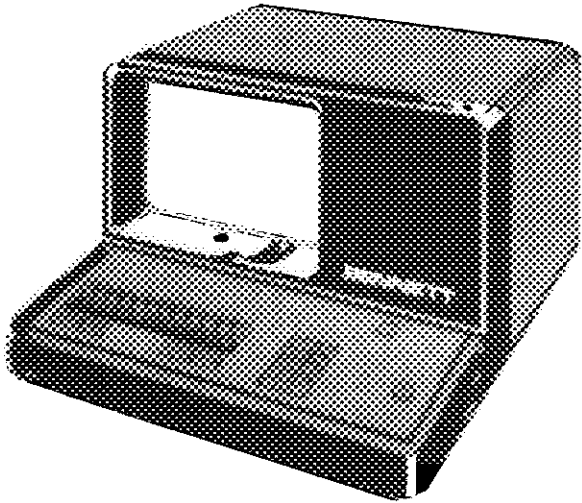
<u>Component</u>	<u>Model No.</u>
Display/Control Console	080981
Interconnection Box	J-7340-01
Pulser Unit	J-6250-01

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

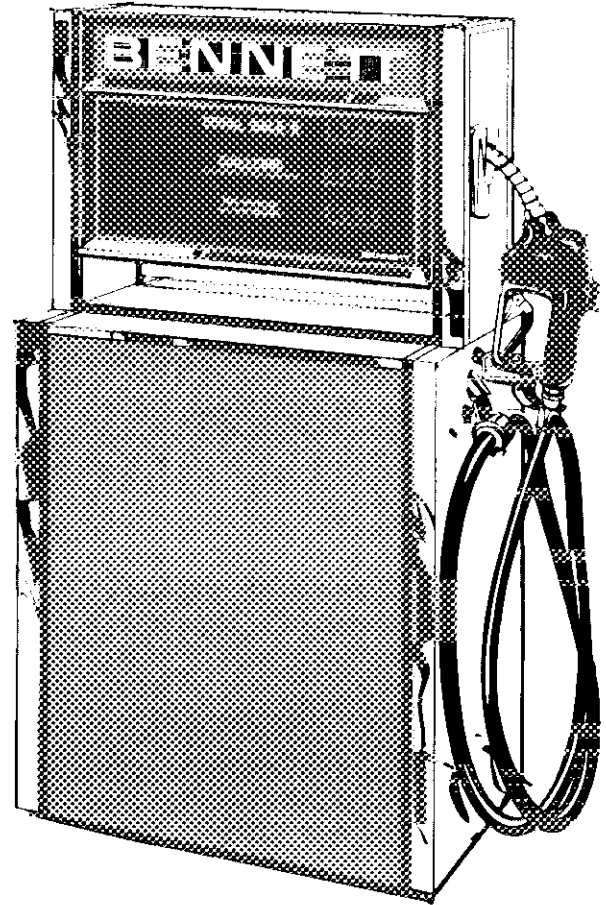
DESCRIPTION: These dispensers utilize the same liquid handling components as Bennett Models 4012, 4022 and 4024 which are approved on S.WA-808, Revision 3, with some configuration changes to permit use of a new style enclosure.

The dispenser register is the full electronic type incorporating a microprocessor that receives input from a meter-driven pulser unit and provides a digital display of money and volume registration by means of incandescent numeral tubes.

BENNETT - GASOLINE DISPENSERS - 5000 SERIES



CRT display and console



5000 Series Dispenser

The cashier's console that is used in self-serve installations consists of a control keyboard and a cathode ray tube (CRT) viewing screen that provides an indication of sale volume and money registration for up to 12 dispensers, selectively, one at a time. Volume and money data for all dispensers is received by a microprocessor located within the console, this data being continuously transmitted from the dispenser registers. Interface between the console and the dispenser is provided by an interconnection box which incorporates such facilities as: dispenser and pump power relays, console power switch, data terminals, etc.

Following programming of the system by entering such variables as inventories, unit prices, sale mode, etc., in the console microprocessor, by the manager, the cashier can authorize a customer to begin taking delivery by pressing the "Arm" button for the dispenser being used. On the completion of delivery the sale data is retained in memory at the console until payment is made, following which the operator frees the memory for the next delivery by again pressing the relevant "Arm" button.

In addition to the postpay mode of operation, the system is also equipped for self-serve prepay operation, having preset features by which means the customer's desired sale total can be entered at the console and payment received before "arming" the dispenser, which in turn will deliver only until the preset sale total is reached.

Being completely self-contained, these dispensers may be operated in the normal attendant-serve mode, whether or not the installation includes the remote cashier's console. Where the remote cashier's console is installed, the console must be switched to "manual" before attendant-serve operations can be initiated.

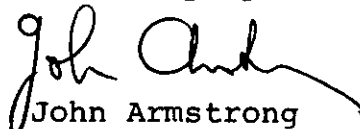
MARKING: On self-serve dispensers there shall be installed on each dial face a permanent legend, in letters at least 3/16" high, and reading as follows:

"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 self-serve and attendant-served gasoline dispensers shall apply.

REFERENCE: G6953-W158-9
Test Report, January 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