



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation Certificate of Approval No 8/57

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

Byford Model BFH 93 Milk Tank

submitted by Byford Equipment
now of
Murray Valley Highway
Strathmerton VIC 3641

has been cancelled in respect of new instruments as from 1 November 2000.

Instruments which were verified/certified before that date may, with the concurrence of the relevant verifying authority, be submitted for reverification.

Signed 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.

National Standards Commission



Certificate of Approval

No 8/57

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

Byford Model BFH 93 Milk Tank

submitted by Byford Equipment
 90-92 Drummond Road
 Shepparton VIC 3630.

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 March 1999, and then every 5 years thereafter

Instruments purporting to comply with this approval shall be marked NSC No 8/57 and only by persons authorised by the submittor.

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 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 25 February 1994

- A Byford model BFH 93 horizontal milk tank of 11 500 L capacity incorporating a sight-gauge for the measurement of the volume.

Variant: approved 25 February 1994

1. Certain capacities as listed in Table 1.

Technical Schedule No 8/57 describes the pattern and variant 1.

Variant: approved 13 December 1996

2. Model BFH 95-S in certain capacities as listed in Table 2.

Technical Schedule No 8/57 Variation No 1 describes the variant 2.

FILING ADVICE

Certificate of Approval No 8/57 dated 4 July 1994 is superseded by this Certificate, and may be destroyed.

The documentation for this approval now comprises:

- Certificate of Approval No 8/57 dated 22 May 1997
- Technical Schedule No 8/57 dated 4 July 1994 (incl. Table 1 and Test Procedure)
- Technical Schedule No 8/57 Variation No 1 dated 22 May 1997 (incl. Table 2)
- Figure 1 dated 4 July 1994

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.



National Standards Commission

TECHNICAL SCHEDULE No 8/57

Pattern: Byford Model BFH 93 Milk Tank.

Submitter: Byford Equipment
Murray Valley Highway
Strathmerton VIC 3641.

1. Description of Pattern

A Byford model BFH 93 horizontal cylindrical refrigerated milk tank of 11 500 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 horizontal stainless steel cylinder sheathed in an outer casing of stainless steel; the cavity between is filled with insulating material.

A milk-sampling valve is fitted to the tank.

- (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 polycarbonate 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 or a lead and wire seal to be attached to the scale mounting assembly. The sight-tube is made of plastic complying with Australian Standard AS 2070 *Plastics material for food contact use*.

The scale is graduated in 50 L increments. When required, a ladder is provided adjacent to the sight-gauge to allow reading of the scale.

- (iii) Levelling is effected by means of 4 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 provision for fixing the leg 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.

1.2 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.3 Markings

The following is marked on a nameplate permanently attached to the instrument in a clearly visible location:

Manufacturer's name or mark	
Model number	
Serial number	
NSC approval number	NSC No 8/57
Maximum capacity L
Datum level L

2. Description of Variant 1

Model BFH 93 in capacities as listed in Table 1.

TABLE 1

Maximum Capacity (litres)	Number of legs	Maximum Scale Interval (litres)
4 500	4	10
5 200	4	20
6 000	4	20
7 500	4	20
8 000	4	20
9 500	4	20
10 500	4	50
11 500	4	50
12 500	4	50
13 500	6	50
14 500	6	50
15 500	6	50
16 500	6	50
18 000	8	50
20 000	8	50
22 000	8	50
25 000	8	50
30 000	8	50

TEST PROCEDURE

Instruments should be tested in conjunction with any relevant 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.

National Standards Commission

TECHNICAL SCHEDULE No 8/57 VARIATION No 1

Pattern: Byford Model BFH 93 Milk Tank.

Submitter: Byford Equipment
90-92 Drummond Road
Shepparton VIC 3630

1. Description of Variant 2

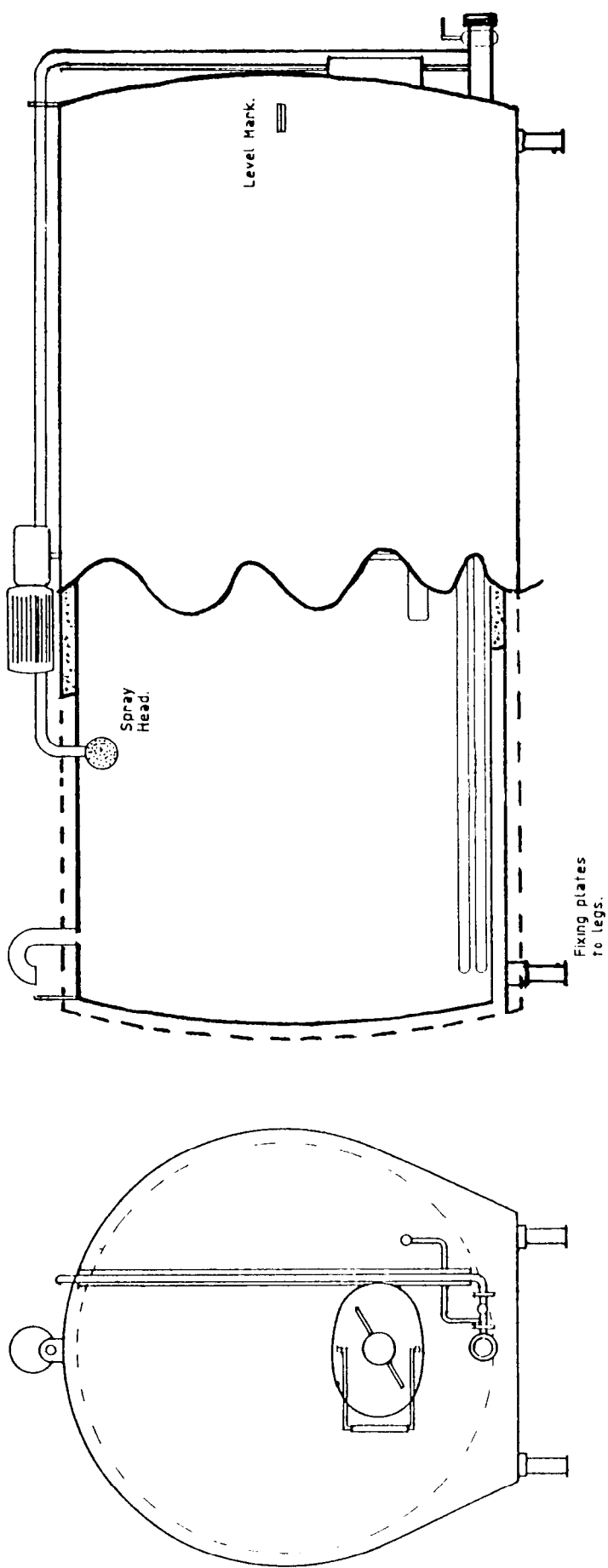
Model BFH 95-S in certain capacities as listed in Table 2.

TABLE 2

Model Number	Maximum Capacity (litres)	Number of Legs	Scale Interval (litres)
BFH 95-S	5 000	4	10
"	6 000	4	20
"	7 500	4	20
"	8 500	4	20
"	9 500	4	20
"	10 500	6	50
"	11 500	4	50
"	11 500	6	50
"	12 500	4	50
"	12 500	6	50
"	13 500	6	50
"	14 500	6	50
"	14 500	8	50
"	15 500	6	50
"	15 500	8	50
"	18 000	8	50
"	20 000	8	50
"	25 000	10	50
"	30 000	12	50

NOTE: Where two tanks of the same capacity are listed, they have different diameters and/or lengths.

FIGURE 8/57 - 1



Byford Model BFH 93 Milk Tank