



Australian Government

National Measurement
Institute

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 8/84A

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.

DeLaval Model DXC 12000 Milk Tank

submitted by DeLaval Pty Limited
1 Global Drive
Westmeadows VIC 3049

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 **1/03/17**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – interim certificate issued	7/02/07
1	Pattern & variant 1 approved – certificate issued	2/03/07
2	Pattern & variant 1 reviewed & updated – certificate issued	31/10/12

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 8/84A' 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 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 his powers under Regulation 60 of the *National Measurement Regulations 1999*.

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke at the bottom.

TECHNICAL SCHEDULE No 8/84A

1. Description of Pattern

approved on 7/02/07

A DeLaval model DXC 12000 horizontal cylindrical refrigerated milk tank of 12 000 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 50 L increments.
- (iii) Levelling is effected by means of 8 adjustable legs with reference to the datum level marks permanently marked on the tank. Legs at each end have provision for fixing to the floor, and provision for sealing, after levelling.
- (iv) Access for inspection is provided.

1.2 Sealing Provision

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

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	DeLaval, Poland
Model number
Serial number
Year of manufacture
Pattern approval mark in the form:	8/84A
Maximum capacity in the form L

- (b) The dipstick is marked with the following:

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

1.3 Verification Provision

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

2. Description of Variant 1

approved on 7/02/07

Other models of the DXC and DXCEM series and in capacities as listed in Table 1.

TABLE 1

Model Number	Maximum Capacity L	Number of Legs	Scale Interval L
DXC 2000	2000	4	5
DXC 3000	3000	4	10
DXC 4000	4000	4	10
DXC 5000	5000	4	10
DXC 6000	6000	4	20
DXC 6750	6750	4	20
DXC 7100	7100	6	20
DXC 7500	7500	6	20
DXC 8100	8100	6	20
DXC 8600	8600	6	20
DXC 9700	9700	6	20
DXC 11000	11 000	8	50
DXC 12000	12 000	8	50
DXCEM 14000	14 000	8	50
DXCEM 16000	16 000	10	50
DXCEM 18000	18 000	10	50
DXCEM 20000	20 000	10	50
DXCEM 24000	24 000	10	50
DXCEM 32000	32 000	12	50

TEST PROCEDURE No 8/84A

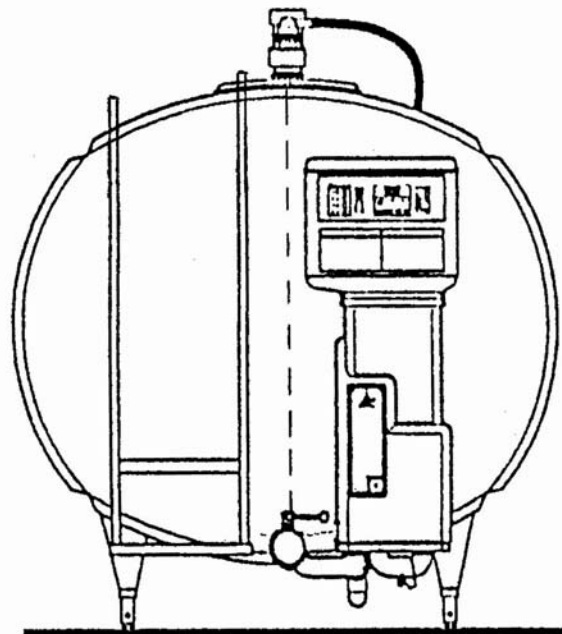
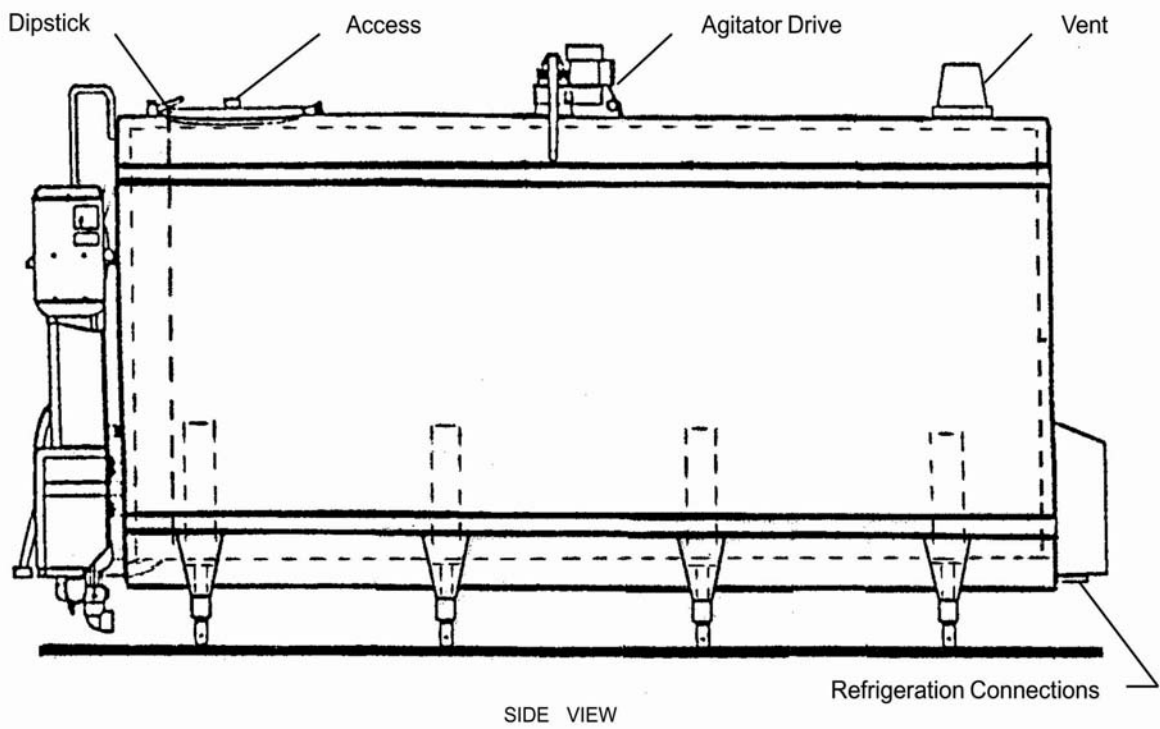
Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

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 Schedule 1 of the *National Trade Measurement Regulations 2009*.

FIGURE 8/84A – 1



DeLaval Model DXC 12000 Milk Tank

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