



Australian Government

National Measurement
Institute

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 8/85

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.

Serap Model FSE 8000 Milk Tank

submitted by Serap Industries
 Route de Fougères
 53120 Gorron
 FRANCE

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 **1/01/17**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – interim certificate issued	21/12/01
1	Pattern & variant 1 approved – certificate issued	22/04/02
2	Pattern & variant 1 reviewed – variant 2 approved – certificate issued	28/06/07
3	Pattern & variants 1 & 2 reviewed & updated – certificate issued	28/03/12

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI (or NSC) 8/85' 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 his powers under Regulation 60 of the
National Measurement Regulations 1999.

A handwritten signature in black ink, consisting of stylized cursive letters, likely representing the Chief Metrologist.

TECHNICAL SCHEDULE No 8/85

1. Description of Pattern

approved on 21/12/01

A Serap model FSE 8000 horizontal cylindrical refrigerated milk tank of 8000 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 centrally located outlet valve.
- (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. At least one leg at each end of the tank 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 Provision

Provision is made for a verification 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	Serap
Model number
Serial number
Pattern approval mark in the form:	NMI (or NSC) No 8/85
Maximum capacity in the form L

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

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

2. Description of Variant 1

approved on 21/12/01

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

TABLE 1

Model Number	Maximum Capacity L	Number of Legs	Scale Interval L
FSE 7000	7000	6	20
FSE 8000	8000	6	20
FSE 10400	10 400	6	50
FSE 12000	12 000	6	50
FSE 15000	15 000	6	50
FSE 18000	18 000	8	50
FSE 21000	21 000	8	50
FSE 24000	24 000	8	50
FSE 27000	27 000	10	100
FSE 31000	31 000	12	100

3. Description of Variant 2

approved on 28/06/07

Certain models and capacities of the FSE series, as listed below in Table 2.

TABLE 2

Model Number	Maximum Capacity L	Number of Legs	Scale Interval L
FSE 5200	5200	6	20
FSE 6000	6000	6	20

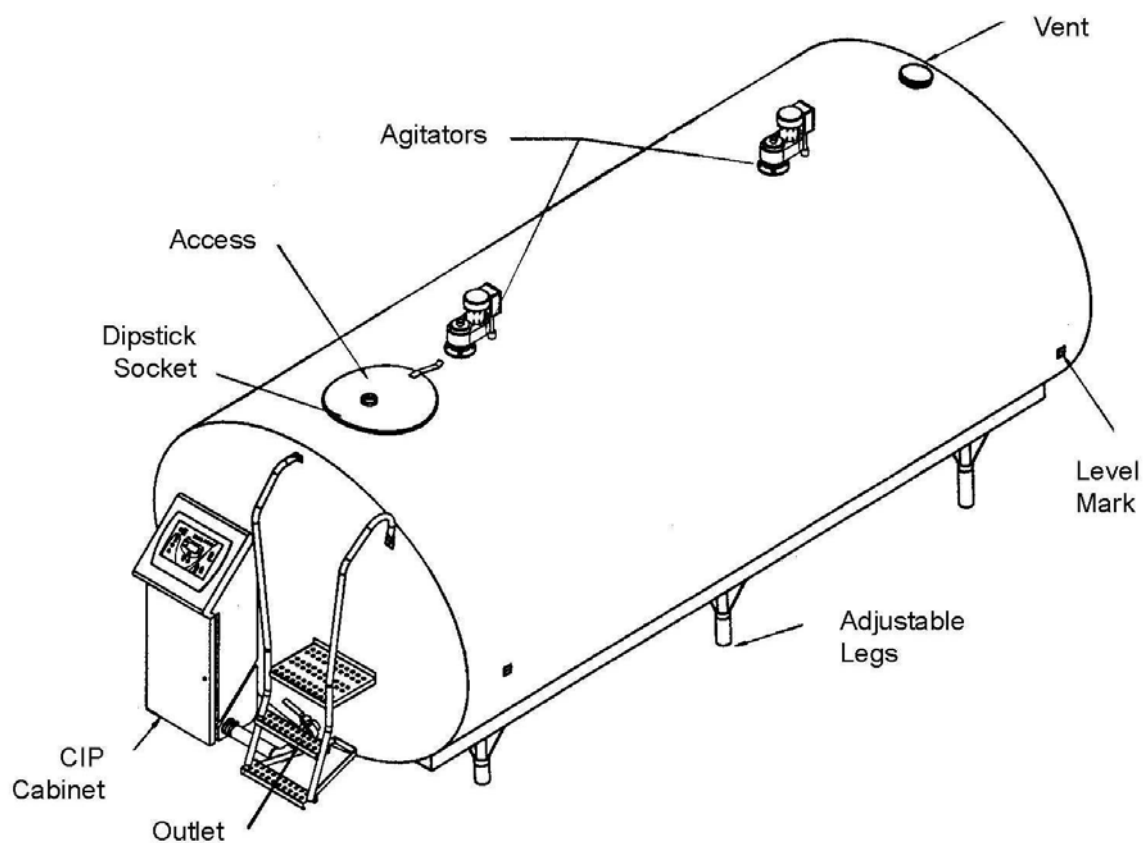
TEST PROCEDURE No 8/85

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

Maximum Permissible Errors

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

FIGURE 8/85 – 1



Serap Model FSE 8000 Milk Tank

~ End of Document ~