



CANCELLED

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8/32
21/6/84

NATIONAL STANDARDS COMMISSION

WEIGHTS AND MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 8/32

This is to certify that an approval has been granted by the Commission that the pattern of the

National Dairy Association Model AEP 3.75 Farm Milk Tank

submitted by The National Dairy Association of New Zealand Limited
69 Beach Road
Auckland 1, New Zealand

is suitable for use for trade.

The approval is subject to review on or after 1/7/89.

Instruments purporting to comply with this approval shall be marked NSC No 8/32.

The approval may be withdrawn if instruments are constructed and used other than in accordance with the drawings and specifications lodged with the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 7/6/84

. A refrigerated farm milk tank of 3400 litres capacity.

Technical Schedule No 8/32 describes the pattern.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 8/32 dated 21/6/84
Technical Schedule No 8/32 dated 21/6/84
Test Procedure No 8/32 dated 21/6/84
Figures 1 to 4 dated 21/6/84.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 8/32

Pattern: National Dairy Association Model AEP 3.75 Farm Milk Tank

Submittor: The National Dairy Association of New Zealand Limited
69 Beach Road
Auckland 1, New Zealand.

1. Description of Pattern

The pattern (Figures 1 and 2) is of a refrigerated farm milk tank of 3400 litres capacity. The tank is a vertical stainless steel cylinder having a minimum wall thickness of 2 mm and an internal diameter not exceeding 1880 mm, sheathed in an outer casing of stainless steel 1.6 mm thick. The bottom is 2 mm thick and in the form of a flat dimple plate which slopes towards the outlet. The integral dome top has a minimum thickness of 2 mm. Two dipstick sockets fitted to the dome (Figure 3) are marked A and B respectively. The critical dimensions of the dipstick and sockets are shown in Figure 4.

1.1 Levelling

Levelling is effected by means of four adjustable feet fitted with lock nuts. Three uniformly spaced level marks on the outside of the tank are in the same horizontal plane as the level mark on the rear of the dipstick and are marked LEVEL MARK. A level indicator is fitted, to be used for transverse levelling.

1.2 Markings

1.2.1 Nameplate

The following is marked on a nameplate permanently attached to the instrument in a clearly visible location:

Manufacturer's name or mark
Model number
Serial number
NSC approval number
Maximum capacity

NSC No 8/32
MaxL

1.2.2 Levelling Notice

The tank is marked with the following, adjacent to one or both of the dipstick sockets:

Level condition of tank to be adjusted if readings from both sockets differ by more than 1 mm.

1.2.3 Removable Fittings

Removable parts, such as the dipstick and the outlet control device, shall be marked with the model and serial numbers of the tank.

1.3 Verification

Provision is made for a verification mark to be applied.

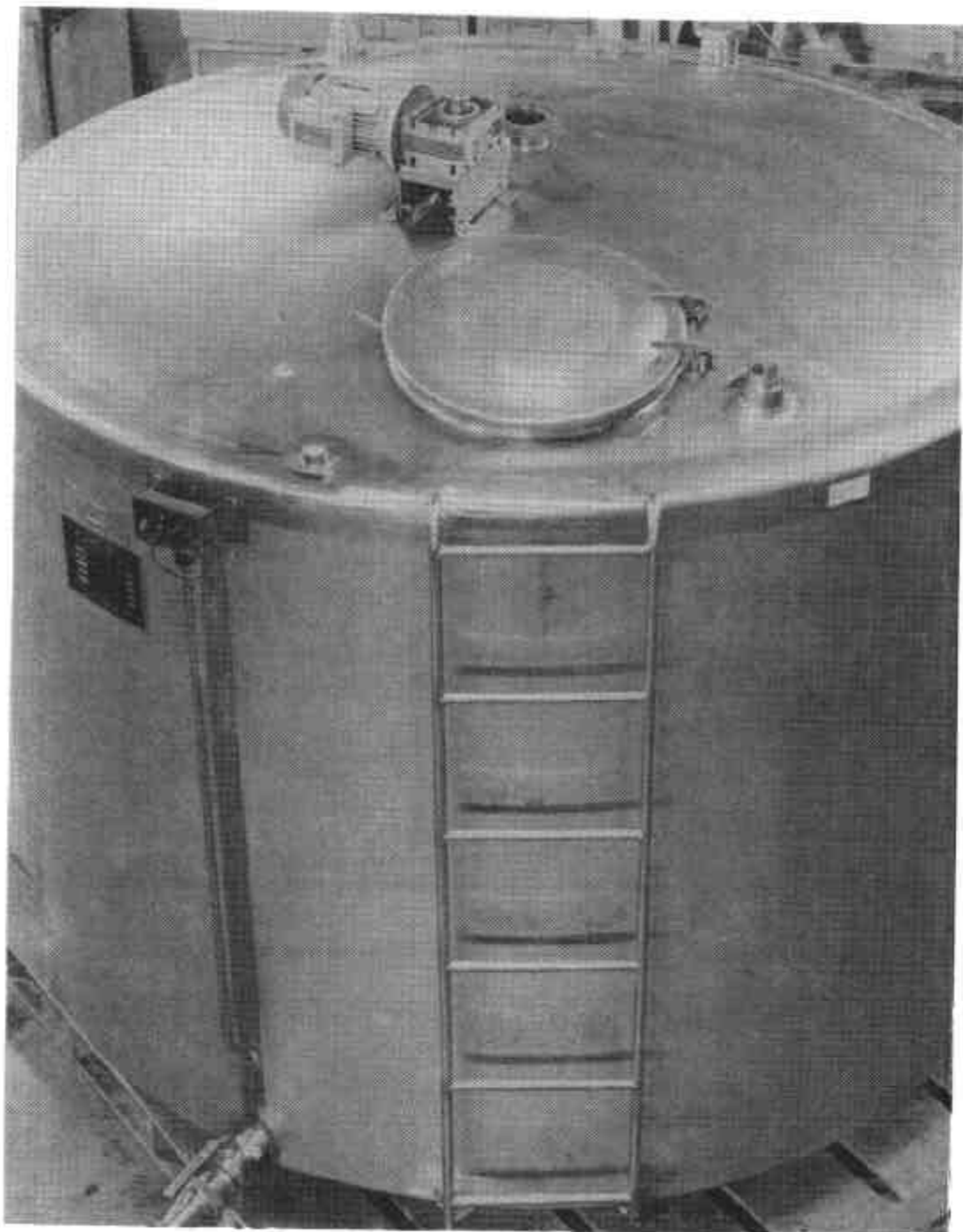
TEST PROCEDURE No 8/32

1. Check that the tank is in its calibrated attitude by reference to the level marks which should all be coincident¹ in the horizontal plane within ± 1 mm.
2. Check that the tank is correctly calibrated²; the maximum permissible error is ± 1 graduation.
3. Check that the tank drains² satisfactorily.
4. Check that the level indicator indicates level correctly, the Test 1 having been satisfied.
5. Check that the level indicator is of sufficient sensitivity. On instruments of this pattern its required sensitivity is related only to tilt, transverse to the line drawn between the two dipstick sockets. Re-check 1 and 4 above.
6. Check that dipstick readings A and B differ by not more than 1 mm. This should be checked at the lowest graduation mark and several others.

Note

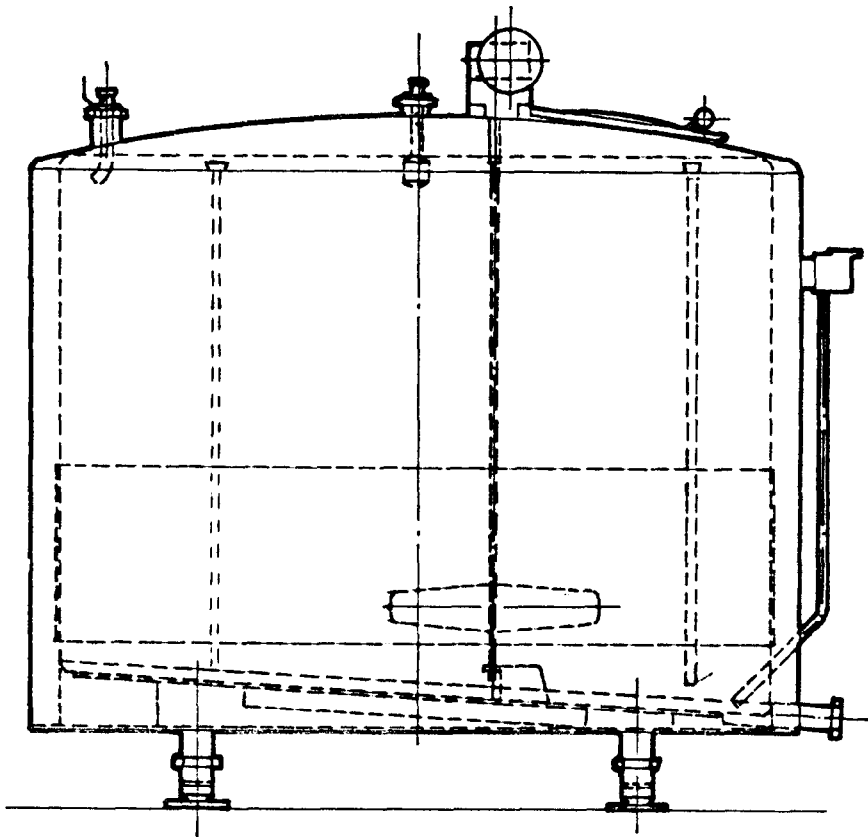
- 1 May be made with a Roman Level.
- 2 See SAA Code AS1187-1977 for methods of tests.

FIGURE 8/32 - 1



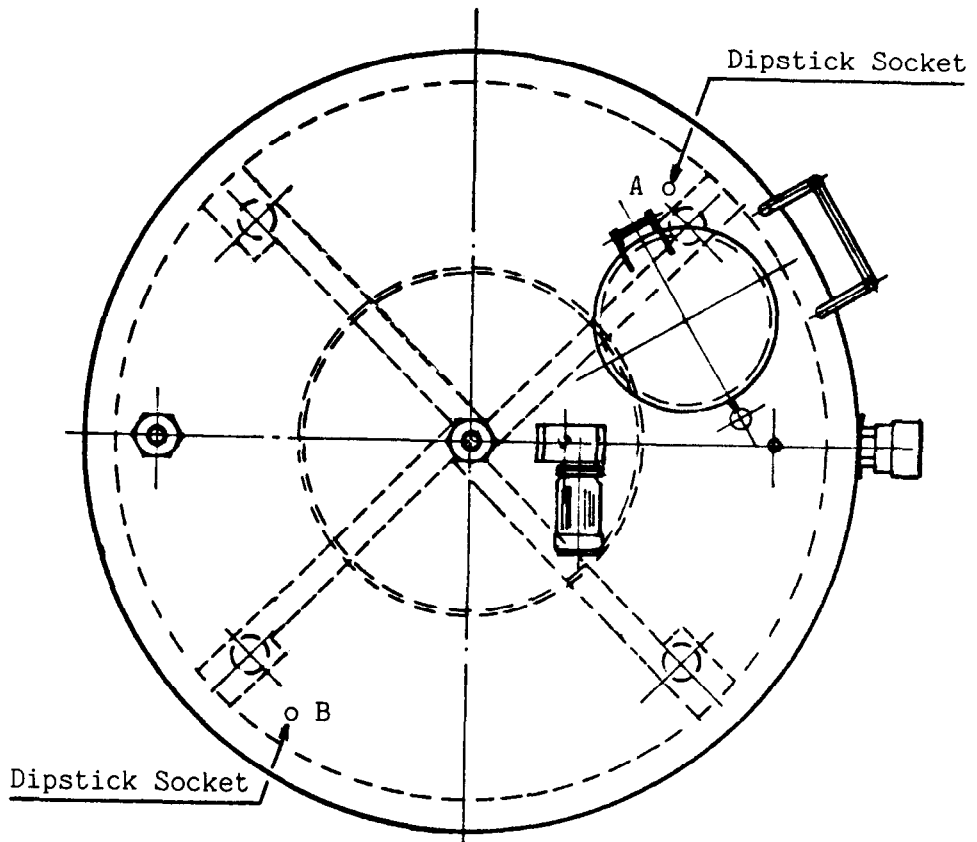
National Dairy Association Model AEP 3.75 Farm Milk Tank

FIGURE 8/32 - 2



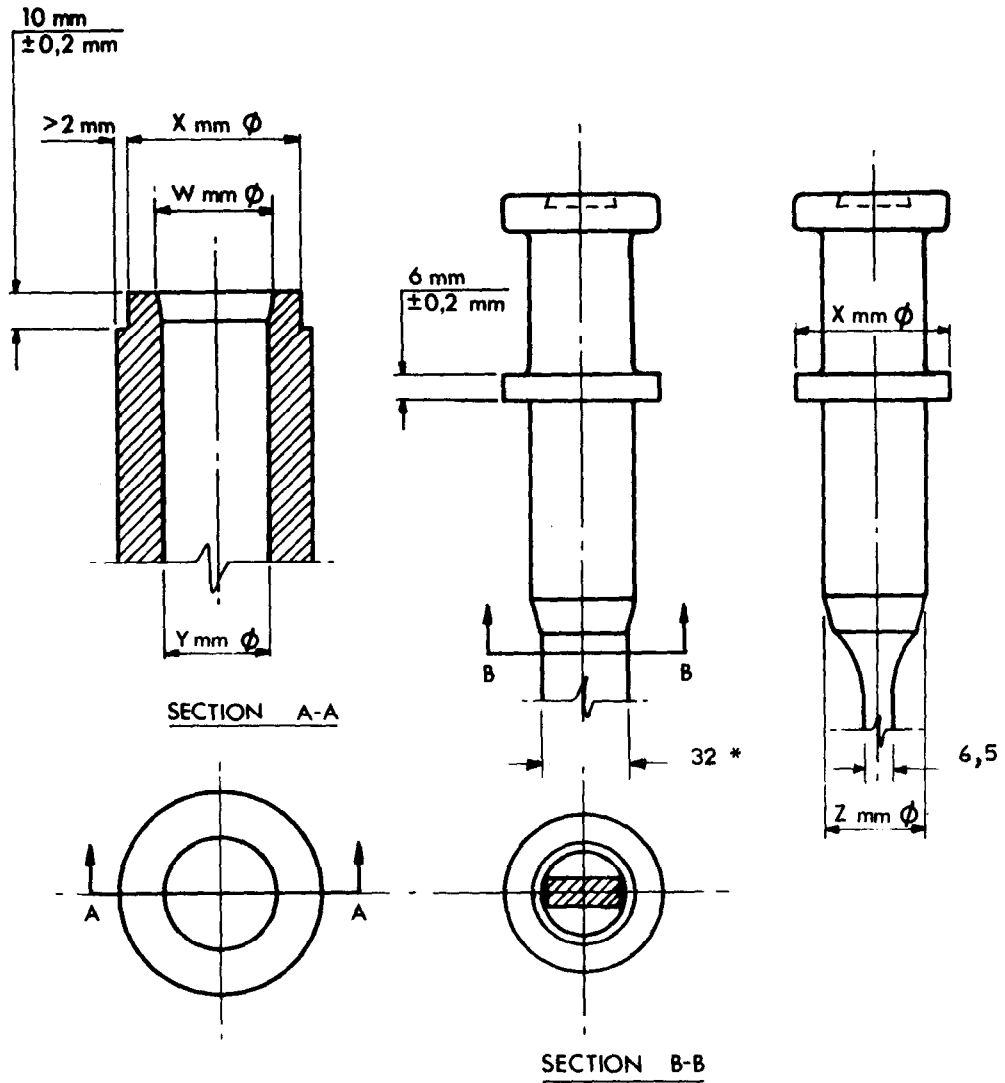
Side Elevation

FIGURE 8/32 - 3



Plan View

FIGURE 8/32 - 4



$X - W > 10$ mm

$0,05$ mm $< (Y - Z) < 0,15$ mm

* This dimension exceeds the width nominated in AS 1187 and is considered to be suitable by the Commission