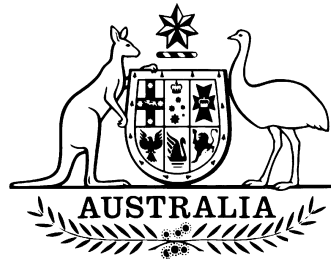


8/70A  
14 November 2002



## National Standards Commission

12 Lyonpark Road, North Ryde NSW

### Cancellation

### Certificate of Approval

**No 8/70A**

Issued 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

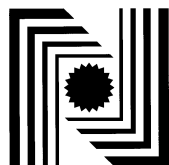
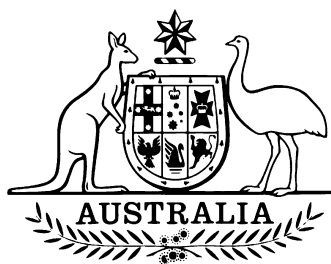
PLC Engineering Model PLC 100 HD Milk Tank

submitted by PLC Engineering Pty Ltd  
4 Dreamhaven Court  
Epping VIC 3076

has been cancelled in respect of new instruments as from 1 December 2002.

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 cursive script, appearing to read 'J. Bennett'.



## National Standards Commission

12 Lyonpark Road, North Ryde NSW

### Certificate of Approval

**No 8/70A**

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

PLC Engineering Model PLC 100 HD Milk Tank

submitted by PLC Engineering Pty Ltd  
4 Dreamhaven Court  
Epping VIC 3076.

**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 8/70.

### CONDITIONS OF APPROVAL

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

Instruments purporting to comply with this approval shall be marked NSC No 8/70A 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 milk tank of an instrument purporting to comply with this approval.

### DESCRIPTIVE ADVICE

**Pattern:** approved 19 November 2001

- A PLC Engineering model PLC 100 HD horizontal cylindrical refrigerated milk tank of 10 000 L capacity.

**Variant:** approved 19 November 2001

1. Other models and capacities of the PLC HD series, as listed in Table 1.

Technical Schedule No 8/70A describes the pattern and variant 1.

### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 8/70A dated 6 June 2002  
Technical Schedule No 8/70A dated 6 June 2002 (incl. Table 1 and Test Procedure)  
Figure 1 dated 6 June 2002

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, consisting of a large, stylized initial 'P' followed by several loops and a long horizontal stroke extending to the right.

## TECHNICAL SCHEDULE No 8/70A

**Pattern:** PLC Engineering Model PLC 100 HD Milk Tank.

**Submittor:** PLC Engineering Pty Ltd  
4 Dreamhaven Court  
Epping VIC 3076

### 1. Description of Pattern

A PLC Engineering model PLC 100 HD horizontal cylindrical refrigerated milk tank of 10 000 L capacity (Figure 1 and Table 1) incorporating a dipstick 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.
- (ii) The dipstick is graduated in 20 L increments.
- (iii) Levelling is effected by means of 6 adjustable legs with reference to the datum level marks permanently marked on the tank. Each leg has provision for fixing to the floor, and sealing, after levelling.
- (iv) A top-mounted access hole is provided at the outlet end of the tank and incorporates a dipstick socket (Figure 1).
- (v) 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 to both the tank and to the dipstick.

#### 1.3 Sealing Provision

Provision is made for the adjustable legs to be sealed after the tank has been levelled. Refer clause 1.1 (iii).

#### 1.4 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	PLC Engineering
Model number	.....
Serial number	.....
Pattern approval mark	NSC No 8/70A
Maximum capacity	..... L

(b) The dipstick is marked with the following:

Manufacturer's mark, or name written in full	PLC Engineering
Serial number corresponding to the serial number of the tank	.....
Datum level	..... L
Scale interval	..... L

## 2. Description of Variant 1

Other models of the PLC HD series and in capacities as listed in Table 1.

TABLE 1

Model Number	Maximum Capacity L	Number of Legs	Scale Interval L
PLC 100 HD	10 000	6	20
PLC 1500 HD	15 000	6	50
PLC 1800 HD	18 000	8	50
PLC 2000 HD	20 000	8	50
PLC 2500 HD	25 000	10	50
PLC 3000 HD	30 000	10	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 dipstick is  $\pm 1$  scale interval.

FIGURE 8/70A - 1

