5/6S/6
22 March 2002

# National Standards Commission

12 Lyonpark Road, North Ryde NSW

## Cancellation

## Certificate of Approval

## No 5/6S/6

Issued under Regulation 60
of the
National Measurement Regulations 1999

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

TechnoBar Model T6 Remote-storage Spirit Dispenser

submitted by Allstates Liquor & Beverage Systems
8 Ovata Drive
Tullamarine VIC 3043

has been cancelled in respect of new instruments as from 1 April 2002.

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.

# National Standards Commission

## Certificate of Approval

## No 5/6S/6

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

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

TechnoBar Model T6 Remote-storage Liquor Dispenser

submitted by Bar Technology Pty Ltd
7 Murphy Street
Chadstone VIC 3148.

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1 December 2000.
This approval expires in respect of new instruments on 1 December 2001.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

Instruments purporting to comply with this approval shall be marked NSC No 5/6S/6 and only by persons authorised by the submittor.

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It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document 106.

## DESCRIPTIVE ADVICE

**Pattern:** approved 17 November 1995

A TechnoBar model T6 remote-storage liquor dispenser. May also be known as a Liq-A-Tronic model T6.

**Variants:** approved 17 November 1995

1. TechnoBar (or Liq-A-Tronic) model T8 which has 8 dispensing heads.

2. With a hand-held multi-outlet dispenser; instruments are then known as model K6 or K8.

**Variant:** approved 13 May 1996

3. With membrane-type operating switches instead of the lever-operated switches of the pattern; instruments are then known as models M6 or M8.

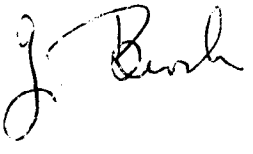
Technical Schedule No 5/6S/6 describes the pattern and variants 1 to 3.

## FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 5/6S/6 dated 12 August 1996
Technical Schedule No 5/6S/6 dated 12 August 1996 (incl. Test Procedure)
Figures 1 to 7 dated 12 August 1996

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.



# National Standards Commission

TECHNICAL SCHEDULE No 5/6S/6

**Pattern:** TechnoBar Model T6 Remote-storage Liquor Dispenser.

**Submittor:** Bar Technology Pty Ltd
7 Murphy Street
Chadstone VIC 3148.

## 1. Description of Pattern

A TechnoBar model T6 remote-storage liquor dispenser approved to deliver brandy (including cognac and armagnac), gin, rum, vodka or whisky (whiskey).

Instruments may also be known as Liq-A-Tronic model T6.

### 1.1 The System (Figure 1)

The instrument incorporates 6 identical dispensing units mounted in a tower (Figures 1 and 2), with each dispensing unit capable of being set to deliver quantities of 15 or 30 mL.

Each dispensing unit consists of:

- a lever-operated-switch dispensing head (Figure 2) incorporating an outlet solenoid valve;
- a pressurised piston-displacement type metering pump (Figure 3) incorporating a double-acting piston, 2 proximity switches and 4 solenoid-operated valves (2 inlet and 2 outlet);
- an air trap unit fitted with a liquid-level float switch which will prevent a delivery being started if the liquid falls below a critical level (Figure 4); and
- a bulk liquor supply tank, pressurised from a gas supply which maintains a pressure of between 300 kPa and 350 kPa.

The various components are grouped as shown in Figure 1, e.g. the metering pumps are in one (sealable) metering box, and the air trap units are in one assembly which includes a float switch connection box (Figure 4).

### 1.2 Operation

A full quantity of liquor is measured when the lever-operated switch is pressed. A delivery once started cannot be stopped by the operator and the lever-operated switch is rendered inoperative throughout this cycle. A further delivery cannot be started until the pump is refilled with liquor.

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At the commencement of the delivery cycle, which is initiated by pressing the operating lever, the solenoid-operated valve in the dispensing head and 2 of the solenoid valves in the metering pump are opened allowing the pressure-driven piston to displace the liquor in the metering pump. Simultaneously, liquor from the pressurised supply tank fills the metering pump, ready for the next delivery.

The stroke (displacement) of the piston determines the size of the pour and is controlled by the 2 proximity switches.

### 1.3 Markings

(a) Instruments are marked with the following, together in a prominent position:

Manufacturer's name or mark
Serial number of the instrument
NSC approval number NSC No 5/6S/6

(b) In addition each dispensing head is marked with the following information clearly visible to the vendor and purchaser.

The pour size for which it is verified, viz. "15 mL" or "30 mL";
The type of liquor to be dispensed.

Each metering pump is also marked with the above information corresponding to the dispensing head it is supplying.

### 1.4 Sealing and Verification/Certification Provision

The calibration devices of each dispensing unit/metering pump are sealed by placing destructible labels over the pump box cover screws.

Provision is made for a verification/certification mark to be applied.

## 2. Description of Variants

### 2.1 Variant 1

A TechnoBar (or Liq-A-Tronic) model T8 incorporating 8 identical dispensing units.

### 2.2 Variant 2

With a hand-held multi-outlet dispenser (Figure 5); instruments are then known as model K6 or K8.

Hand-held dispensers may be used in conjunction with tower-mounted dispensers.

The indicator for this variant is located in a position clearly visible to the purchaser (Figure 6). The indicator shows the pour size and type of liquor being dispensed, as indicated by the appropriate LED being illuminated or an appropriate message being displayed on the liquid crystal display.

### 2.3 Variant 3

With membrane-type operating switches (Figure 7) instead of the lever-operated switches of the pattern; instruments are then known as models M6 or M8.

## TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests, including for low liquid levels, specified in the Inspector's Handbook.

**Maximum Permissible Errors at Verification/Certification**

The maximum permissible errors applied during a verification/certification test are:

±0.6 mL for deliveries of 15 mL; and
±1.0 mL for deliveries of 30 mL.

### 1. Delivery Completion Test

Whilst a delivery is being made, depress the operating lever a second time; no further delivery should take place until the initial delivery is completed and the lever is released and re-pressed.

### 2. Low-level Cut-out Test

Select a dispensing unit and its associated bulk supply tank, and disconnect the supply from the system.

Dispense deliveries continuously until the low-level cut-out switch in the air trap assembly causes the instrument to stop.

Check that the last delivery made is within the maximum permissible error.

# National Standards Commission

## Notification of Change

## Certificate of Approval No 5/6S/6

## Change No 1

The following changes are made to the approval documentation for the

TechnoBar Model T6 Remote-storage Liquor Dispenser

submitted by Bar Technology Pty Ltd
7 Murphy Street
Chadstone VIC 3148.

A. In Certificate of Approval No 5/6S/6, and its Technical Schedule, both dated 12 August 1996;

1. All references to the submittor should be amended to read:

   Allstates Liquor & Beverage Systems
   8 Ovata Drive
   Tullamarine VIC 3043.

2. All references to “liquor” should be amended to read “spirit”.

B. In Certificate of Approval No 5/6S/6 dated 12 August 1996;

1. The Condition of Approval referring to the review of the approval should be amended to read:

   “This approval becomes subject to review on 1 December 2000, and then every 5 years thereafter.”

2. The Condition of Approval referring to the expiry of the approval should be deleted.

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.

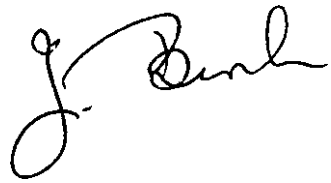
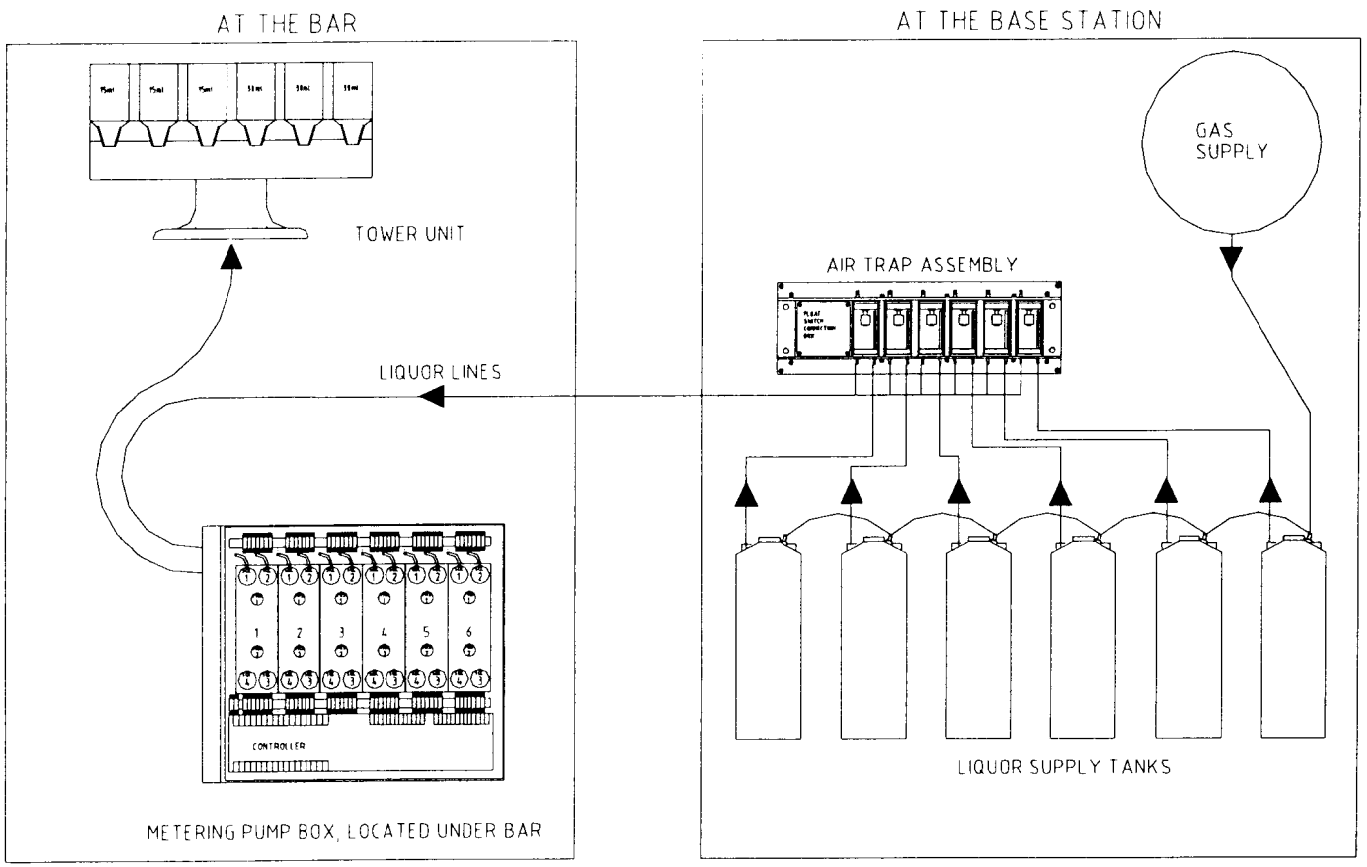
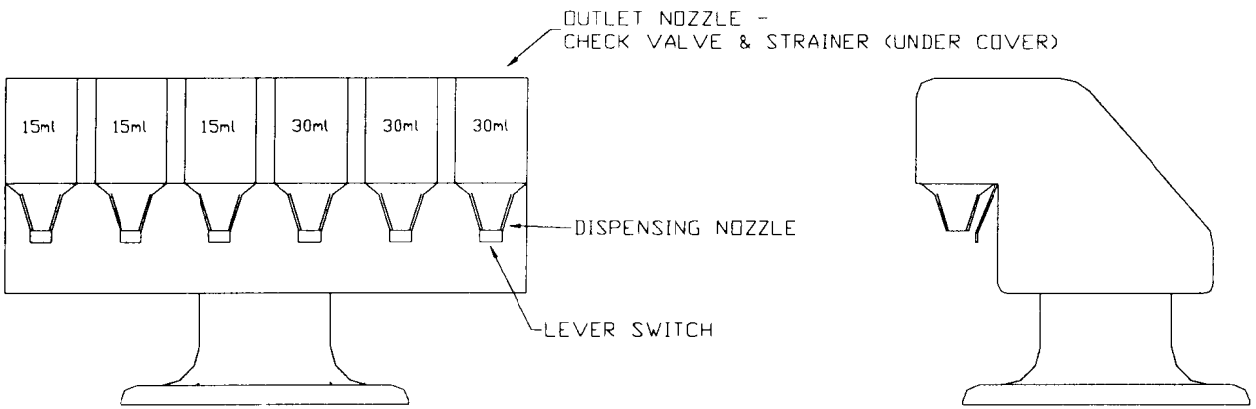


FIGURE 5/6S/6 - 1



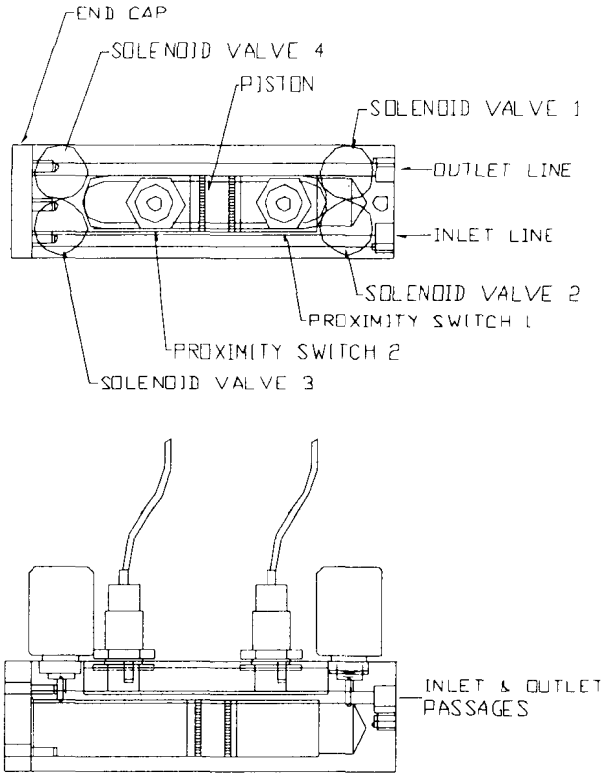

Typical TechnoBar (or Liq-A-Tronic) Liquor Dispensing System

# FIGURE 5/6S/6 - 2



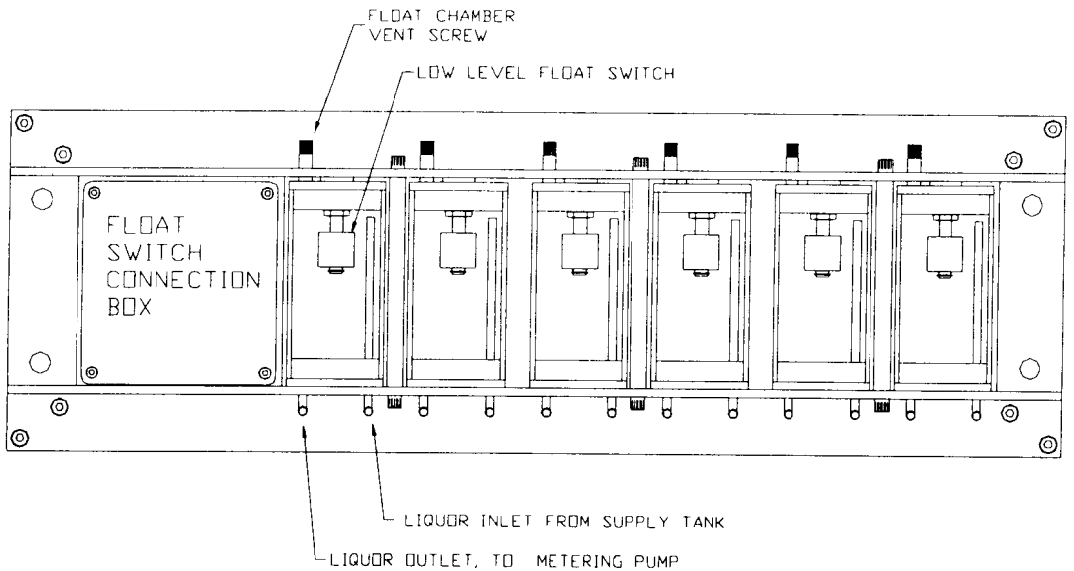

Typical T6 System (The Pattern)

FIGURE 5/6S/6 - 3



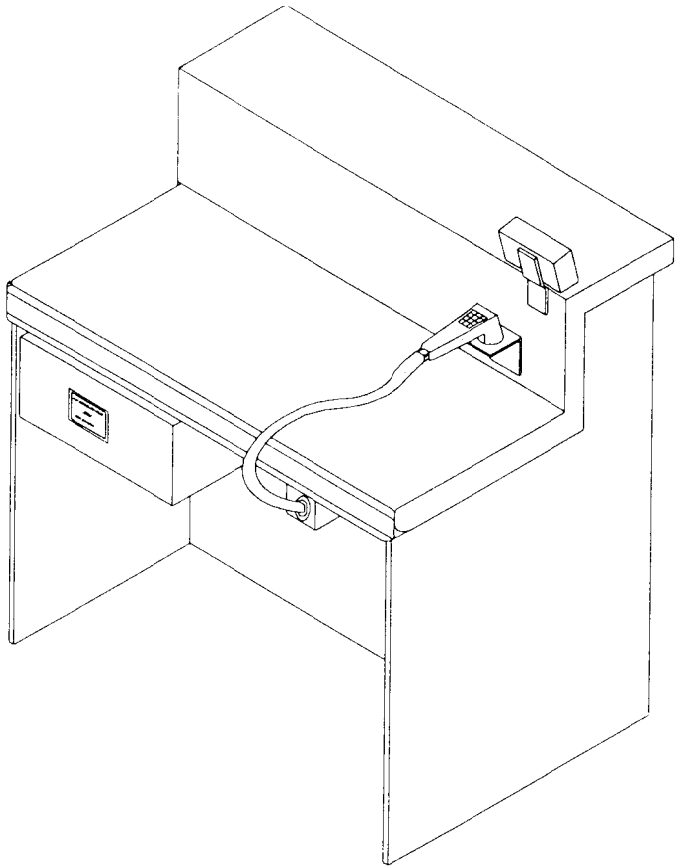

Metering Pump

# FIGURE 5/6S/6 - 4



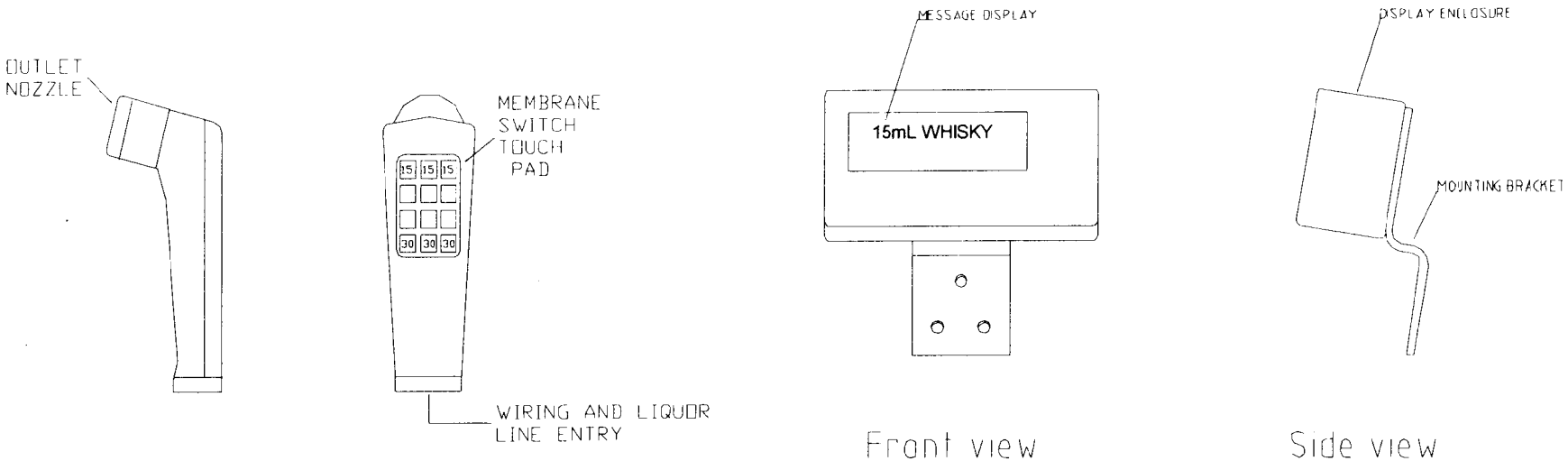

Air Trap Assembly Unit

FIGURE 5/6S/6 - 5



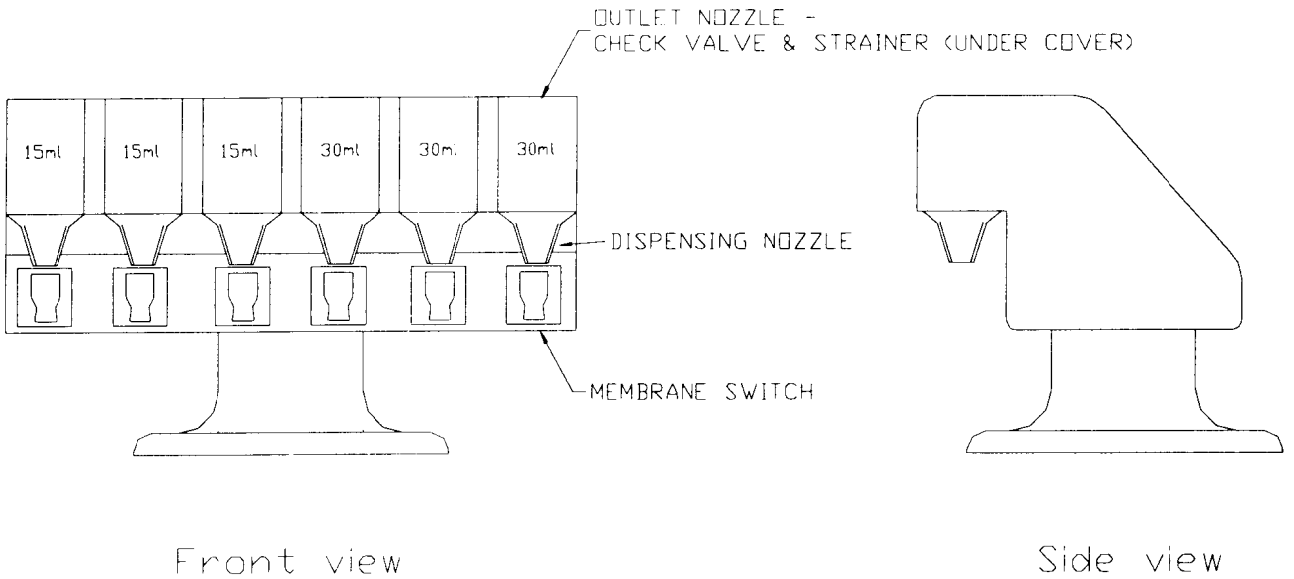
Typical K Series Bar Unit (Variant 2)

FIGURE 5/6S/6 - 6




Typical Hand-held Dispenser and Purchaser Display

FIGURE 5/6S/6 - 7




Typical M6 System (Variant 3)