



**Australian Government**

**National Measurement  
Institute**

Bradfield Road, West Lindfield NSW 2070

# **Notification of Change**

## **Supplementary Certificate of Approval No 8/48B**

### **Change No 1**

Issued by the Chief Metrologist under Regulation 60  
of the  
*National Measurement Regulations 1999*

The following changes are made to the approval documentation for the

Packo Fullwood Model LEM8000 Milk Tank

submitted by Dairy-Tech Refrigeration  
(formerly Packo Fullwood Pty Ltd)  
28-30 Yarragon Road  
Leongatha VIC 3953.

- A. In Certificate of Approval No 8/48B dated 16 June 2006;
1. The Condition of Approval referring to the review of the approval should be amended to read:  
“This approval becomes subject to review on 1 March **2016**, and then every 5 years thereafter.”
  2. The DESCRIPTIVE ADVICE should be amended by adding the following:  
“May also be known as ‘Packo Inox’ instruments of the same model.”
  3. The FILING ADVICE should be amended by adding the following:  
“Notification of Change No 1 dated 16 May 2011”
- B. In Certificate of Approval No 8/48B and its Technical Schedule both dated 16 June 2006, all references to the name of the submitter should be amended to read:  
“Dairy-Tech Refrigeration”
- C. In Technical Schedule No 8/48B dated 16 June 2006;
1. In clause **1. Description of Pattern**, the first paragraph should be amended by adding the following:  
“May also be known as ‘Packo Inox’ instruments of the same model.”

2. In clause **1.3 Markings**, the manufacturer's name should be amended to read:

"Packo Inox N.V."

3. The TEST PROCEDURE should be replaced by the following:

"Instruments shall be tested in accordance with any relevant tests specified in the national inspection test procedures.

**Maximum Permissible Errors**

The maximum permissible errors are specified in Schedule 1 of The *National Trade Measurement Regulations 2009*."

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 stylized cursive letters, positioned to the right of the signature text.



**Australian Government**  
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Bradfield Road, West Lindfield NSW 2070

**Certificate of Approval**  
**No 8/48B**

Issued by the Chief Metrologist 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

Packo Fullwood Model LEM8000 Milk Tank  
submitted by **Packo Fullwood Pty Ltd**  
28-30 Yarragon Road  
Leongatha VIC 3953.

**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 8/48A.

This approval has been granted with reference to document NMI M 4, *Pattern  
Approval Specifications for Milk Tanks*, dated February 2006.

**CONDITIONS OF APPROVAL**

This approval becomes subject to review on 1 March **2010**, and then every  
5 years thereafter.

Instruments purporting to comply with this approval shall be marked with  
approval number 'NMI 8/48B' 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 National Measurement Institute (NMI) 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 document NMI P 106.

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

#### DESCRIPTIVE ADVICE

**Pattern:** approved 9 February 2006

- A Packo Fullwood model LEM8000 milk tank of 8000 L capacity.

**Variant:** approved 9 February 2006

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

Technical Schedule No 8/48B describes the pattern and variant 1.

#### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 8/48B dated 16 June 2006

Technical Schedule No 8/48B dated 16 June 2006 (incl. Test Procedure)

Figure 1 dated 16 June 2006

Signed by a person authorised by the Chief Metrologist to exercise his powers under Regulation 60 of the *National Measurement Regulations 1999*.



## TECHNICAL SCHEDULE No 8/48B

**Pattern:** Packo Fullwood Model LEM8000 Milk Tank

**Submittor:** Packo Fullwood Pty Ltd  
28-30 Yarragon Road  
Leongatha VIC 3953

### 1. Description of Pattern

A Packo Fullwood model LEM8000 horizontal cylindrical refrigerated milk tank of 8000 L capacity (Table 1 and Figure 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 polyurethane insulating material.
- (ii) A top mounted access hole is provided at the outlet end of the tank and incorporates a dipstick socket and dipstick (Figure 2). The tank is fitted with a ladder to allow access to the dipstick.
- (iii) The dipstick is graduated in 20 L increments.
- (iv) Levelling is effected by means of 8 adjustable legs, with reference to the datum level marks permanently marked on the tank (Figure 3). Each leg has provision for fixing to the floor. At least one leg at each end has provision for sealing, after levelling.  
The tank, when level, allows all contents to drain towards the outlet.
- (v) An agitator is provided which is switched off during measurement of the volume of the contents.

#### 1.2 Sealing Provision

Provision is made for the adjustable legs to be sealed after the tank has been levelled.

#### 1.3 Markings

- (a) The following data is marked on the nameplate permanently attached to the calculator/indicator in a clearly visible location:

Manufacturer's mark, or name written in full	Packo Fullwood Pty Ltd
Model number	.....
Serial number	.....
Pattern approval mark	8/48B
Maximum capacity	..... L
Year of manufacture	.....

(b) The dipstick is marked with the following:

Manufacturer's mark or name written in full	Packo Fullwood Pty Ltd
Serial number corresponding to the serial number of the tank	.....
Datum level	..... L
Scale interval	..... L

#### 1.4 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied to both the tank and the dipstick.

## 2. Description of Variant 1

Certain models and capacities as listed in Table 1.

Model Number	Maximum Capacity (litres)	Number of Legs	Scale Number Interval (litres)
LEM4000	4 000	4	10
LEM5000	5 000	4	10
LEM6200	6 200	6	20
LEM8000	8 000	8	20
LEM10000	10 000	10	20
LEM12000	12 000	12	50
LEM14000	14 000	12	50
LEM17500	17 500	14	50
LEM21000	21 000	18	50
LEM25000	25 000	20	50
LEM30000	30 000	26	50

### TEST PROCEDURE

~~Instruments should be tested in conjunction with any relevant tests in NMI M 4, Pattern Approval Specifications for Milk Tanks.~~

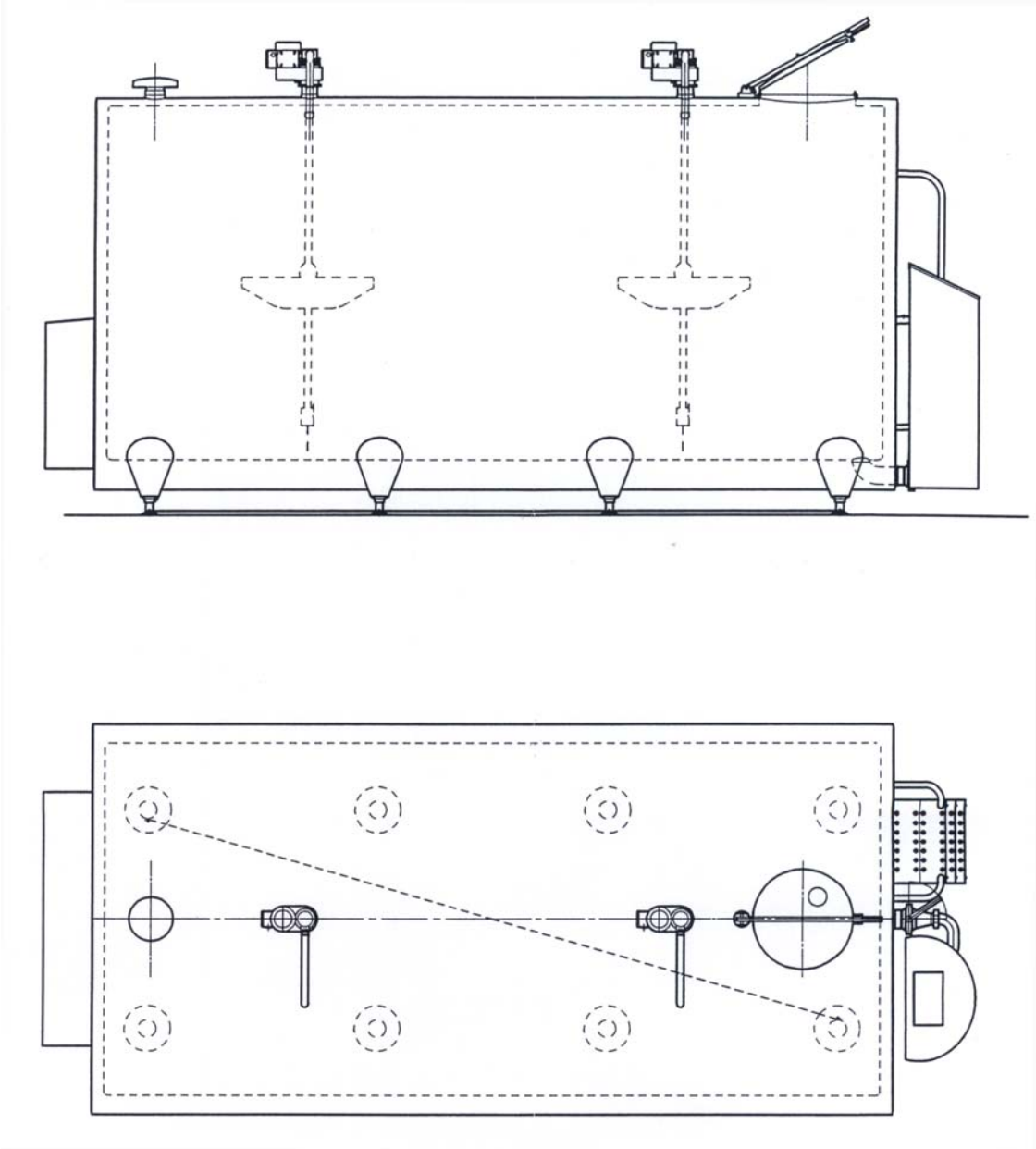
#### ~~Maximum Permissible Error at Verification/Certification~~

~~The maximum permissible error for milk tanks incorporating a dipstick is:~~

~~±1 scale interval.~~



FIGURE 8/48B - 1



Packo Fullwood Model LEM8000 Milk Tank