

# National Standards Commission



## Certificate of Approval

**No 8/59**

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 1600 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 8/59 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 1 July 1994

- A Mueller model OE 1600 horizontal milk tank of 6040 L capacity incorporating a dipstick for the measurement of the volume.

**Variant:** approved 1 July 1994

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


Technical Schedule No 8/59 describes the pattern and variant 1.

#### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 8/59 dated 30 September 1994  
Technical Schedule No 8/59 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 8/59

**Pattern:** Mueller Model OE 1600 Milk Tank.

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

### 1. Description of Pattern

A Mueller model OE 1600 horizontal cylindrical milk tank of 6040 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 6 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.

- (iii) Access for inspection is provided.
- (iv) The dipstick is graduated in 20 L increments. The arrangement of the scale marks shall be in accordance with the Commission's Document 105, *Graduation of Analogue Scales*.

#### 1.2 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 8/59
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

### 1.3 Verification/Certification Provision

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

## 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 600	2400	4	5
OE 800	3060	4	10
OE 1000	3970	6	10
OE 1350	5120	6	20
OE 1600	6040	6	20

Approved Models and Capacities

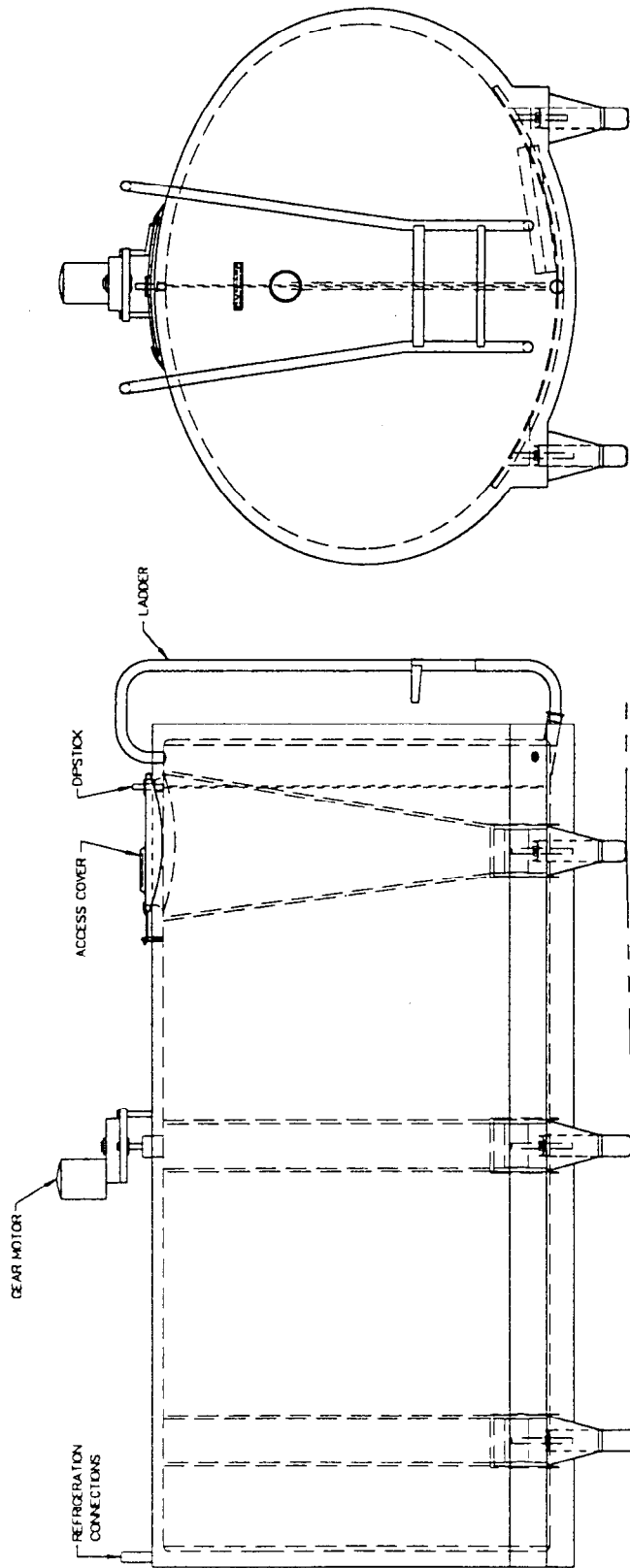
## TEST PROCEDURE

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 a dipstick is  $\pm 1$  scale interval.

FIGURE 8/59 - 1



Mueller Model OE 1600 Milk Tank