



Consumer and  
Corporate Affairs

Consommation et  
corporations

Standards

Normes

**NOTICE OF APPROVAL  
AVIS D'APPROBATION**

S.WA-838

Revision 1

Ottawa, June 8, 1978

STENPRO - GASOLINE DISPENSERS - MODELS S-171, S-1732, S-2752

MANUFACTURER: Steel and Engine Products Ltd.  
Liverpool, Nova Scotia

DEVICES APPROVED: Computing type gasoline dispensers, model numbers  
as follows:

<u>Model No.</u>	<u>Description</u>
S-171	Single, self-contained
S-1732	Twin, self-contained, one product
S-2752	Twin, self-contained, two product

Any of the above models may be furnished for use with a remote pump, in which case the letter "R" is suffixed to the model number.

Any model may be equipped for self-serve operation in the post pay mode, in which case the letters "PP" are suffixed to the model number.

RATING: Flow rate - 2 to 12 gallons per minute;  
9 to 55 litres per minute.

APPLICATION: Retail gasoline trade.

DESCRIPTION: These dispensers are built with the customary arrangement of main components, most of which are obtained from outside suppliers. The pumping unit in self-contained dispensers is positive displacement, rotary gear type, manufactured by Dresser Industries Inc., Franklin Park, Illinois.

The air separator is fitted with a float valve at the inlet to the atmospheric chamber. This valve closes when there is more carryover of liquid than the recirculation (float-operated) valve can handle.

The metering unit utilizes three pistons operating vertically in cylinders spaced 120 degrees apart. The pistons are linked to a wobble plate which provides a rotational output to drive the

indicator/computer mechanism. Rotary action is also applied to a plate-type valve which opens and closes the cylinder ports in proper sequence. The meter and the air separator are manufactured by Southwest Pump Company, Bonham, Texas.

The register and price computer is a conventional type, manufactured by Veeder-Root. For self-serve installation, the dispenser register is equipped with a pulser unit which is actuated by the cent wheel of the register, the electrical pulses so generated being fed to the cashier's console which contains the necessary facilities for computation and display, and for control of dispenser use. The self-serve system may be the Veeder-Root type 500 post pay system, or may be any other approved type which is compatible with the dispensers.

The enclosure is oval-shaped, having a welded steel frame and base with stainless steel cover panels.

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:

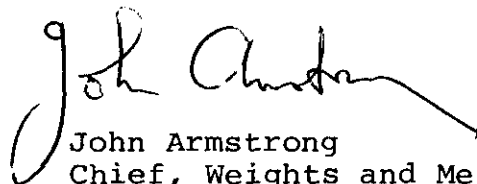
"In case of disagreement between this register and the cashier's register, this register shall be taken as correct." or

"Charges must agree with this register."

TESTING: The standard tests for a gasoline dispenser shall apply.

REFERENCES: G6953-S493-4  
Letters of Approval, Oct. 19, 1973, May 22, 1975

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