



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 8/92

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

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

Mueller Model OH(F) 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 approval has been granted with reference to document NMI M 4, *Pattern Approval Specifications for Milk Tanks*, dated February 2006.

This approval becomes subject to review on 1/08/20, and then every 5 years thereafter.

DOCUMENT HISTORY

| Rev | Reason/Details | Date |
|------------|---|-------------|
| 0 | Pattern & variant 1 approved – certificate issued | 13/07/15 |
| | | |

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 8/92' 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 National Measurement Institute (NMI) 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 document NMI P 106.

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

A handwritten signature in black ink, appearing to read 'A Rawlinson', with a horizontal line underneath.

Dr A Rawlinson

1. Description of Pattern

approved on 13/07/15

A Mueller model OH(F) 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 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 scale is graduated in 20 L increments. When required, a ladder is provided adjacent to the sight-gauge to allow reading of the scale.

A valve located at the bottom of the sight-gauge allows milk to enter the sight-tube and be isolated from the tank contents. A separate valve allows the sight-tube to be drained without draining the contents of the tank.

- (iii) 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.

- (iv) Access for inspection is provided.
- (v) Provision is made for a CIP (clean-in-place) system for both the tank and the sight-gauge.
- (vi) A milk sampling valve may be fitted to the tank.

1.2 Verification Provision

Provision is made for a verification mark to be applied.

1.3 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 number in the form: | NMI No 8/92 |
| Maximum capacity in the form | L |

1.4 Sealing Provision

Provision is made for the adjustable legs to be sealed after the tank has been levelled.

2. Description of Variant 1

approved on 13/07/15

Other models and capacities as listed in Table 1 below.

The pattern, model OH(F) 2000, is shown in **bold**.

TABLE 1– Approved Models and Capacities

| Model Number | Maximum Capacity | Number of Legs | Scale Interval |
|------------------|------------------|----------------|----------------|
| OH(F)2000 | 7 880 L | 8 | 20 L |
| OH(F)2700 | 10 500 L | 8 | 50 L |
| OH(F)3000 | 12 000 L | 10 | 50 L |
| OH(F)4000 | 15 700 L | 12 | 50 L |
| OH(F)5000 | 19 200 L | 12 | 50 L |
| OH(F)6700 | 26 600 L | 12 | 50 L |

TEST PROCEDURE

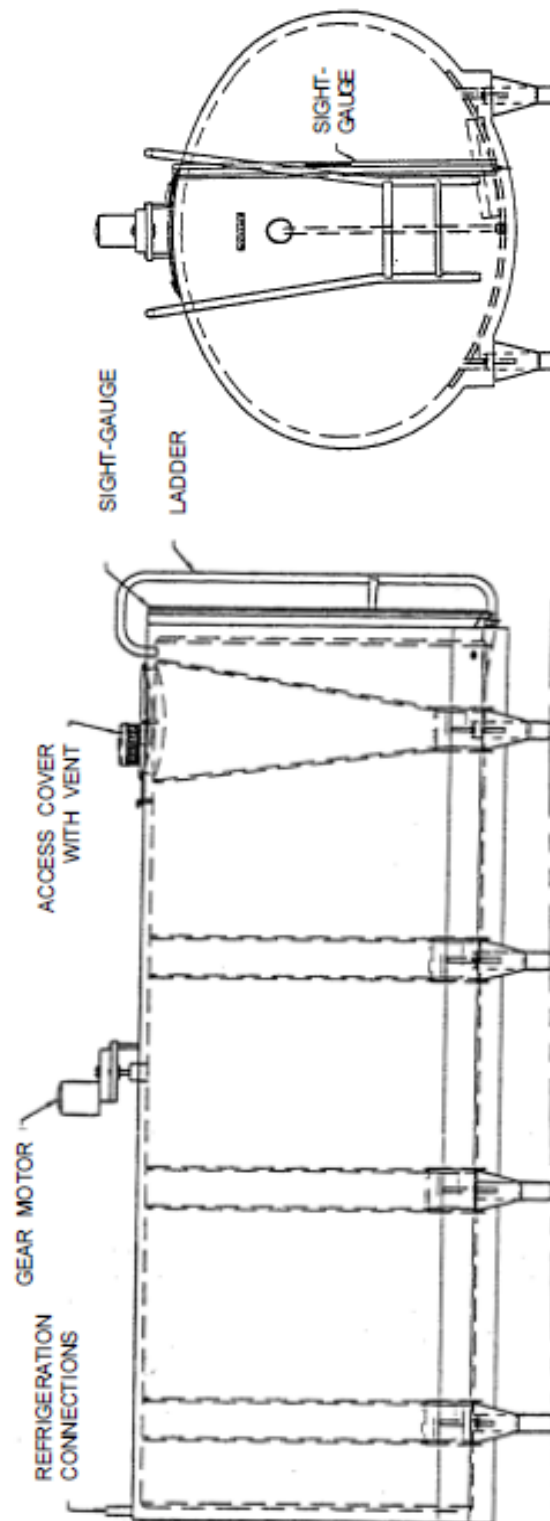
Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

The instrument shall not be adjusted to anything other than as close as practical to zero error, even when these values are within the maximum permissible errors.

Maximum Permissible Errors

The maximum permissible errors are specified in the *National Trade Measurement Regulations 2009*.

FIGURE 8/92 – 1



Mueller Model OH(F) 2000 Milk Tank (Pattern)

~ End of Document ~