



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-874

DATE

September 20th., 1973

BENNETT-TYPE 70 PUMP/AIR ELIMINATOR UNIT FOR DISPENSERS

MANUFACTURER: Bennett Pump Division,
John Wood Company Ltd., 101 Hanson St.,
Toronto, Ontario.

APPARATUS: Type 70 pump/air eliminator unit for gasoline dispensers.

APPLICATION: This pumping unit may be installed in any approved model of Bennett series 3700 and series 4000 gasoline dispensers in place of the currently used type 40 pump/air eliminator unit.

DESCRIPTION: This unit combines the pump, air/vapour separator and vapour recovery sump in a re-designed single housing, the complete assembly being designated as the type 70 compact pumping unit.


The pump is a rotary, sliding-vane type and discharges directly into the air separator which is of tubular shape and mounted directly above the pump. The separator is a centrifugal type, having tangential entry and exit of the liquid, and an axial exit for air and vapour, which is forced to the centre of the tube by the denser liquid swirling about the wall.

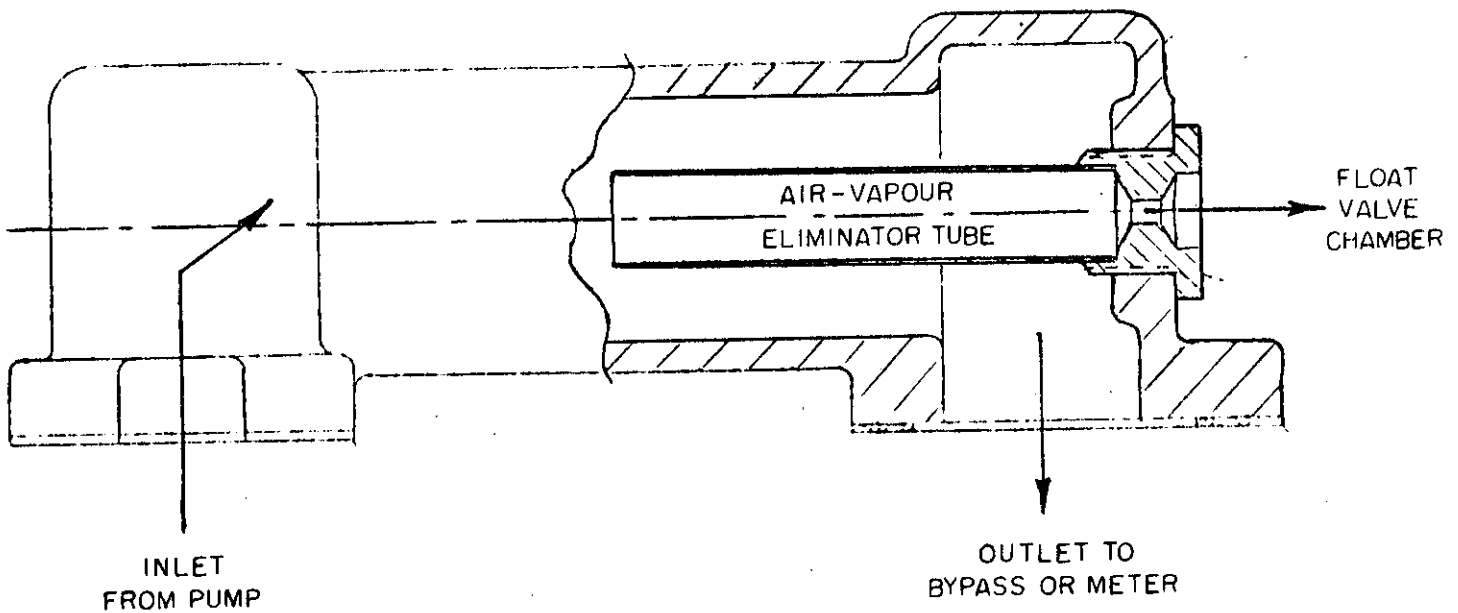
The vapour-laden air, together with some liquid, is discharged from a restriction at the end of the concentric air eliminator tube to a sump. From the sump the air is vented to the atmosphere through a restriction fitting connected to a line terminating in the nozzle holder. Liquid from the sump is returned to the pump suction through a float-operated valve.

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REFERENCES: G 1151-57/W158-8, GL 1151-57/W158-8

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 General,
Standards Branch.



SEPARATOR AND AIR ELIMINATOR ASSEMBLY