



Australian Government

**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Cancellation
Certificate of Approval No 8/60A

Issued by the Chief Metrologist 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

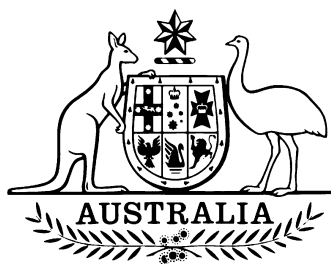
Mueller Model OE 2000 Milk Tank

submitted by Paul Mueller Company
1600 W. Phelps
Springfield MO 65801-0828
USA

has been cancelled in respect of new instruments as from 1 September 2006.

Signed by a person authorised by the Chief Metrologist
to exercise his powers under Regulation 60 of the
National Measurement Regulations 1999.

A handwritten signature in black ink, appearing to be 'J. G. T.', written in a cursive style.



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Certificate of Approval

No 8/60A

Issued under Regulation 63
of the
National Measurement Regulations 1999

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

Mueller Model OE 2000 Milk Tank

submitted by Paul Mueller Company
1600 W. Phelps
Springfield MO 65801-0828
USA.

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.

This Certificate is issued upon completion of a review of NSC approval No 8/60.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 June 2005, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 8/60A and only by persons authorised by the submitter.

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.

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

DESCRIPTIVE ADVICE

Pattern: approved 26 May 2000

- A Mueller model OE 2000 horizontal cylindrical refrigerated milk tank of 7880 L capacity.

Variants: approved 26 May 2000

1. Other models and capacities as listed in Table 1.

Technical Schedule No 8/60A describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 8/60A dated 8 August 2000

Technical Schedule No 8/60A dated 8 August 2000 (incl. Table 1 and Test Procedure)

Figure 1 dated 8 August 2000

Signed by a person authorised under Regulation 63 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.



TECHNICAL SCHEDULE No 8/60A

Pattern: Mueller Model OE 2000 Milk Tank

Submittor: Paul Mueller Company
1600 W. Phelps
Springfield MO 65801-0828
USA.

1. Description of Pattern

A Mueller model OE 2000 horizontal cylindrical refrigerated milk tank of 7880 L capacity (Figure 1 and Table 1) incorporating a sight-gauge 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. The bottom of the tank slopes towards the outlet valve.
- (ii) A milk-sampling valve is fitted to the tank.
- (iii) A sight-gauge mounted in a vertical position is located in the vicinity of the outlet valve and comprises a sight-tube fitted in a rigid stainless steel support channel fixed to the side of the tank adjacent to a stainless steel scale. The scale has provision for a lead seal to be attached to the scale mounting assembly. The sight-tube is made of plastic or glass.

The scale is graduated in 20 L increments. When required, a ladder is provided adjacent to the sight-gauge to allow reading of the scale.

Provision is made for a CIP (clean-in-place) system for both the tank and the sight-gauge.

- (iv) Levelling is effected by means of 8 adjustable legs with reference to the datum level marks permanently marked on the tank. The volume represented by the datum level marks is marked on the sight-gauge scale. Each leg has provision for fixing the leg to the floor, and provision for sealing, after levelling.
- (v) Access for inspection is provided.

1.2 Verification/Certification Provision

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

1.3 Sealing Provision

Provision is made for the adjustable legs to be sealed after the tank has been levelled. Refer clause 1.1 (iv).

1.4 Markings

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

Manufacturer's mark, or name written in full	Mueller
Model number
Serial number
Pattern approval mark in the form:	NSC No 8/60A
Maximum capacity in the form L

2. Description of Variant 1

Other models and capacities as listed in Table 1.

TABLE 1

Model Number	Maximum Capacity	Number of Legs	Scale Interval
OE 2000	7 880 L	8	20 L
OE 2700	10 500 L	8	50 L
OE 3000	12 000 L	10	50 L
OE 4000	15 700 L	12	50 L
OE 5000	19 200 L	12	50 L

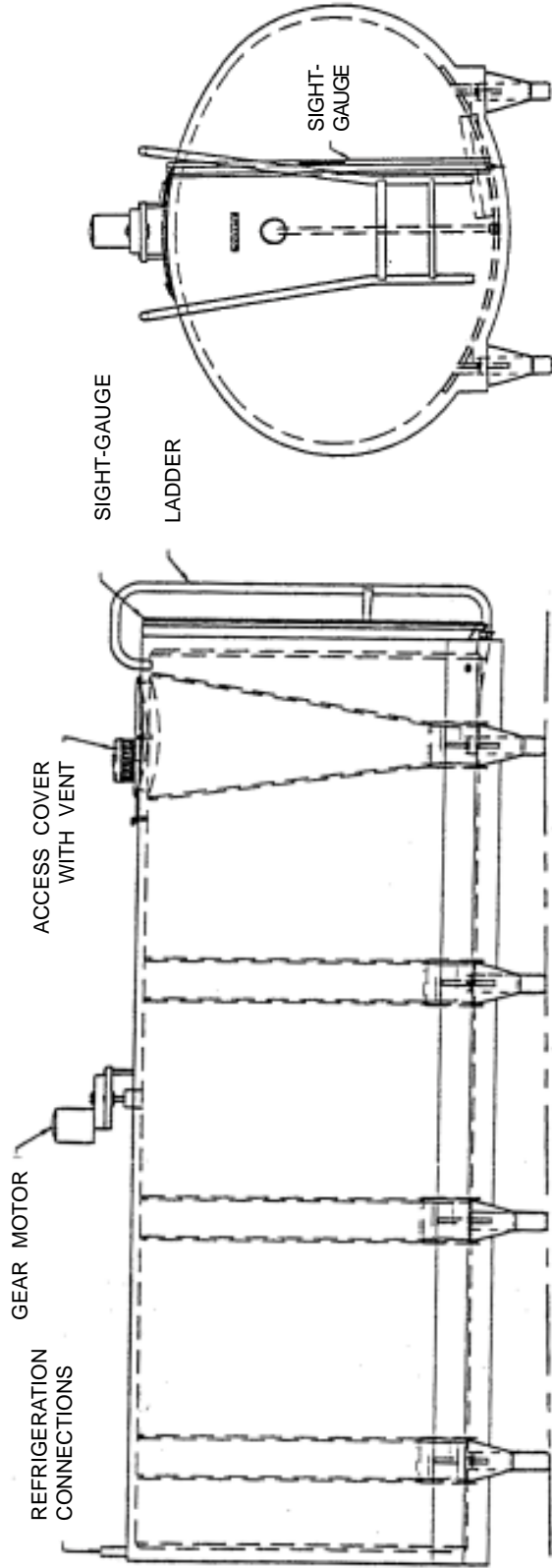
TEST PROCEDURE

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 for milk tanks incorporating a sight-gauge is ± 1 scale interval.

FIGURE 8/60A - 1



Mueller Model OE 2000 Milk Tank