

# National Standards Commission



## Certificate of Approval

**No 8/41**

Issued under Regulation 9  
of the  
National Measurement (Patterns of Instruments) Regulations

This is to certify that an approval for use for trade has been granted in respect of the

APV Model V Farm Milk Tank

submitted by APV Baker Pty Ltd  
935 Kingsford Smith Drive  
Eagle Farm QLD 4007.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

### CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/10/95.

This approval expires in respect of new instruments on 1/10/96.

Instruments purporting to comply with this approval shall be marked NSC No 8/41 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 drawings and specifications lodged with the Commission 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 the Commission's Document 106.

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

#### Special:

Instruments purporting to comply with this approval shall conform with the relevant requirements of Australian Standard AS 1187-1988 for Refrigerated Farm Milk Tank-units.

### DESCRIPTIVE ADVICE

**Pattern:** approved 19/9/90

. An APV model V refrigerated farm milk tank of 5 050 L maximum capacity. ~

**Variant:** approved 19/9/90

1. In various capacities as listed in Table 1.

Technical Schedule No 8/41 describes the pattern and variant 1.

### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 8/41 dated 25/3/91  
Technical Schedule No 8/41 dated 25/3/91 (incl. Test Procedure)  
Figures 1 and 2 dated 25/3/91



# National Standards Commission

## TECHNICAL SCHEDULE No 8/41

**Pattern:** APV Model V Farm Milk Tank.

**Submittor:** APV Baker Pty Ltd  
935 Kingsford Smith Drive  
Eagle Farm QLD 4007.

### 1. Description of Pattern

An APV model V vertical cylindrical refrigerated farm milk tank of 5 050 L capacity (Figure 1 and Table 1) incorporating a sight-gauge for indicating the volume.

#### 1.1 Details

- (i) The tank is a vertical stainless steel cylinder sheathed in an outer casing of stainless steel; the cavity between is filled with insulating material. The bottom slopes towards the outlet control valve.

A milk-sampling valve is fitted to the tank.

- (ii) A single sight-gauge mounted in a vertical position is located in the vicinity of the outlet valve and comprises a plastic sight-tube fitted in a rigid support channel fixed to the side of the tank adjacent to a stainless steel scale.

The scale is graduated in 20 L increments.

- (iii) Levelling is effected by means of 4 adjustable legs with reference to the datum level marks permanently marked on the tank. The volume represented by the datum level marks shall be marked on the sight-gauge scale. Each leg has an integral footplate with provision for fixing the leg to the floor using dynabolts. Provision is made for a lead and wire seal to be attached after levelling.
- (iv) Provision is made for a CIP (clean-in-place) system for both the tank and the sight-gauge.
- (v) A side entry or a top entry opening is provided for inspection.

#### 1.2 Verification Provision

Provision is made for a verification mark to be applied.

### 1.3 Markings

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	NSC No 8/41
Maximum capacity	..... L
Year of manufacture	

In addition, the volume represented by the datum level marks shall be marked on the sight-gauge scale.

## 2. Description of Variant 1

In other capacities, with 4 or 6 legs, as listed in Table 1.

Tanks of up to 6 600 L capacity are of the dome-top type shown in Figure 1, while those greater than 6 600 L capacity are of the silo type shown in Figure 2.

TABLE 1

Maximum Capacity (litres)	Number of legs	Minimum Graduation Size (litres)
3 200	4	10
3 700	4	10
5 050	4	20
5 350	4	20
6 600	4	20
7 500	4	20
8 750	4	20
11 200	6	20
13 700	6	20
15 000	6	20
18 000	6	20

Approved Capacities

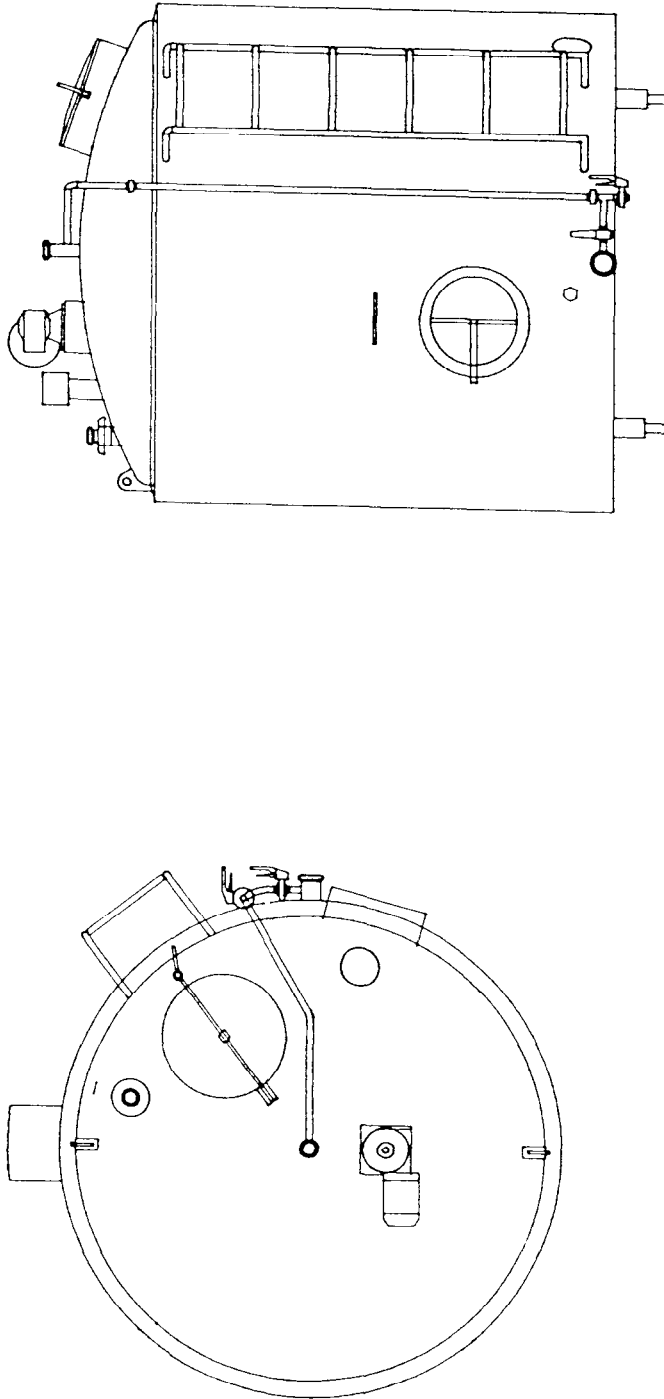
## TEST PROCEDURE

Instruments should be tested in conjunction with any relevant tests specified in the Inspector's Handbook.

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

The maximum permissible error for farm milk tanks incorporating a sight-gauge is  $\pm 1$  scale interval.

FIGURE 8/41 - 1



Typical Model V Tank - Dome-top Type

FIGURE 8/41 - 2

