

National Standards Commission



Certificate of Approval

No 8/60

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

Mueller Model OE 2000 Milk Tank

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

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1 August 1999.
This approval expires in respect of new instruments on 1 August 2000.

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

It is the submitter's responsibility to ensure that all instruments marked with this approval number 1994 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 1 July 1994

- A Mueller model OE 2000 horizontal milk tank of 7880 L capacity incorporating a sight-gauge for the measurement of the volume.

Variant: approved 1 July 1994

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

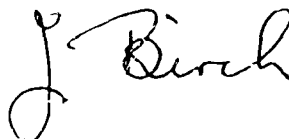
Technical Schedule No 8/60 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 8/60 dated 30 September 1994
Technical Schedule No 8/60 dated 30 September 1994 (incl. Table 1 and
Test Procedure)
Figure 1 dated 30 September 1994

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 8/60

Pattern: Mueller Model OE 2000 Milk Tank.

Submitter: Paul Mueller Company
1600 W. Phelps
Springfield MO 65801
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.

A milk-sampling valve is fitted to the tank.

- (ii) A single sight-gauge mounted in a vertical position is located in the vicinity of the outlet valve (Figure 1) and comprises a transparent 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 or a lead and wire seal to be attached to the scale mounting assembly. The sight-tube is made of either glass or suitable plastic.

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.

- (iii) Levelling is effected by means of 8 adjustable legs with reference to the datum level marks permanently marked on the tank.

Each leg has provision for fixing the leg to the floor, and provision for a suitable seal to be attached, after levelling. Alternatively, a Roman level device may be permanently fixed to the tank, for indicating the reference position of the tank, in which case fixing the legs to the floor is not required.

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

- (v) Access for inspection is provided.

1.2 Markings

The following 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 8/60
Maximum capacity L

1.3 Verification/Certification Provision

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

2. Description of Variant 1

Other models and capacities as listed in Table 1.

TABLE 1

Model Number	Maximum Capacity (litres)	Number of legs	Maximum Scale Interval (litres)
OE 2000	7 880	8	20
OE 2700	10 500	8	50
OE 3000	12 000	10	50
OE 4000	15 700	12	50

Approved Models and Capacities

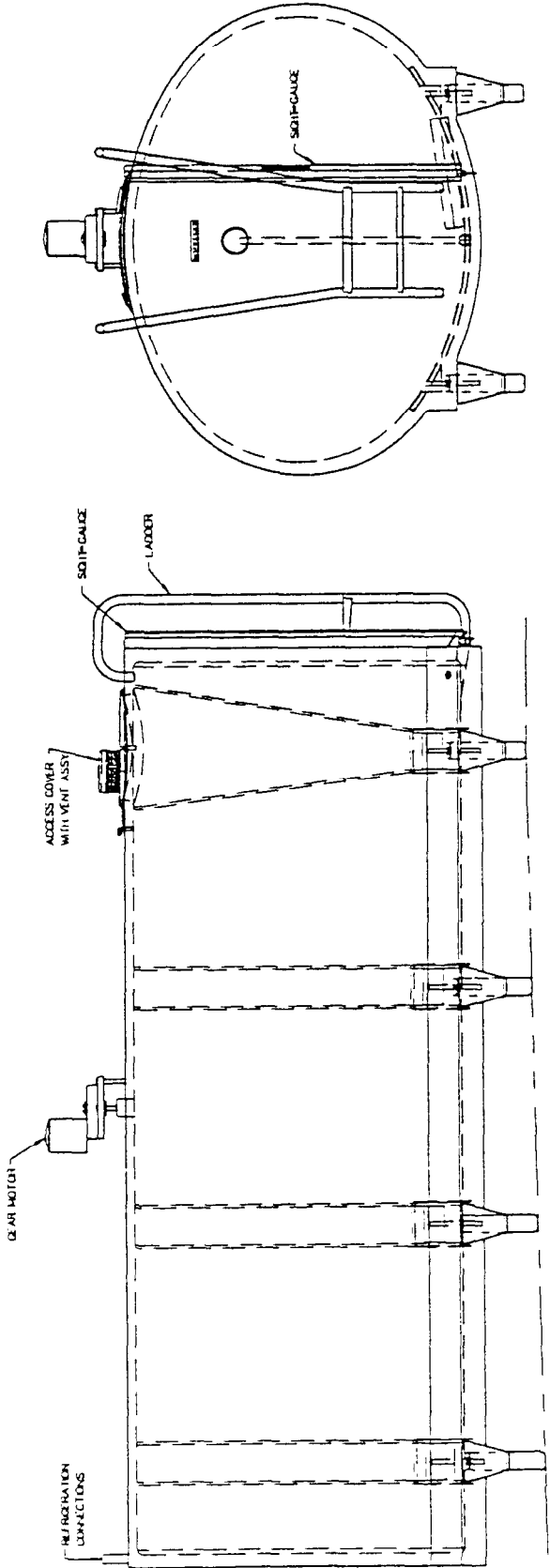
TEST PROCEDURE

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

FIGURE 8/60 - 1



Mueller Model OE 2000 Milk Tank