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 - 867

DATE July 5, 1973

GILBARCO - HYDRAULIC TREE FOR DISPENSERS WITH REMOTE PUMPS

MANUFACTURED BY: Gilbarco Canada Ltd., Brockville

DEVICE LISTED: A compact assembly of the inlet strainer, product control valve, pilot valve and its solenoid, filter, and electrical junction box, referred to by Gilbarco as a "hydraulic tree".

DESCRIPTION: The component parts of the Gilbarco hydraulic tree are shown and described overleaf.

APPLICATION: The hydraulic tree is designed for use with dispensers in the Trimline series, the G series (S.WA - 682) and the Socal or D series (S.WA - 814).

In the Trimline series, dispensers incorporating the hydraulic tree are identified by the letter "J" as the eighth digit of the model number, and in the Socal and G series by the letter "B" as the tenth digit.

MARKING: All dispensers equipped with the hydraulic tree shall be marked only with the original number under which they were approved.

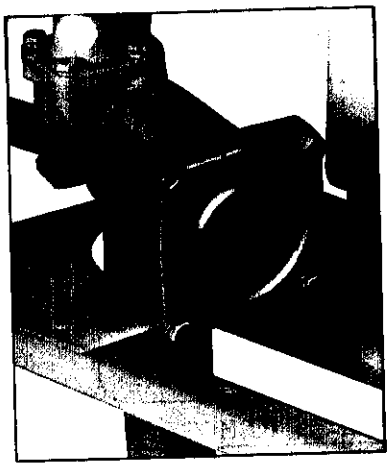
TESTING: The standard tests for a gasoline dispenser shall apply.

REFERENCE: G 1151-57/G188-681; GL 1151-57/G188-681

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

CCA-873 (3-71)



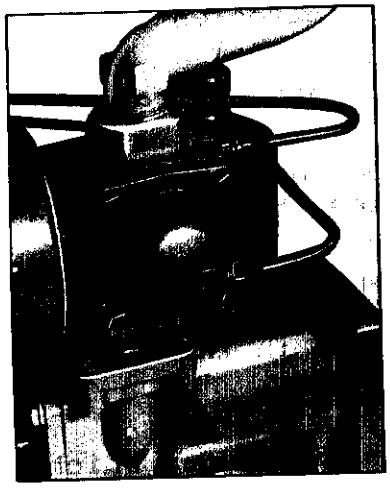
STRAINER AND CHECK VALVE

A new die-cast design provides smooth flow passage ways and convenient "0" ring sealed caps for ease of maintenance.

Note: All hydraulic tree models provide double filtering; a strainer at the inlet of each dispenser, and a filter at the control valve inlet.

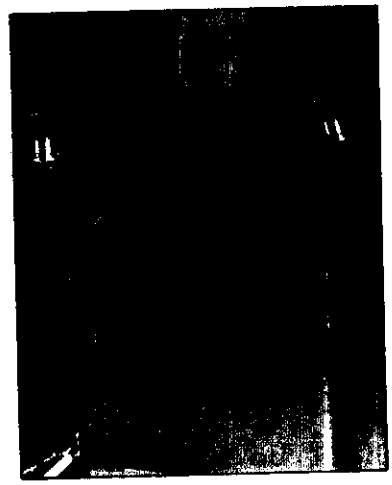
FILTER AND FILTER ADAPTER

The filter is readily accessible from either side of the dispenser for ease of replacement. The filter arrangement on the housing is such that all gasoline is filtered before passing through the valve.



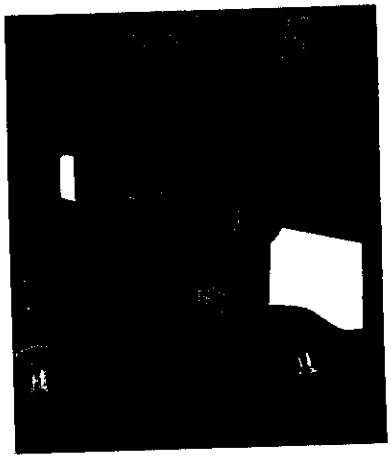
CONTROL VALVE

The valve is opened and closed by an electrically operated pilot valve, eliminating troublesome mechanical linkage. This prevents delivery of gasoline through the dispenser before the operating lever is in the "ON" position. The design is a simple diaphragm type with only two moving parts, the diaphragm and a spring.



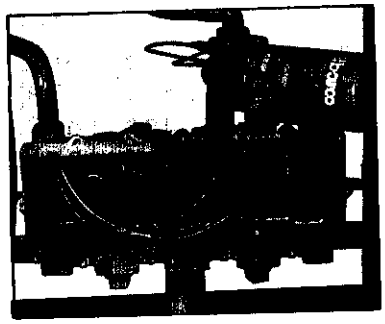
PILOT VALVE COIL

The coil is located inside the junction box and can be easily replaced by loosening the retaining nut. The large junction box allows for easy access to the coil and eliminates disconnecting conduit or gasoline lines for coil replacement.



PILOT VALVE

The pilot valve also has only two moving parts, a plunger and a spring. Both parts are easily accessible without disconnecting the primary gasoline lines or electrical conduit. The plunger and tube are both stainless steel for greater dependability and length of service.



JUNCTION BOX

Ease of field connections is assured by the oversize die-cast aluminum housing. Flanges are turned out to give you a cover opening as large as the housing.

Solenoid coils are all located in the housing and can easily be serviced without disconnecting gasoline lines or electrical conduits.

Gilbarco

Greensboro, N. C. 27420