

National Standards Commission



Certificate of Approval

No 8/53

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

Alfa Laval Model EC-1000 Milk Tank

submitted by Alfa Laval Agri Pty Ltd
60 Keon Parade
Keon Park VIC 3073.

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 1/11/98.
This approval expires in respect of new instruments on 1/11/99.

Instruments purporting to comply with this approval shall be marked NSC No 8/53 and only by persons authorised by the submittor.

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

It is the submitter'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 4/10/93

- An Alfa Laval model EC-1000 horizontal milk tank of 3820 L capacity incorporating a dipstick for the measurement of the volume.

Variant: approved 4/10/93

1. In other capacities as listed in Table 1.

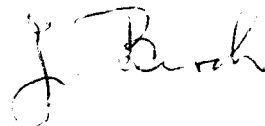
Technical Schedule No 8/53 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 8/53 dated 22/11/93
Technical Schedule No 8/53 dated 22/11/93 (incl. Table 1 and Test
Procedure)
Figure 1 dated 22/11/93

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 8/53

Pattern: Alfa Laval Model EC-1000 Milk Tank.

Submittor: Alfa Laval Agri Pty Ltd
60 Keon Parade
Keon Park VIC 3073.

1. Description of Pattern

An Alfa Laval model EC-1000 horizontal milk tank of 3820 L capacity (Figure 1 and Table 1) incorporating a dipstick for the measurement of the volume.

1.1 Details

- (i) The tank is a horizontal stainless steel cylinder sheathed in an outer casing of stainless steel; the cavity between is filled with insulating material.
- (ii) Levelling is effected by means of 4 adjustable legs with reference to the datum level marks permanently marked on the tank. The liquid level at the widest cross-section of the tank corresponds with the level mark engraved on the rear of the dipstick. Each leg has provision for fixing and sealing the leg to the floor, after levelling.
- (iii) A top-mounted access hole is provided at the outlet end of the tank and incorporates a dipstick socket.
- (iv) The dipstick is graduated in 10 L increments. The arrangement of the scale marks shall be in accordance with the Commission's Document 105, *Graduation of Analogue Scales*.

1.2 Verification/Certification Provision

Provision is made for verification/certification marks to be applied to both the tank and to the dipstick.

1.3 Markings

The following data is marked on a nameplate permanently attached to the instrument in a clearly visible location:

Manufacturer's name or mark
Model number
Serial number
NSC approval number NSC No 8/53
Maximum capacity L

The dipstick is marked with the following data:

Manufacturer's name or mark
Serial number corresponding to serial number of the tank
Datum level
Scale interval L

2. Description of Variant 1

Other models in other capacities with up to 12 legs, as listed in Table 1.

TABLE 1

Model Number	Maximum Capacity (litres)	Number of legs	Minimum Graduation Size (litres)
EC-600	2 340	4	5
EC-800	3 060	4	10
EC-1000	3 820	4	10
EC-1250	4 800	4	10
EC-1500	5 760	4	20
EC-2000	7 680	6	20
EC-2500	9 640	6	20
EC-3000	11 600	8	50
EC-4000	15 200	8	50
EC-5000	18 950	10	50
EC-6000	22 700	10	50
EC-6500	24 600	10	50
EC-7000	26 450	12	50
EC-8000	32 250	12	50

Approved Models and Capacities

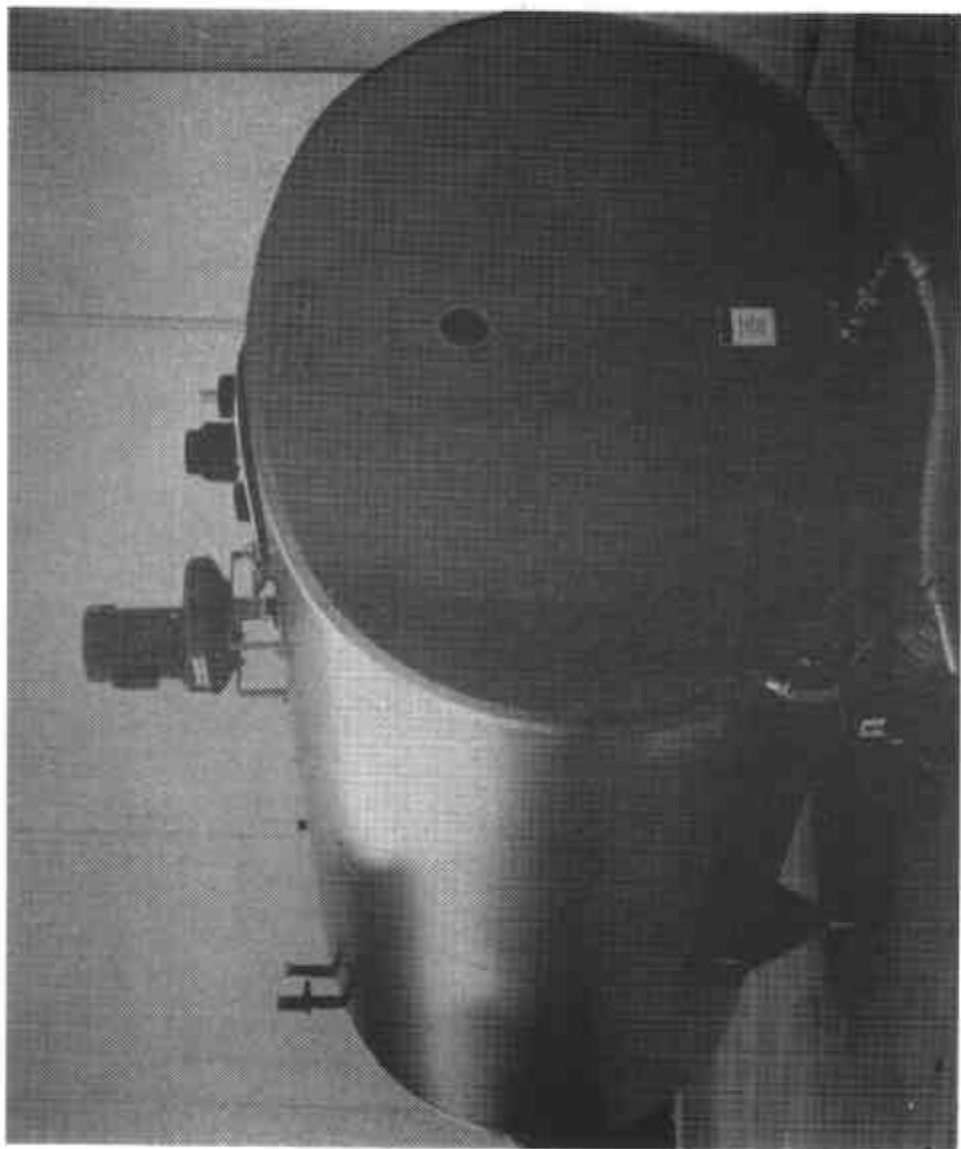
TEST PROCEDURE

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

Maximum Permissible Error at Verification/Certification

The maximum permissible error for all scale marks on the dipstick is ± 1 scale interval.

FIGURE 8/53 - 1



Alfa Laval Model EC-1000 Milk Tank