



Australian Government

National Standards Commission

12 Lyonpark Road, North Ryde NSW 2113 Australia

Cancellation

Certificate of Approval No 8/76

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

Supakool Model 20010 Milk Tank

submitted by Supakool Farm Services Ltd
RD 11 Palmerston North
NEW ZEALAND

has been cancelled in respect of new instruments as from 1 December 2003.

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. C.", written on a light-colored background.



National Standards Commission

Certificate of Approval

No 8/76

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

Supakool Model 20010 Milk Tank

submitted by Supakool Farm Services Ltd
RD 11 Palmerston North
NEW ZEALAND.

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 July 2002, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 8/76 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.

DESCRIPTIVE ADVICE

Pattern: approved 26 June 1997

- A Supakool model 20010 vertical cylindrical refrigerated milk tank of 19 800 L capacity incorporating a sight-gauge for the measurement of the volume.

Variant: approved 26 June 1997

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

Technical Schedule No 8/76 describes the pattern and variant 1.

FILING ADVICE

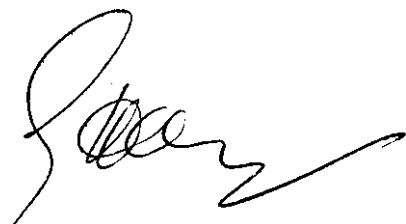
The documentation for this approval comprises:

Certificate of Approval No 8/76 dated 10 March 1998

Technical Schedule No 8/76 dated 10 March 1998 (incl. Table 1 & Test Procedure)

Figure 1 dated 10 March 1998

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.

A handwritten signature in black ink, appearing to be a stylized name, located at the bottom right of the page.

TECHNICAL SCHEDULE No 8/76

Pattern: Supakool Model 20010 Milk Tank.

Submittor: Supakool Farm Services Ltd
RD 11 Palmerston North
NEW ZEALAND.

1. Description of Pattern

A Supakool model 20010 vertical cylindrical refrigerated milk tank of 19 800 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 cylindrical vessel 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 control 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 support channel fixed to the side of the tank adjacent to a stainless steel scale. The scale has provision for a lead and wire seal to be attached to the scale mounting assembly.
The scale is graduated in 50 L graduations.

The sight-gauge valve allows the milk to enter the sight-gauge and be isolated from the contents of the tank. A removable plug-type tap located at the bottom of the sight-gauge allows the sight-gauge to be drained without draining the contents of the tank.

- (iii) Levelling is effected by means of seven 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 nameplate. Each leg has an integral footplate with provision for fixing to the floor, and provision for a lead and wire seal to be attached after levelling.
- (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 by a side entry opening.

1.2 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied to both the tank and to the sight-gauge scale.

1.3 Markings

- (a) 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	
Model number	
Serial number	
Pattern approval mark	NSC No 8/76
Maximum capacity L
Datum level L

2. Description of Variant 1

Models and capacities as listed in Table 1.

Model Number	Maximum Capacity (litres)	Number of Legs	Scale Interval (litres)
15010	15 500	7	50
20010	19 800	7	50
25010	25 000	7	50
30010	30 500	7	50

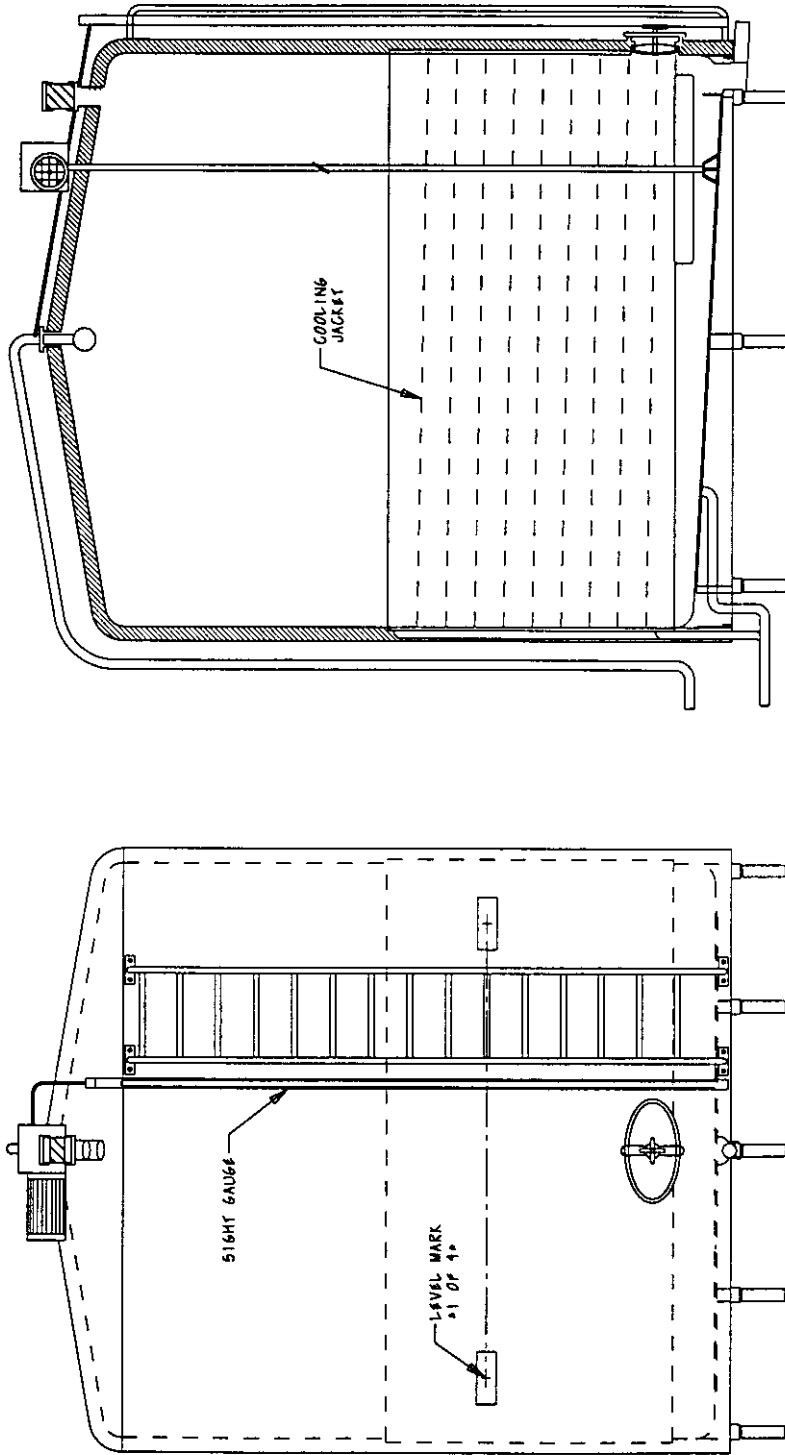
TEST PROCEDURE

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 ± 1 scale interval.

FIGURE 8/76 - 1



CROSS SECTION

EXTERNAL ELEVATION

Supakool Model 20010 Milk Tank