



Australian Government
Department of Industry and Science

National Measurement Institute

Certificate of Approval

No 8/93

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 instruments herein described.

Ro-Ka Model RKC Milk Tank

submitted by Eco Dairy Solutions Pty Ltd
1585 South Gippsland Hwy
Meeniyah 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 approval has been granted with reference to document NMI M 4, *Pattern Approval Specifications for Milk Tanks*, dated February 2006.

This approval becomes subject to review on 1/08/20, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – certificate issued	20/07/15

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 8/93' and only by persons authorised by the submitter.

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.

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

A handwritten signature in black ink, appearing to read 'M. Zamora', with a long horizontal flourish extending to the right.

Mario Zamora

TECHNICAL SCHEDULE No 8/93

1. Description of Pattern

approved on 20/07/15

The Ro-Ka model RKC Horizontal cylindrical refrigerated milk tank of 18 000 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. The bottom of the tank slopes towards the outlet valve.
- (ii) An access hole is provided at the outlet end of the tank and incorporates a dipstick socket and dipstick (Figure 1). The tank is fitted with a ladder to allow access to the dipstick.
- (iii) The dipstick is graduated in 50 L increments.
A valve located at the bottom of the sight-gauge allows milk to enter the sight-tube and be isolated from the tank contents. A separate valve allows the sight-tube to be drained without draining the contents of the tank.
- (iv) Levelling is effected by means of 10 adjustable legs, with reference to the datum level marks permanently marked on the tank. Each leg has provision for fixing to the floor. At least one leg at each end has provision for sealing, after levelling.
- (v) An agitator is provided which is switched off during measurement of the volume of the contents.
- (vi) A milk sampling valve may be fitted to the tank.

1.2 Verification Provision

Provision is made for a verification 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	Ro-Ka
Model number	RKC
Serial number
Pattern approval number in the form:	NMI No 8/93
Maximum capacity in the form L

2. Description of Variant 1

Other capacities of the RKC series as listed in Table 1 below. The pattern is shown in **bold**.

TABLE 1 – Approved Capacities

Maximum Capacity	Number of Legs	Scale Interval
5050 L	4	20 L
6000 L	6	20 L
7000 L	6	20 L
8000 L	6	20 L
9000 L	6	20 L
10 050 L	6	50 L
12 000 L	6	50 L
14 000 L	10	50 L
16 000 L	10	50 L
18 000 L	10	50 L
20 000 L	10	50 L
22 000 L	10	50 L
25 000 L	14	50 L
30 000 L	14	100 L

TEST PROCEDURE

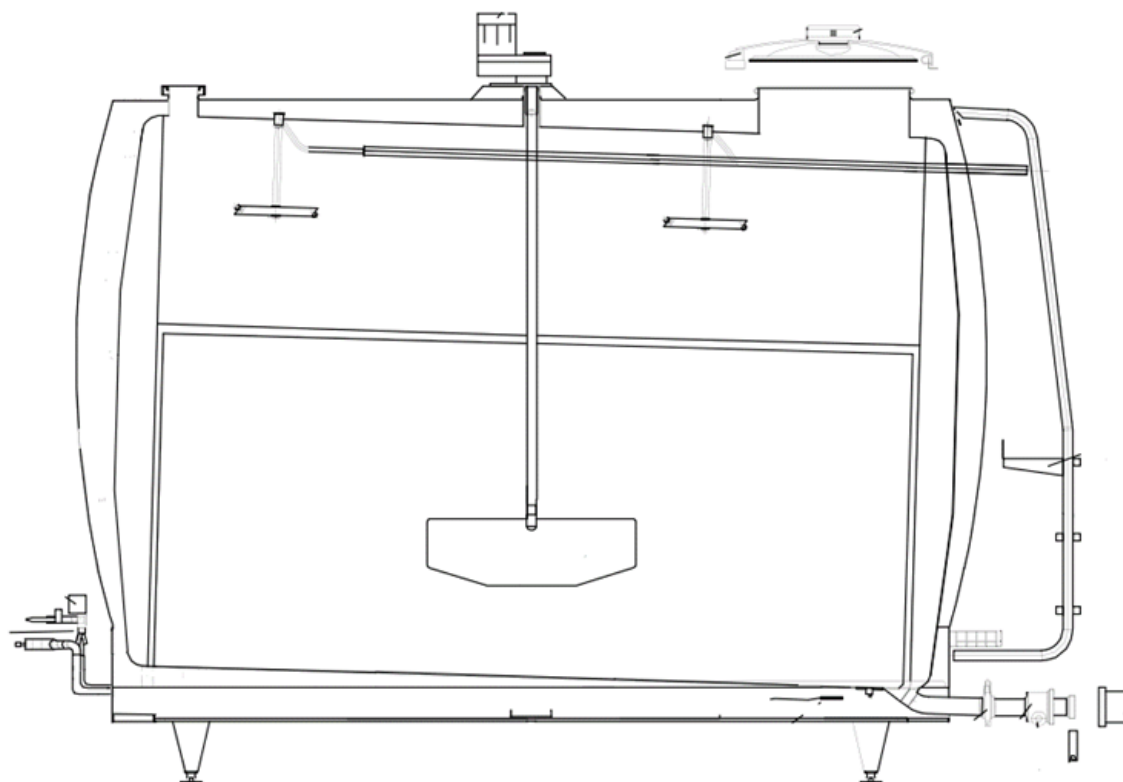
Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

The instrument shall not be adjusted to anything other than as close as practical to zero error, even when these values are within the maximum permissible errors.

Maximum Permissible Errors

The maximum permissible errors are specified in the *National Trade Measurement Regulations 2009*.

FIGURE 8/93 – 1



Typical Ro-Ka RKC Series Milk Tank

~ End of Document ~