



**Australian Government**  
**National Measurement  
Institute**

Bradfield Road, West Lindfield NSW 2070

**Cancellation**  
**Certificate of Approval No 8/49A**

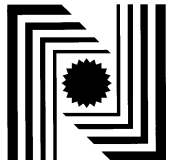
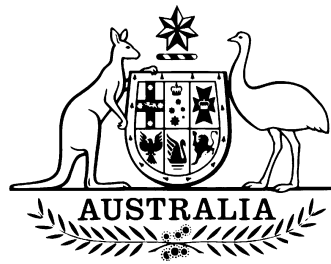
Issued by the Chief Metrologist under Regulation 60  
of the  
*National Measurement Regulations 1999*

This is to certify that the approval for use for trade granted in respect of the  
Specialist Stainless Steel Engineering Model 105 Milk Tank  
submitted by Specialist Stainless Steel Engineering  
Mobil Road  
Bell Bay TAS 7253

has been cancelled in respect of new instruments as from 1 July 2007.

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 8/49A**

Issued 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

Specialist Stainless Engineering Model 105 Milk Tank

submitted by Specialist Stainless Engineering  
Mobil Road  
Bell Bay TAS 7253.

**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 8/49.

### CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 February 2006, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 8/49A 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 NSC P106.

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

### DESCRIPTIVE ADVICE

**Pattern:** approved 30 January 2001

- A Specialist Stainless Engineering model 105 vertical cylindrical milk tank of 10 500 L capacity.

**Variant:** approved 30 January 2001

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

Technical Schedule No 8/49A describes the pattern and variant 1.

### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 8/49A dated 23 August 2001

Technical Schedule No 8/49A dated 23 August 2001 (incl. Table 1 and Test Procedure)

Figure 1 dated 23 August 2001

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.



## TECHNICAL SCHEDULE No 8/49A

**Pattern:** Specialist Stainless Engineering Model 105 Milk Tank.

**Submittor:** Specialist Stainless Engineering  
Mobil Road  
Bell Bay TAS 7253.

### 1. Description of Pattern

A Specialist Stainless Engineering model 105 vertical cylindrical milk tank of 10 500 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 vertical stainless steel cylinder sheathed in an outer casing of stainless steel; the cavity between is filled with insulating material.
- (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 tube fixed to the side of the tank adjacent to a stainless steel scale.

The scale is graduated in 50 L increments.

- (iii) Levelling is effected by means of 4 adjustable legs with reference to the three permanently fixed datum level marks spaced equally around the tank circumference. One level mark is adjacent to the scale. In addition, the volume represented by the datum level marks shall be marked on the nameplate.

Each leg has provision for fixing the leg to the floor, and provision for a lead and wire seal to be attached, after levelling. The tank also has a central support leg.

- (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 in the vicinity of the outlet valve. A milk-sampling valve is fitted to the tank.

#### 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	Specialist Stainless Engineering
Model number	.....
Serial number	.....
Pattern approval mark in the form:	NSC No 8/49A
Maximum capacity in the form	..... L
Datum level in the form	..... L

## 2. Description of Variant 1

Other models and capacities as listed in Table 1.

TABLE 1

Model Number	Maximum Capacity (litres)	Number of Legs	Scale Interval (litres)
55	5 500	4	20
65	6 500	4	20
75	7 500	4	20
85	8 500	4	20
95	9 500	4	20
105	10 500	4	50
120	12 000	4	50
140	14 000	4	50
150	15 000	4	50
160	16 000	4	50
170	17 000	4	50
180	18 000	4	50
200	20 000	4	50
250	25 000	4	50
300	30 000	4	50

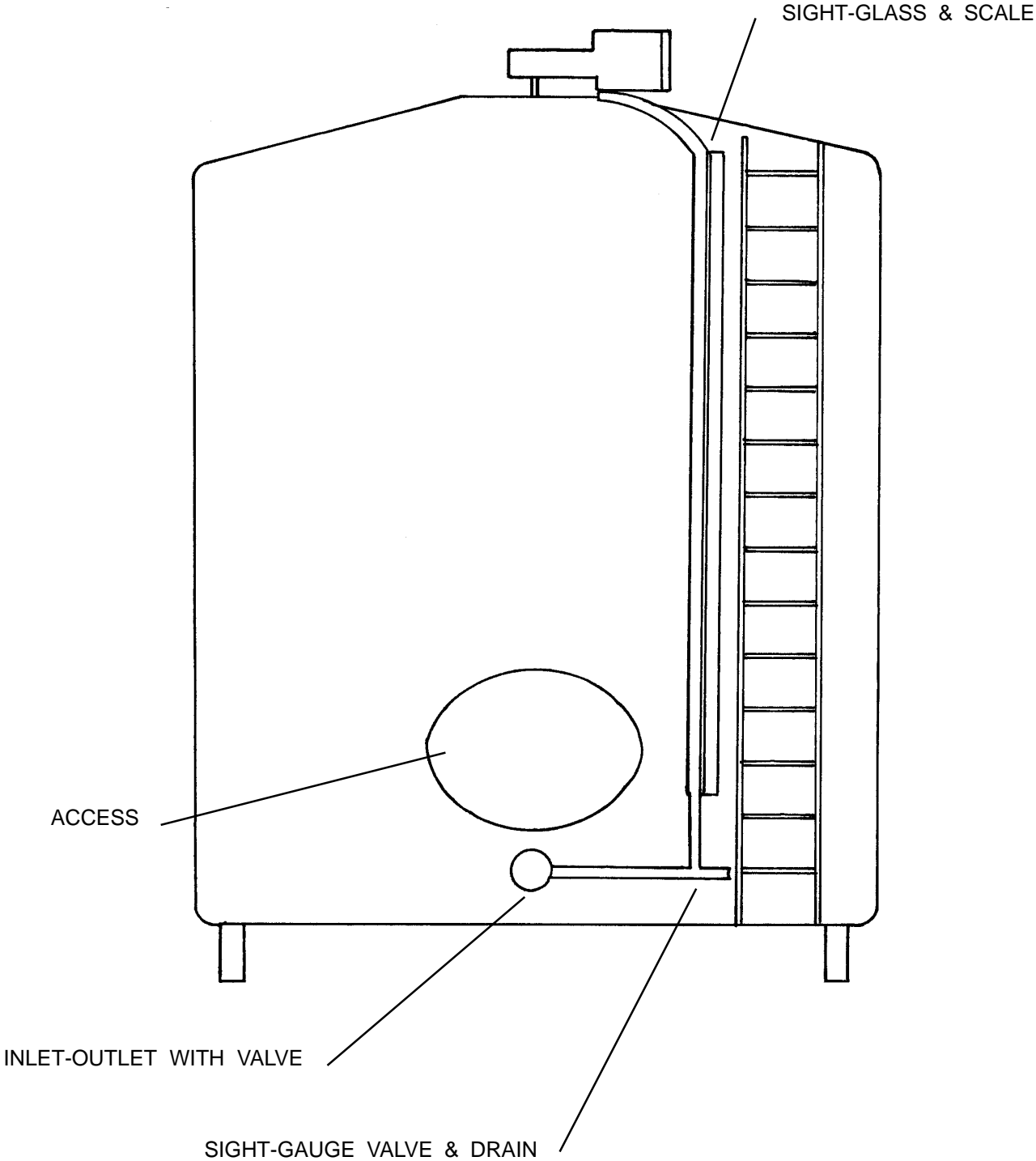
## TEST PROCEDURE

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  $\pm 1$  scale interval.

FIGURE 8/49A - 1



Specialist Stainless Engineering Model 105 Milk Tank