



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

Bradfield Road, West Lindfield NSW 2070

**Cancellation**  
**Certificate of Approval No 8/87**

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

Furphy Model VTL 41000 Milk Tank

submitted by           Belwey Pty Ltd  
                                  T/a Barry Brown & Sons  
                                  227 Princes Highway  
                                  Hallam   VIC   3803

has been cancelled in respect of new instruments as from 1 February 2011.

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, consisting of a series of loops and a long horizontal stroke at the bottom.



# Australian Government

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## National Standards Commission

12 Lyonpark Road, North Ryde NSW 2113 Australia

### Certificate of Approval

**No 8/87**

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

Furphy Model VTL 41000 Milk Tank

submitted by Belwey Pty Ltd  
T/a Barry Brown & Sons  
227 Princes Highway  
Hallam VIC 3803.

**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 becomes subject to review on 1 April 2008, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 8/87 and only by persons authorised by the submittor.

It is the submittor'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 P 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 4 March 2004

- A Furphy model VTL 41000 vertical cylindrical refrigerated milk tank of 41 000 L capacity incorporating a sight-gauge for the measurement of the volume.

**Variant:** approved 4 March 2004

1. Certain other models and capacities as listed in Table 1.

Technical Schedule No 8/74A describes the pattern and variant 1.

### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 8/87 dated 4 May 2004  
Technical Schedule No 8/87 dated 4 May 2004 (incl. Test Procedure)  
Figure 1 dated 4 May 2004

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.

A handwritten signature in black ink, appearing to be 'J. H. T.', located in the bottom right corner of the page.

## TECHNICAL SCHEDULE No 8/87

**Pattern:** Furphy Model VTL 41000 Milk Tank

**Submittor:** Belwey Pty Ltd  
T/a Barry Brown & Sons  
227 Princes Highway  
Hallam VIC 3803

### 1. Description of Pattern

A Furphy model VTL 41000 vertical cylindrical refrigerated milk tank of 41 000 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. The bottom of the tank slopes towards the outlet orifice which is located near the sight-gauge side of the tank. An outlet pipe is permanently fixed to the outlet orifice and has a continuous slope such that the entire contents of the tank drain freely to the outlet valve.

(ii) A single sight-gauge mounted in a vertical position is located in the vicinity of the outlet valve and comprises a transparent polycarbonate sight-tube fitted in a rigid stainless steel support channel fixed to the side of the tank. A stainless steel scale is pop-riveted to the sight-gauge, with the edge of the scale placed against the front centre of the sight-tube.

The scale is graduated in 50 L increments.

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 to the floor, and sealing, after levelling.

(iv) Access for inspection is provided by a side entry opening.

(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/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.

## 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	J Furphy & Sons Pty Ltd
Model number	.....
Serial number	.....
Pattern approval mark	NSC No 8/87
Maximum capacity	..... L

In addition, the volume represented by the datum level marks shall be marked on the on the sight-gauge scale.

## 2. Description of Variant 1

Certain models and capacities as listed in Table 1.

TABLE 1

Model Number	Maximum Capacity (litres)	Number of Legs	Scale Interval
VTL 6300	6 300	4	20
VTL 9000	9 000	6	20
VTL 10000	10 000	6	20
VTL 12500	12 500	6	50
VTL 15000	15 000	6	50
VTL 18000	18 000	8	50
VTL 18500	18 500	6	50
VTL 20000	20 000	8	50
VTL 23500	23 500	8	50
VTL 25500	25 500	8	50
VTL 27500	27 500	8	50
VTL 29500	29 500	8	50
VTL 31500	31 500	8	50
VTL 35000	35 000	8	50
VTL 41000	41 000	8	50

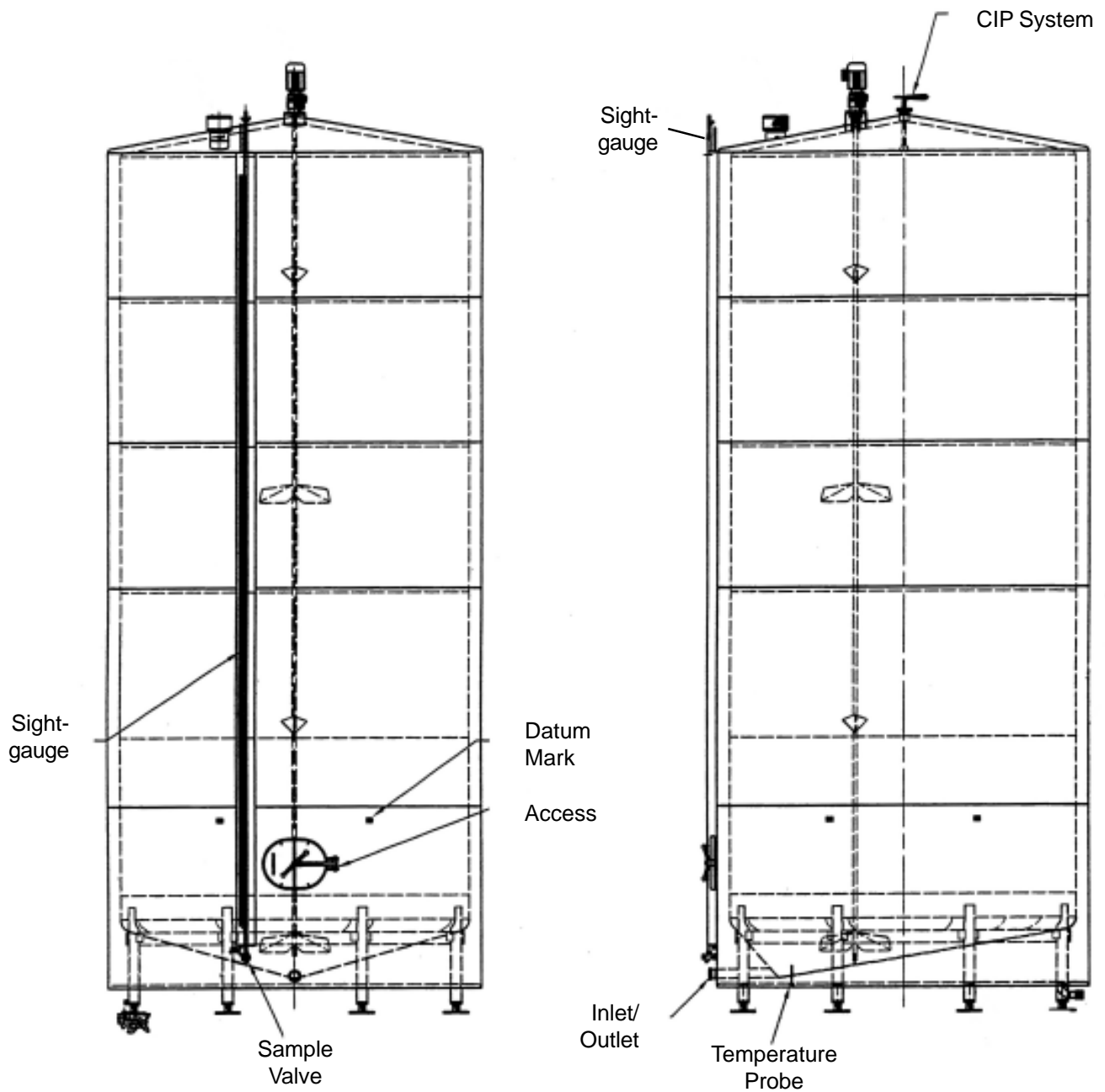
## TEST PROCEDURE

Instruments should be tested in conjunction with any relevant tests in NSC Test Procedure No 6, *Farm Milk Tanks*.

### Maximum Permissible Error at Verification/Certification

The maximum permissible error for milk tanks incorporating a sight-gauge is  $\pm 1$  scale interval.

FIGURE 8/87 – 1



Furphy Model VTL 41000 Milk Tank