

NATIONAL STANDARDS COMMISSION

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CERTIFICATE OF APPROVAL No 4/5/8



This is to certify that the patterns of the

Autic Liquor Dispenser

submitted by R. C. Thomas,
26 Tusmore Avenue,
Leabrook, South Australia, 5068.

has been approved under the Weights and Measures (Patterns of Instruments) Regulations as being suitable for use for trade.

Date of approval: 26 August 1975

The patterns are described in Technical Schedule No 4/5/8. A copy of the patterns lodged with the Commission.

This approval is subject to review on or after 1 September 1977.

All instruments conforming to this approval shall be marked with the approval number "NEC No 4/5/8".

Approval is granted on condition that:

1. for a 15-ml measure there is not more than one measurement of less than 14.4 ml or greater than 15.6 ml in a sample of 10 measurements taken from a bottle which is approximately 75% full, and the mean of such 10 measurements is not less than 15 ml; and
2. for a 30-ml measure there is not more than one measurement of less than 29 ml or greater than 31 ml in a sample of 10 measurements taken from a bottle which is approximately 75% full, and the mean of such 10 measurements is not less than 30 ml.

Signed

Executive Officer

20/2/76



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 4/5/8

Pattern: Autic Liquor Dispenser

Submittor: R. C. Thomas,
26 Tusmore Avenue,
Leabrook, South Australia, 5068.

Date of Approval: 26 August 1975

Conditions of Approval:

1. For a 15-ml measure there is not more than one measurement of less than 14,4 ml or greater than 15,6 ml in a sample of 10 measurements taken from a bottle which is approximately 75% full, and the mean of such 10 measurements is not less than 15 ml.
2. For a 30-ml measure there is not more than one measurement of less than 29 ml or greater than 31 ml in a sample of 10 measurements taken from a bottle which is approximately 75% full, and the mean of such 10 measurements is not less than 30 ml.
3. All instruments conforming to this approval shall be marked "NSC No 4/5/8".

Description:

The pattern (see Figure 1) is a lever-operated push-up type bottle dispenser for the measurement of 15 ml of brandy, whisky, vodka, gin or rum. It consists of a measuring chamber and an internal valving arrangement operated by a lever and a timing mechanism allowing a measured quantity of liquid to be dispensed into a container.

Weights and Measures inspectors should note that the measurement of a full quantity of liquid is independent of the operator's control and depends on the internal timing mechanism. A delivery once started cannot be stopped by the operator, and a delivery having been made a further delivery cannot be started until the measuring chamber

has had sufficient time to refill.

The timing mechanism, which is actuated by the operator raising the lever, opens the outlet valve for more than 3 seconds and then prevents a second delivery commencing for at least a further 4 seconds. The measuring chamber takes less than 2 seconds to empty and less than 3 seconds to refill.

A removable slide valve between the measure and the bottle allows bottles to be replaced without removing the measure from its mount. A counter may be fitted.

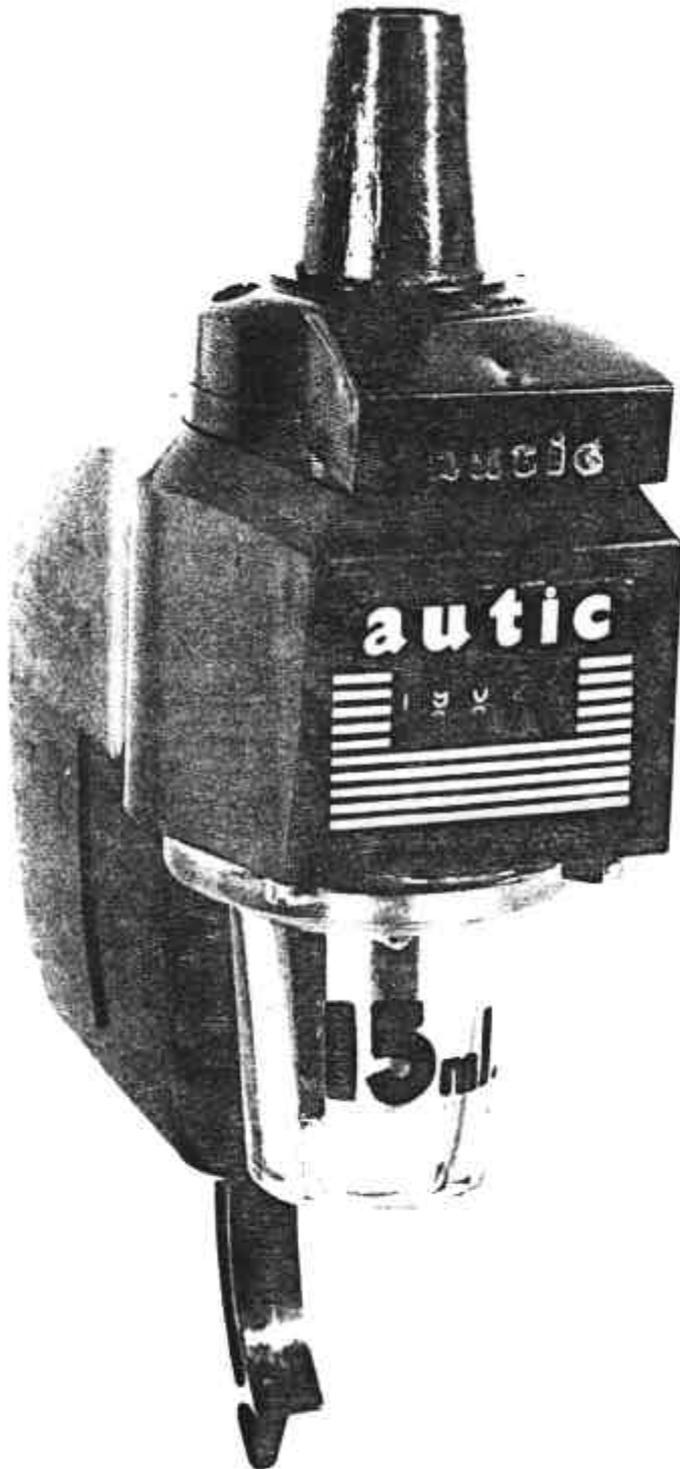
The instrument measuring chamber is clearly and permanently marked "15 ml". The instrument has provision for a Weights and Measures seal to be affixed.

The approval includes the measure being 30 ml (see Figure 2); in this case the measuring chamber is clearly and permanently marked "30 ml".

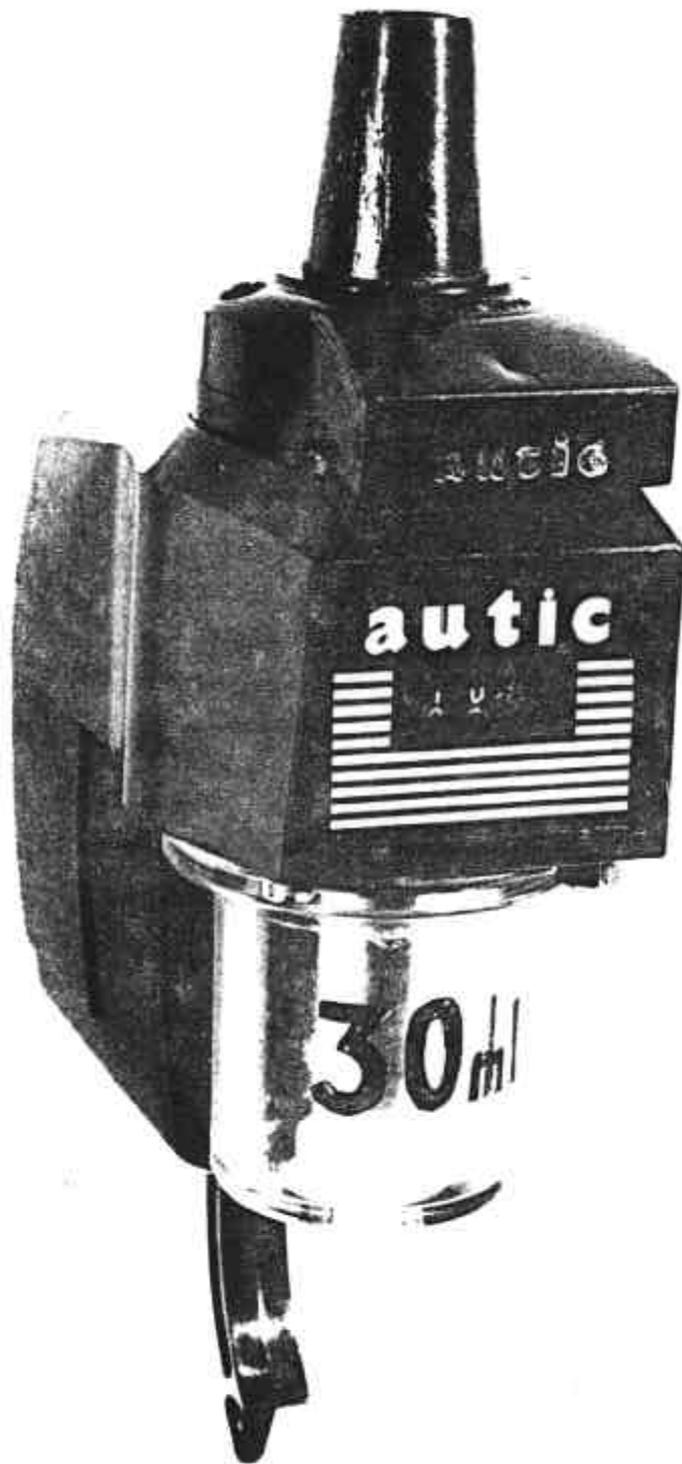
Special Tests:

The instrument would be adequately tested if 10 deliveries are made from a bottle not less than $\frac{3}{4}$ full at the beginning of the test and the resultant total delivery is not less than 150 ml in the case of the 15-ml measure and 300 ml in the case of the 30-ml measure.

If water is used for testing this measure and the measuring bowl fails to drain completely, it will be necessary to add approximately one part alcohol to 3 parts water to reduce the surface tension of the test liquid. Methylated spirits can be used as the source of alcohol.



Autic 15-ml Liquor Dispenser



Autic 30-ml Liquor Dispenser