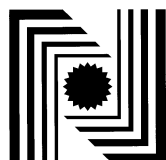
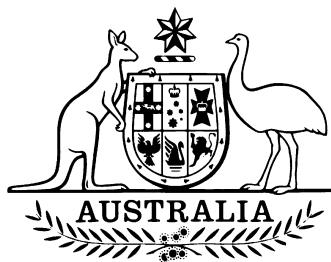


5/6S/9
22 August 2002



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation

Certificate of Approval

No 5/6S/9

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

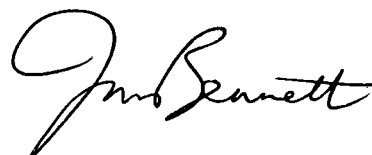
Philmae Model SD1 Remote-storage Spirit Dispenser

formerly submitted by Philmae Pty Ltd

now submitted by EcoLink Pty Ltd
50 Clifton Crescent
Mt Lawley WA 6050

has been cancelled in respect of new instruments as from 1 September 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/9

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

Philmae Model SD1 Remote-storage Spirit Dispenser

submitted by Philmae Pty Ltd
3 Britannia Way
Craigie WA 6025.

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 becomes subject to review on 1 August 2003, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 5/6S/9 and only by persons authorised by the submittor.

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.

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

DESCRIPTIVE ADVICE

Pattern: approved 20 July 1998

- A Philmae model SD1 remote-storage spirit dispenser.

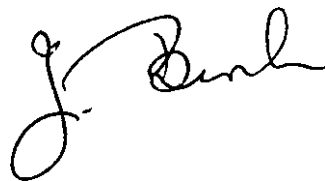
Technical Schedule No 5/6S/9 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 5/6S/9 dated 20 November 1998
Technical Schedule No 5/6S/9 dated 20 November 1998 (including
Test Procedure)
Figures 1 to 3 dated 20 November 1998

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.

A handwritten signature in black ink, appearing to be 'J. Burt', written in a cursive style.

TECHNICAL SCHEDULE No 5/6S/9

Pattern: Philmae Model SD1 Remote-storage Spirit Dispenser.

Submittor: Philmae Pty Ltd
3 Britannia Way
Craigie WA 6025.

1. Description of Pattern

A Philmae model SD1 remote-storage spirit dispenser (Figure 1) approved to deliver brandy (including cognac and armagnac), gin, rum, vodka or whisky (whiskey) in quantities of 15, 30 and 60 mL.

1.1 The System

The system (Figures 2 and 3) consists of the following:

- A keypad with 8 buttons to select different spirits. The keypad is programmed to deliver 30 mL by default. Other quantities, namely 15 mL and 60 mL, are delivered by the depression of the appropriately marked quantity key followed by a spirit selection button (Figure 1).
- Spirit is fed from a non-pressurised spirit supply (Figures 2 and 3) to the measuring cylinder block by means of a Flowjet model 5000-612 air pressure operated pump. The pump is operated through a regulator at a pressure of approximately 207 kPa. The air pressure to the solenoid-operated air valves is also controlled through an internal pressure regulator at the same pressure. The maximum air pressure to the system should not exceed 690 kPa.
- An electronic indicator located in a position clearly visible to the purchaser (Figure 1). The indicator shows the pour size and the type of spirit being dispensed.

1.2 Operation

A full quantity of spirit is delivered when a button on the keypad is pressed. A delivery once started cannot be stopped by the operator and all buttons are rendered inoperative throughout this cycle. A further delivery cannot be started until the cycle is complete.

At the commencement of the filling cycle, which is initiated by the top, level sensor in the measuring cylinder block, the solenoid-operated liquid valves are opened and spirit from the non-pressurised supply is transferred by the Flowjet pump into the measuring cylinder block.

The measuring cylinder block has three other sensors which determine the pour size. When the required keypad button is pressed a solenoid-operated air valve opens simultaneously with a solenoid-operated liquid valve. The air pressure forces liquid out of the measuring cylinder through the liquid valve to the delivery nozzle. When the liquid level reaches the selected pour size sensor, the valves close. The timing of the closing of the solenoid-operated liquid valves is achieved by a microprocessor situated inside the instrument. The timing is adjusted to set the pour size accurately.

1.3 Markings

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

Manufacturer's mark, or name written in full	Philmae
Serial number of the instrument
Pattern approval mark for the instrument	NSC No 5/6S/9

- (b) In addition the indicator is marked with the following, clearly visible to the purchaser:

Pour size of spirit being dispensed mL
The type of spirit being dispensed

1.4 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

1.5 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of lead-and-wire (or similar) seals through sealing screws to attach the top of the control unit to the control unit casing.

TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the Inspector's Handbook.

Maximum Permissible Error at Verification/Certification

The maximum permissible error applied during a verification/certification test is:

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

1. Multiple Delivery Test

Whilst a delivery is being made, press the selected operating button a second time; a new delivery shall not be possible until the initial delivery is completed.

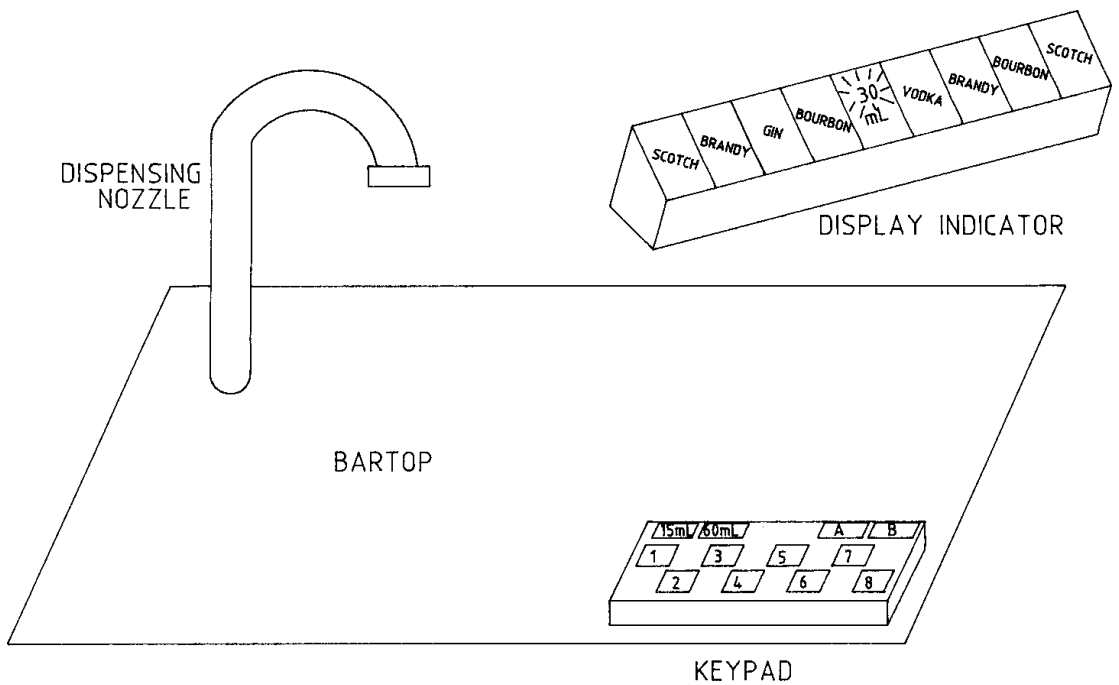
2. Low Level Cut-out Test

Disconnect the supply line to be tested from the system.

Dispense deliveries continuously until the low-level cut-out device (top level sensor) causes the instrument to stop operating.

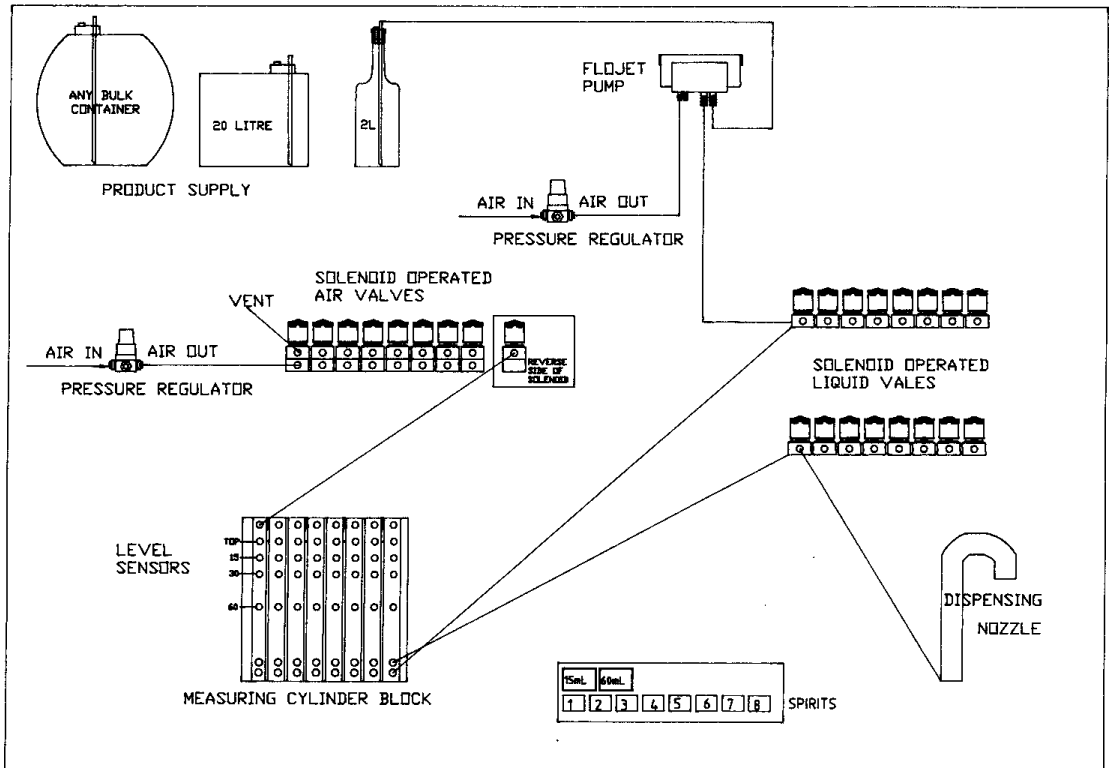
Check that all deliveries made are within the maximum permissible error.

FIGURE 5/6S/9 - 1



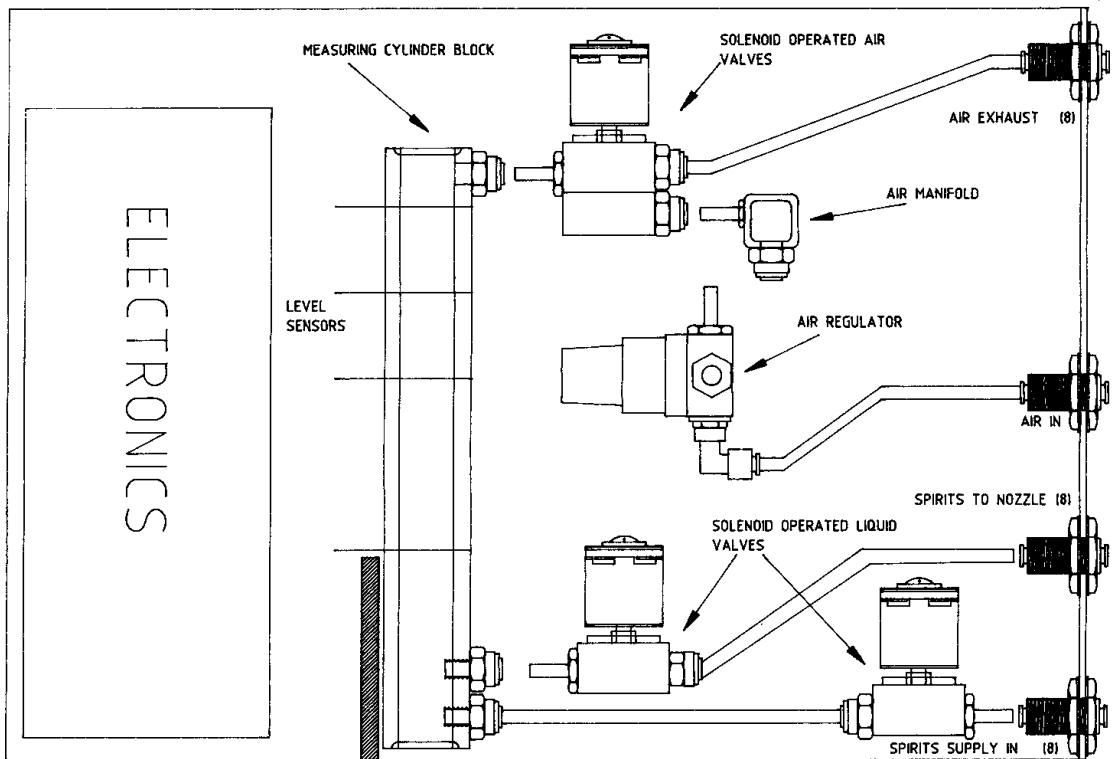
Philmae Model SD1 Remote-storage Spirit Dispenser

FIGURE 5/6S/9 - 2



Philmae Model SD1 Remote-storage Spirit Dispenser

FIGURE 5/6S/9 - 3



Philmae Model SD1 Remote-storage Spirit Dispenser