



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

**Cancellation
Certificate of
Approval No 8/80**

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

Crown Sheetmetal Model HTL 50 Milk Tank

submitted by Belwey Pty Ltd
227 Princes Highway
Hallam VIC 3801

has been cancelled in respect of new instruments as from 1 February 2005.

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

Certificate of Approval

No 8/80

Issued under Regulation 63
of the
National Measurement Regulations 1999

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

Crown Sheetmetal Model HTL 50 Milk Tank

submitted by Belwey Pty Ltd
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 October 2004, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 8/80 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 106.

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

Special: For Variant 2

This variant is limited to four (4) milk tanks only, having serial numbers 97271, 97273, 97279 and 97319.

DESCRIPTIVE ADVICE

Pattern: approved 2 September 1999

- A Crown Sheetmetal model HTL 50 milk tank of 16 000 L capacity.

Variants: approved 2 September 1999

1. Certain other capacities as listed in Table 1.
2. Of 9 500 L capacity.

Technical Schedule No 8/80 describes the pattern and variants 1 & 2.

FILING ADVICE

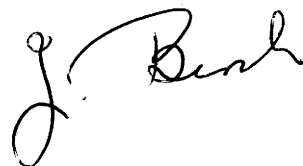
The documentation for this approval comprises:

Certificate of Approval No 8/80 dated 22 December 1999

Technical Schedule No 8/80 dated 22 December 1999 (incl. Table 1 & Test Procedure)

Figures 1 and 2 dated 22 December 1999

Signed and sealed by a person authorised under Regulation 63 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.



TECHNICAL SCHEDULE No 8/80

Pattern: Crown Sheetmetal Model HTL 50 Milk Tank.

Submittor: Belwey Pty Ltd
227 Princes Highway
Hallam VIC 3803.

1. Description of Pattern

A Crown Sheetmetal model HTL 50 horizontal cylindrical refrigerated milk tank of 16 000 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 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.

An optional milk-sampling valve may be fitted to the tank.

- (ii) A sight-gauge mounted in a vertical position is located in the vicinity of the outlet valve and comprises a plastic 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 sight-tube is made of plastic complying with Australian Standard AS 2070 *Plastic materials for food contact use*.

The scale is graduated in 50 L increments.

A valve located at the bottom of the sight-gauge allows the milk in the sight-gauge to be drained without draining the contents of the tank (Figure 2).

- (iii) Levelling is effected by means of 6 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 by a side entry opening

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	Crown Sheetmetal
Model number
Serial number
Pattern approval mark in the form:	NSC No 8/80
Maximum capacity in the form L

2. Description of Variants

2.1 Variant 1

Other capacities as listed in Table 1.

2.2 Variant 2

Model HTL-50 of 9 500 litre maximum capacity with the scale graduated in 20 L increments and fitted with 6 legs.

This variant is limited to 4 tanks only (refer to the Special Condition of Approval).

TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the Inspector's Handbook.

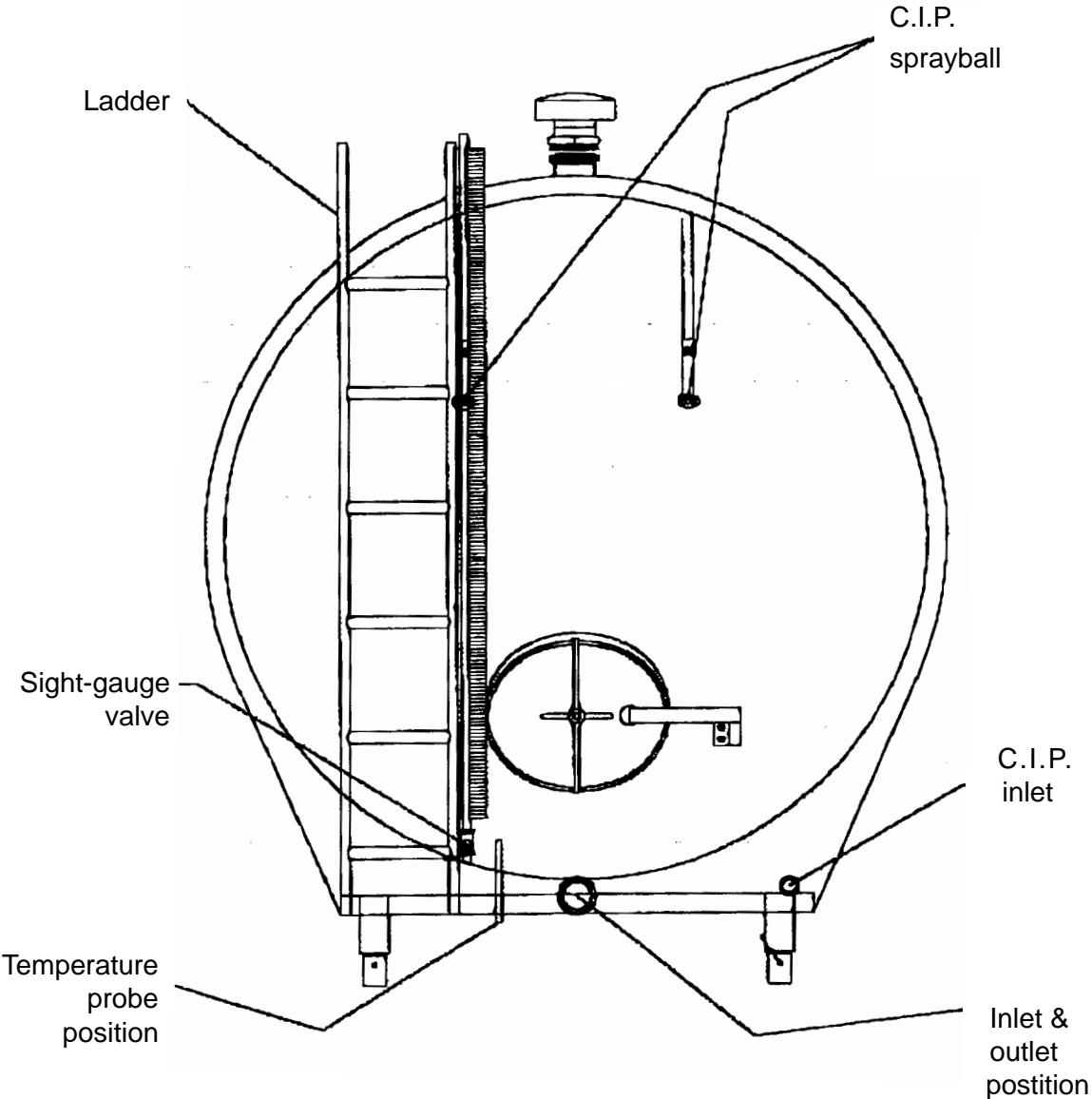
Maximum Permissible Error at Verification/Certification

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

TABLE 1

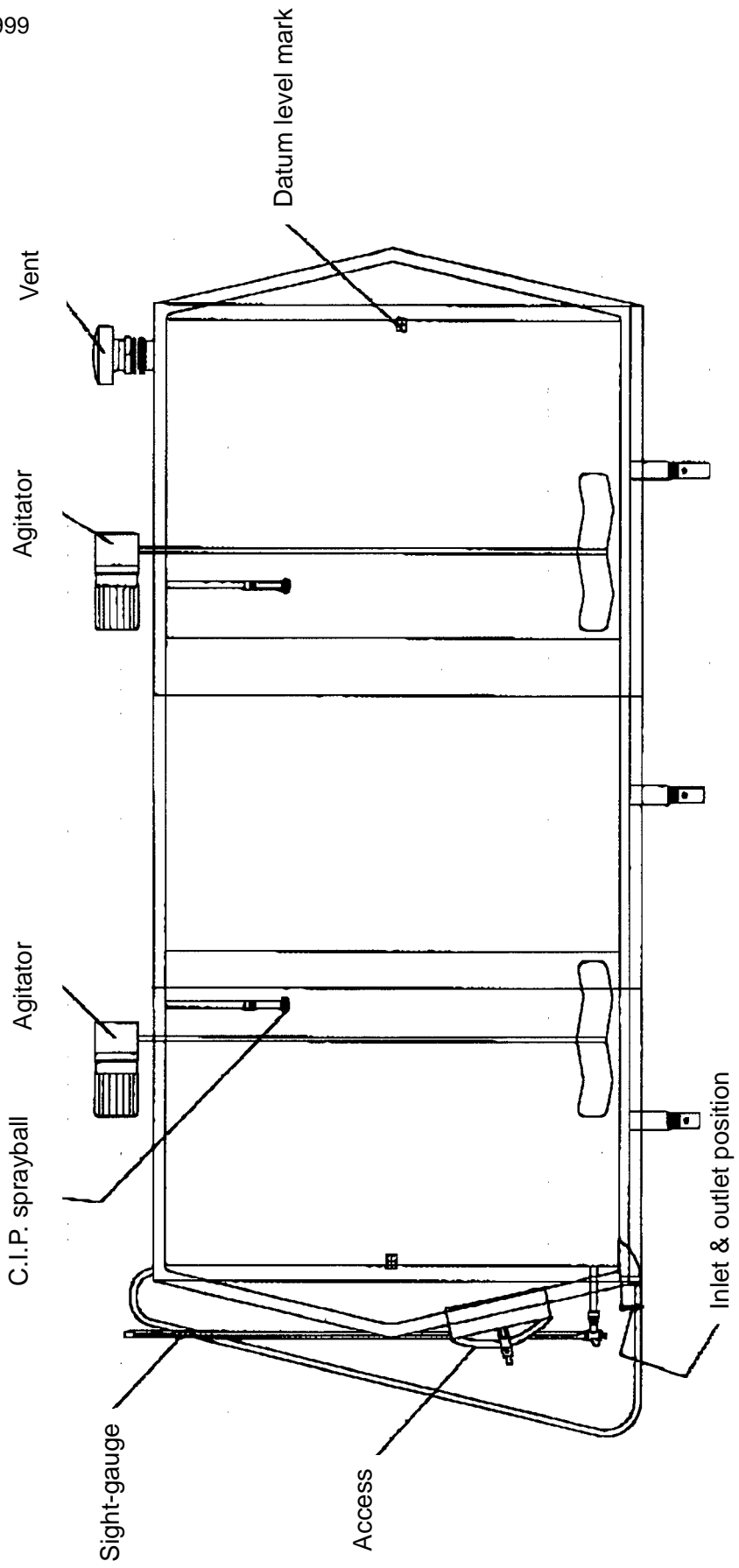
Maximum Capacity (litres)	Scale Interval (litres)	Maximum Capacity (litres)	Scale Interval (litres)
4 100	10	18 000	50
5 100	20	19 500	50
6 400	20	20 000	50
7 200	20	21 500	50
8 000	20	22 000	50
9 300	20	24 000	50
10 300	50	25 000	50
11 100	50	25 500	100
11 600	50	27 000	100
12 500	50	27 500	100
12 600	50	29 500	100
13 400	50	30 000	100
13 500	50	31 500	100
14 000	50	33 500	100
14 200	50	35 000	100
14 500	50	37 500	100
15 000	50	39 500	100
16 000	50	41 000	100
17 500	50		

FIGURE 8/80 - 1



Crown Sheetmetal Model HTL 50 Milk Tank

FIGURE 8/80 - 2



Crown Sheetmetal Model HTL 50 Milk Tank