



Consumer and
Corporate Affairs

Consommation et
corporations

Standards

Normes

**NOTICE OF APPROVAL
AVIS D'APPROBATION**

S.WA-1015

Ottawa, May 11, 1978

SOUTHWEST - GASOLINE DISPENSERS - SERIES E430, E440

MANUFACTURER: SW Pump Company of Canada
Division of Patterson Associates Limited
492 Eglinton Ave. E., Toronto

DEVICES APPROVED: Gasoline Dispensers, models as listed below:

<u>Suction Pump</u>		<u>Model Numbers</u>		<u>Remote Pump</u>	<u>Description</u>
<u>Lighted</u>	<u>Unlighted</u>	<u>Lighted</u>	<u>Unlighted</u>		
E-440	E-430	E-440-S	E-403-S		Single-Offset Computer
E-440-C	E-430-C	E-440-C-S	E-430-C-S		Single-Centre Computer
E-440-1	E-430-1	E-440-1-S	E-430-1-S		Single-Offset Computer Twin Housing
E-440-C-1	E-430-C-1	E-440-C-1-S	E-430-C-1-S		Single-Centre Computer Twin Housing
E-440-T	E-430-T	E-440-T-S	E-430-T-S		Twin-Two Products
E-440-MT	E-430-MT	E-440-MT-S	E-430-MT-S		Twin-One Product

Maximum capacity is 12 gpm or 55 L/M for all models.
Heavy duty versions of these dispensers are available with
a high volume pumping unit (3/4 h.p. motor) with a maximum
capacity of 18 gpm or 80 L/M.

APPLICATION: Retail gasoline trade.

DESCRIPTION: These dispensers are built with the customary arrange-
ment of main components.

The suction pump unit 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 that 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.

The register and computer is a conventional type manufactured by Veeder-Root and equipped with electrical reset.

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

REFERENCES: G6953-1
G6953-S1070

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

