



NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 5/6S/2A

This is to certify that an approval for use for trade has been granted in respect of the pattern and variants of the

Glenn Pleass Model EDI Remote Storage Liquor Dispenser

submitted by Glenn Pleass Industries Pty Ltd
37 Humphries Terrace
Kilkenny SA 5009.

This Certificate is issued upon completion of a review of NSC approval No 5/6S/2 which expired in respect of new instruments on 18/3/85.

CONDITIONS OF APPROVAL

General:

This approval is subject to review on or after 1/5/90.

Instruments purporting to comply with this approval shall be marked NSC No 5/6S/2A.

This approval may be withdrawn if instruments are constructed and used other than as described in the drawings and specifications lodged with the Commission.

The Commission reserves the right to examine any instrument purporting to comply with this approval.

Special: For Variant 2

The position of the non-pressurised bulk feed tanks or bottles, relative to the pumps, shall not be altered after verification.

Signed


Acting Executive Director

Descriptive Advice

Pattern: approved 4/3/85

A liquor dispensing system using pressurised bulk storage tanks and a hand-held multi-outlet dispensing nozzle.

Variant: approved 4/3/85

1. With single-product fixed outlets replacing, or in addition to, the multi-outlet dispensing nozzle of the pattern.
2. With non-pressurised bulk storage tanks or bottles replacing the pressurised bulk storage tanks of the pattern.

Technical Schedule No 5/6S/2A describes the pattern and variants.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 5/6S/2A dated 20/1/86
Technical Schedule No 5/6S/2A dated 20/1/86
Test Procedure No 5/6S/2A dated 20/1/86
Figures 1 to 8 dated 20/1/86



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 5/6S/2A

Pattern: Glenn Pleass Model EDI Remote Storage Liquor Dispenser

Submitter: Glenn Pleass Industries Pty Ltd
37 Humphries Terrace
Kilkenny SA 5009

1. Description of Pattern

The pattern is a liquor dispenser for the measurement of brandy, whisky, vodka, gin or rum (Figure 1).

1.1 The System

The system comprises:

- (a) pressurised bulk storage tanks (Figure 2), each connected to a liquor reservoir,
- (b) pump units (one per outlet) comprising a pump and solenoid,
- (c) a constant-pressure gas supply,
- (d) a hand-held liquor dispensing nozzle fitted with up to twelve liquor-select buttons and outlets (Figure 3) and
- (e) a pour-size indicator (Figure 4).

The pump unit is operated by gas from the constant-pressure gas supply comprising a gas storage tank and an electronically-controlled pressure monitor (Figure 4). The pressure monitor is adjusted to allow the instrument to operate only when the pressure is within ± 40 kPa of the pressure at verification.

A pressure gauge graduated in not more than 10 kPa increments is fitted.

1.1 Operation

The liquor to be dispensed and the pour-size are selected by buttons on the nozzle which provide electrical signals to the pump unit. The pour-size is selected as follows:

- (a) For a 15 mL pour, press the required liquor-select button. The buttons are marked B (brandy), W (whisky), etc or alternatively marked 1, 2, 3, etc where each number corresponds to each pump unit verified.
- (b) For a 30 mL or a 60 mL pour, press the 30 mL or 60 mL button before pressing the required liquor-select button.

1.2 Indicator

The pour-size selected is indicated by illumination of the appropriate pour-size indicator on the panel which is located so as to be clearly visible to the purchaser.

Instruments which are set up for only one pour-size are not required to have the pour-size indicator illuminated.

1.3 Markings

Instruments are marked with the following data on a plate affixed in a prominent position:

Manufacturer's name or mark	
Serial number of the instrument	
NSC approval number	NSC No 5/6S/2A
Types of liquors to be dispensed	
Quantities in the form	To deliver 15 mL, 30 mL or 60 mL

Each pump and associated reservoir are marked with the liquor for which they are verified.

1.4 Sealing

The calibration devices of the pump units (Figure 5), the float-operated switches of the reservoirs and the gas supply monitoring unit (Figure 5) should be sealed.

1.5 Verification Provision

Provision shall be made for the application of a verification mark.

2. Description of Variants

2.1 Variant 1

With single-product fixed outlets (Figure 6) replacing, or in addition to, the hand-held multi-outlet dispensing nozzle of the pattern.

Each fixed outlet shall have its own solenoid, separate to that of each nozzle outlet and marked with the liquor for which the pump unit and associated reservoir are verified.

2.2 Variant 2

With non-pressurised bulk storage tanks (Figure 7) replacing the pressurised bulk storage tanks of the pattern, or with a bottle fitted directly into the reservoir (Figure 8).

The position of the non-pressurised bulk-feed tanks, relative to the pump units, shall not be altered after the pump units have been calibrated and the instrument verified.

The non-pressurised bulk feed tanks are sealed in position at verification, with lead and wire or a similar method.

TEST PROCEDURE No 5/6S/2A

Maximum permissible errors are:

- ± 0.6 mL for 15 mL deliveries;
- ± 1.0 mL for 30 mL deliveries; and
- ± 1.5 mL for 60 mL deliveries.

1. (a) For each pump unit, remove the liquor supply and continue dispensing until the float switch stops the instrument delivering that liquor.

Check by visual inspection that the reservoir has not emptied.
- (b) During these tests, whilst a delivery is being made, select a second button and hold it down. No further delivery should take place until the initial delivery is completed and the second button is released and re-pressed.
2. Check that the pour-size indicator, indicates the size of pour, remains on after a delivery, and momentarily goes out between two deliveries of the same size.
3. (a) Record the pressure indicated on the pressure gauge, then by means of the pressure regulator increase the pressure until the power-indication light on the constant-pressure gas supply goes out. Check that the instrument will not operate. The pressure monitor should operate and the power indicator light should extinguish before the pressure increases by more than 40 kPa.
- (b) Reduce the pressure by means of the pressure regulator and by bleeding gas from the gas-storage tank. The power-indicator light will illuminate and then extinguish again before the pressure falls to 40 kPa less than the pressure recorded in (a).

National Standards Commission



Cancellation Certificate of Approval No 5/6S/2A

Issued under Regulation 9
of the
National Measurement (Patterns of Measuring Instruments) Regulations

This is to certify that the approval for use for trade granted in respect of the

Glenn Pleass Model EDI Remote Storage Liquor Dispenser

submitted by Glenn Please Industries Pty Ltd
now of
5 Toogood Avenue
Beverley SA 5009

and described in Certificate of Approval and Technical Schedule No 5/6S/2A

will be cancelled in respect of new instruments as from 31 January 1995.

Signed and sealed by a person authorised under
Regulation 9 of the National Measurement
(Patterns of Measuring Instruments) Regulations
to exercise the powers and functions of the
Commission under this Regulation.

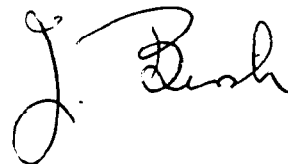
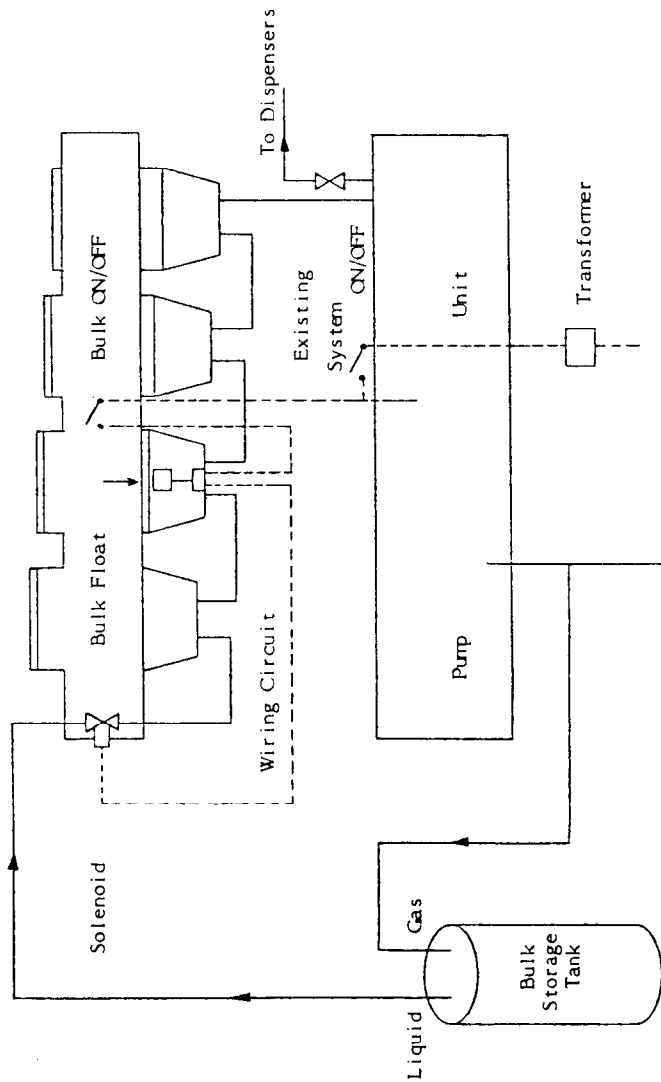
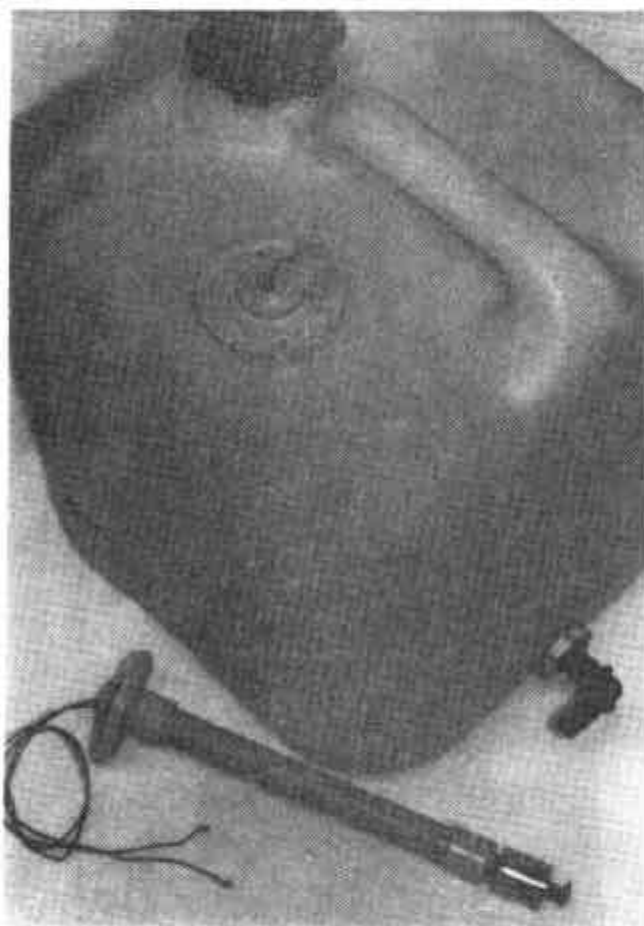


FIGURE 5/6S/2A - 1



EDI Liquor Dispensing System

FIGURE 5/6S/2A - 2

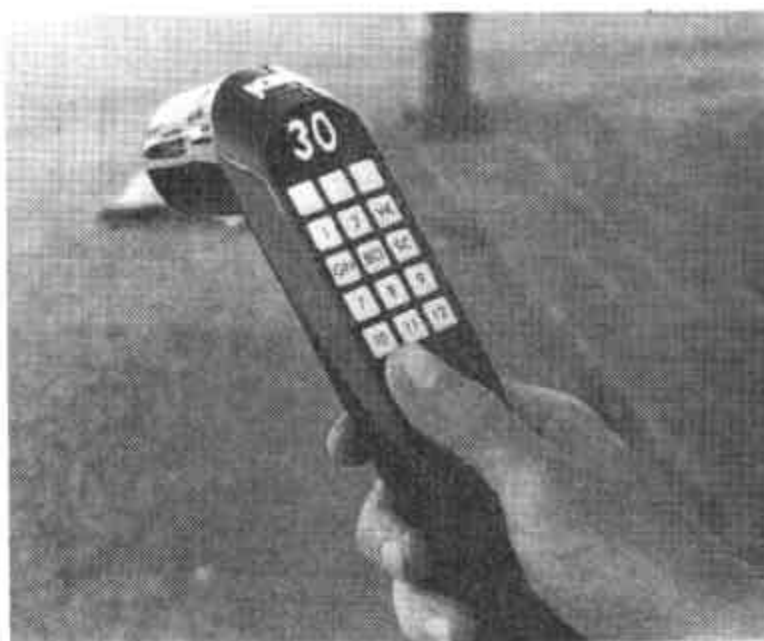


Bulk Storage Tank

FIGURE 5/6S/2A - 3



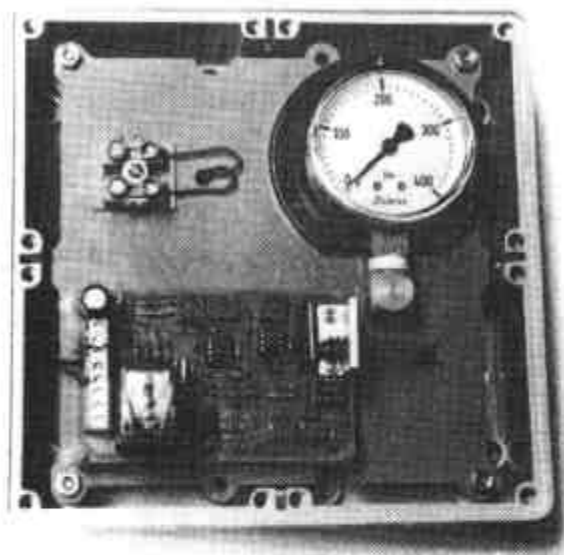
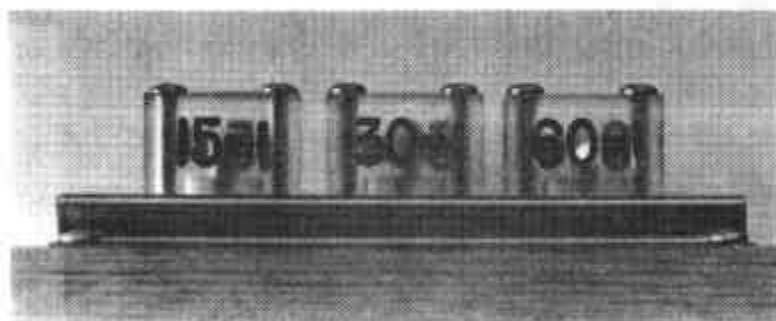
(a) Six-button



(b) Twelve-button

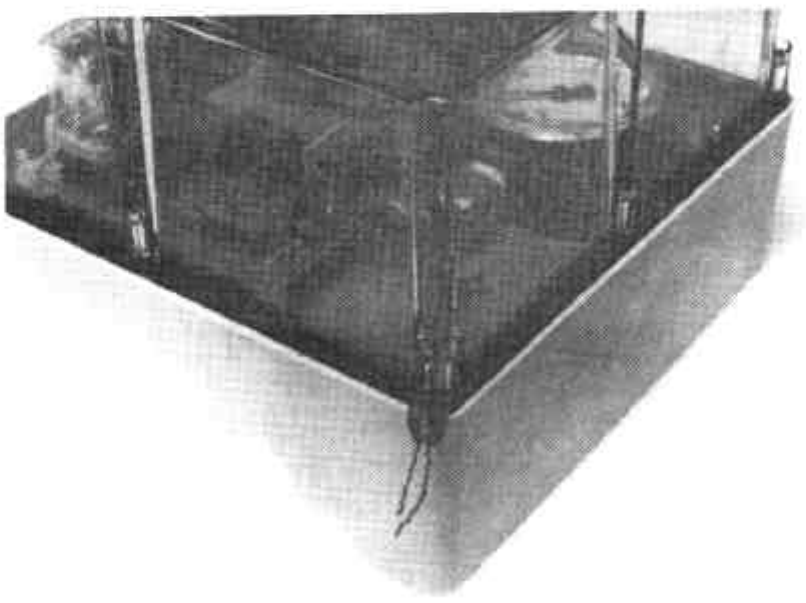
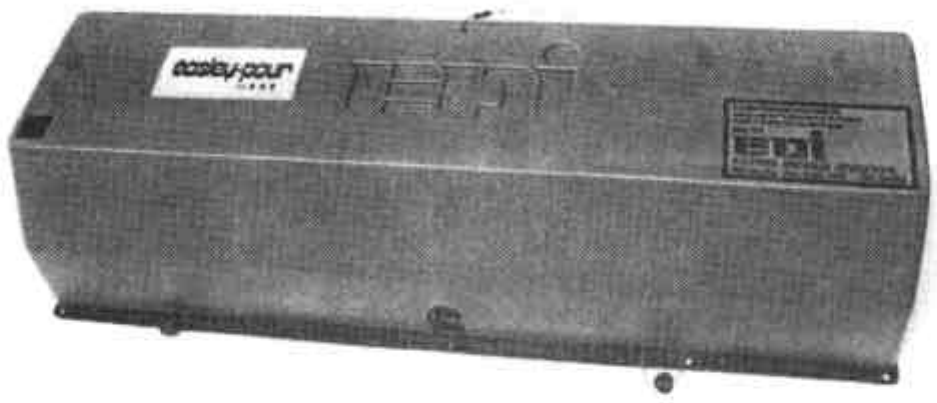
Alternative Dispensing Nozzles

FIGURE 5/6S/2A - 4



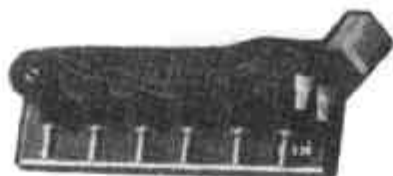
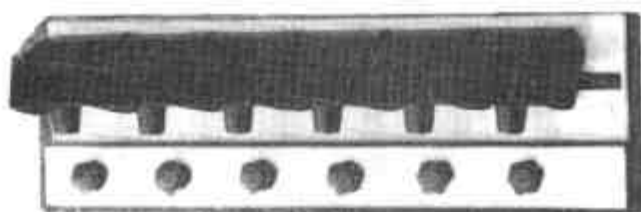
Pour-size Indicator and Pressure Monitor

FIGURE 5/6S/2A - 5



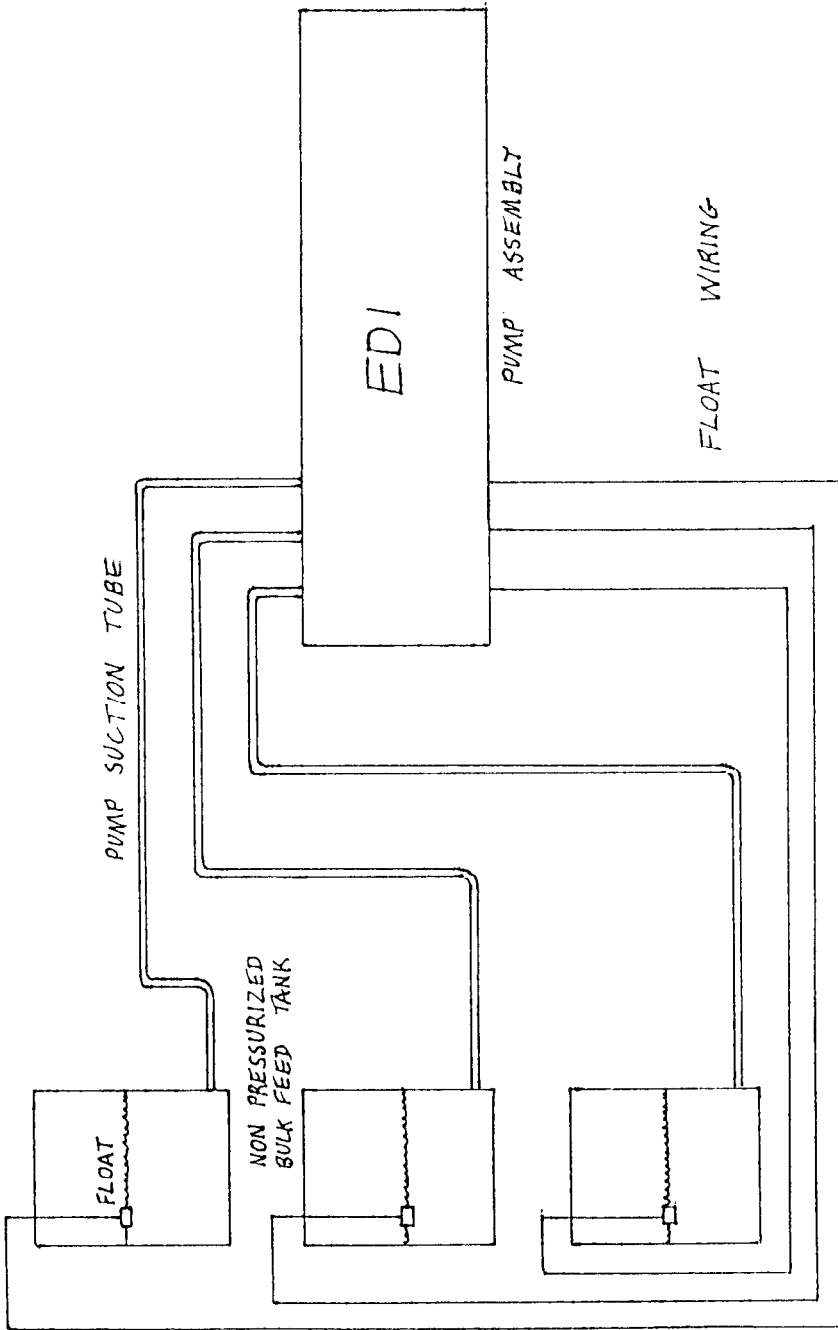
Sealing of Pump Unit and Pressure Monitor

FIGURE 5/6S/2A - 6



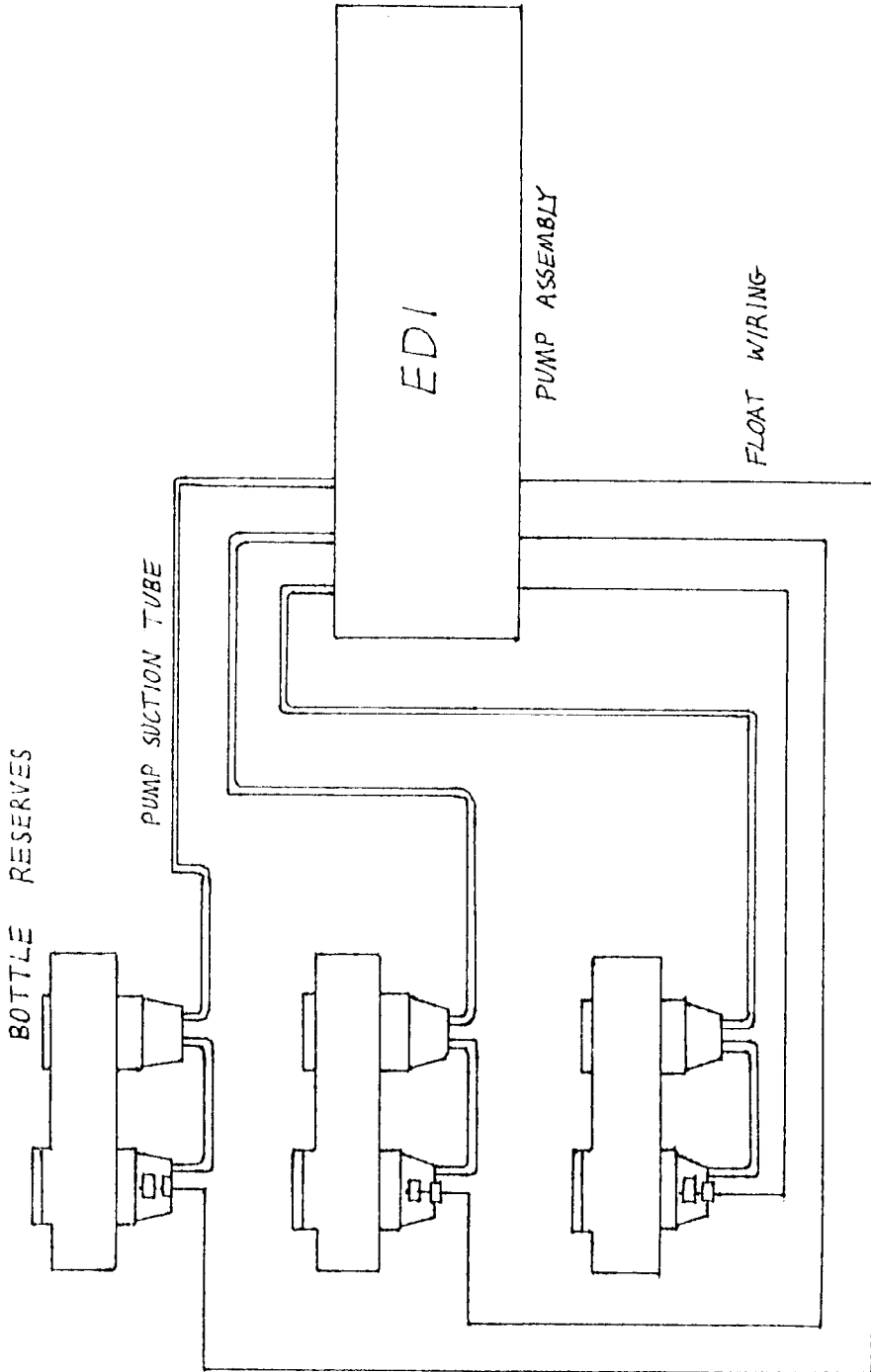
Showing Fixed Outlets

FIGURE 5/6S/2A - 7



Non-pressurised System

FIGURE 5/6S/2A - 8



Bottle-fed System