CANCELLED

NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 5/6E/9

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

Diessel Model RZ 3C-65-P1 Milk Flowmetering System

submitted by APV Bell Bryant Pty Ltd
352 Macaulay Road
Kensington Vic 3031.

CONDITIONS OF APPROVAL

General:

The approval of the pattern is subject to review on or after 1/11/90.

The approval of the variant is subject to review on or after 1/11/86.

Instruments purporting to comply with the pattern shall be marked NSC No 5/6E/9.

Instruments purporting to comply with the variant shall be marked NSC No P5/6E/9.

This approval may be withdrawn if instruments are constructed and used other than as described in the drawings and specifications lodged with the Commission.

The Commission reserves the right to examine any instrument purporting to comply with this approval.

Special:

Any additional auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0.

For Provisional Variant 1:

Each system is to be tested in a manner approved by the Commission at intervals of approximately 3 months; such tests are to be arranged by the submittor and the results forwarded to the Commission.

In the event of suitable test results not being received by the Commission, or of unsatisfactory performance, the approval may be withdrawn.

Signed

K Adams

Acting Executive Director

Descriptive Advice

Pattern: approved 10/10/85

. Diessel model RZ 3C-65-P1 milk flowmeter with mechanical indicator and ticket printer. The instrument may be vehicle mounted.

...../2

Variant: provisionally approved 10/10/85

1. With maximum and minimum flow rates of 1000 L/min and 600 L/min respectively.

Technical Schedule No 5/6E/9 describes the pattern and provisional variant 1.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 5/6E/9 dated 22/11/85
Technical Schedule No 5/6E/9 dated 22/11/85
Test Procedure No 5/6E/9 dated 22/11/85
Figures 1 to 3 dated 22/11/85

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 5/6E/9

Pattern: Diessel Model RZ 3C-65-P1 Milk Flowmetering System

Submittor: APV Bell Bryant Pty Ltd
352 Macaulay Road
Kensington Vic 3031

1. Description of Pattern

A milk flowmetering system (Figures 1 and 2) approved for use with maximum and minimum flow rates of 800 L/min and 480 L/min respectively and with a minimum delivery of 400 L.

1.1 The System

(i) A supply tank.

(ii) A pump of either positive displacement or centrifugal type - in the latter case, the pump is mounted lower than the minimum height of the liquid in the supply tank; the supply pipe from the tank has a continuous fall to the pump.

(iii) A strainer and a milk sampler may be fitted.

(iv) A Diessel type 400 gas separator.

(v) A Diessel model RZ 3C-65-P1 rotary piston flowmeter (Figure 3) with zero start mechanical indicator and ticket printer. The indicator consists of five mechanical wheels, the right-hand wheel of which is marked and numbered 0 to 9 in 1 litre increments. The ticket printer prints five decades in 1 litre increments.

(vi) A spring loaded non-return valve located adjacent to and downstream of the meter.

1.2 Markings

The following information shall be clearly and permanently marked on one or more permanently attached nameplates:

Manufacturer's name or mark	
Model number	
Serial number	
NSC approval number	NSC No 5/6E/9
Maximum flow rate in the form	..... L/min
Minimum flow rate in the form	..... L/min
Minimum delivery in the form	 L
Priming quantity in the form	 L
Approved for use with MILK	

1.3 Verification Provision

Provision is made for the application of a verification mark.

2. Description of Provisional Variant 1

With maximum and minimum flow rates of 1000 L/min and 600 L/min respectively.

TEST PROCEDURE No 5/6E/9

The instrument is to be tested with milk and the system is either primed before commencing the delivery, or the priming quantity marked on the data plate is added to the quantity measured.

Complete one or more deliveries and check the volume indicator against the actual delivered volume. The results shall be within the maximum permissible errors as set out in Document 118.

1. Empty Compartment Test

Either;

(a) Allow the supply to run dry during a test delivery; stop the pump motor and refill or change either the supply tank or the proving measure, then start the pump motor to allow the delivery into the proving measure to continue, or

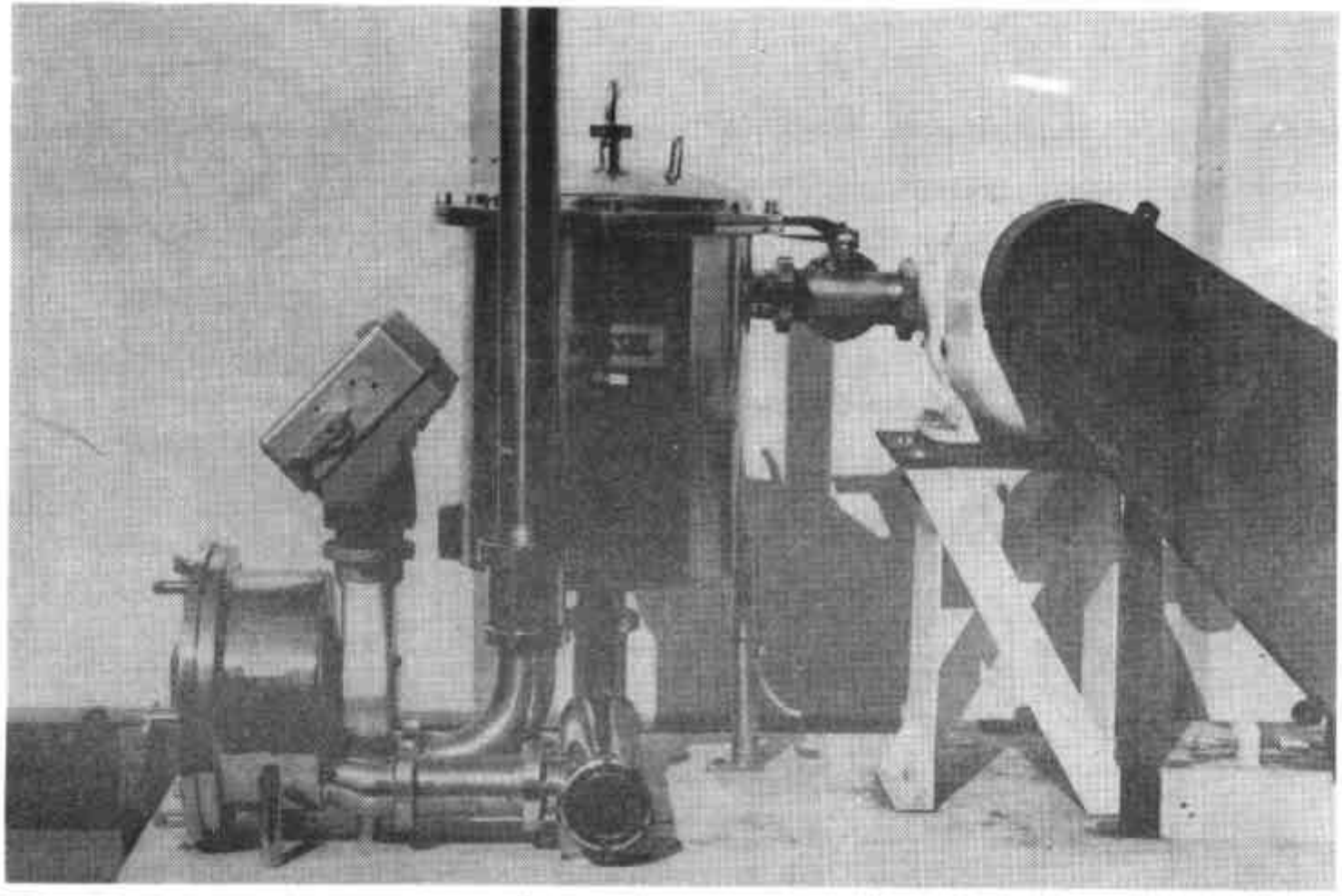
(b) Allow the proving measure to run dry during a test delivery.

Note: This test should only be carried out where it could be expected that a tank will be completely emptied during a normal day's delivery.

2. Syphoning Test

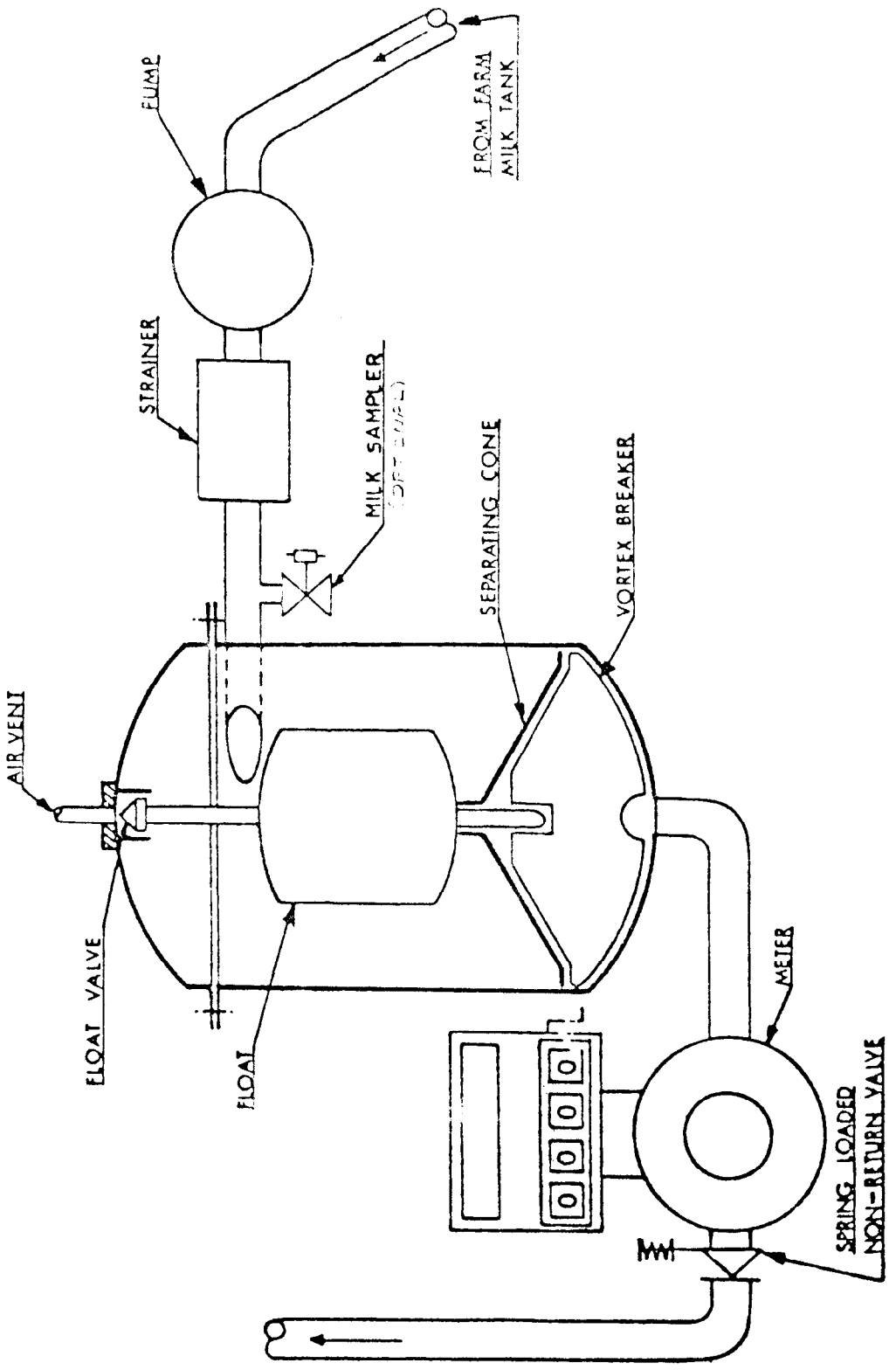
To test for syphoning or gravitational feed, stop the pump during a delivery and observe that flow of milk has stopped.

FIGURE 5/6E/9 - 1



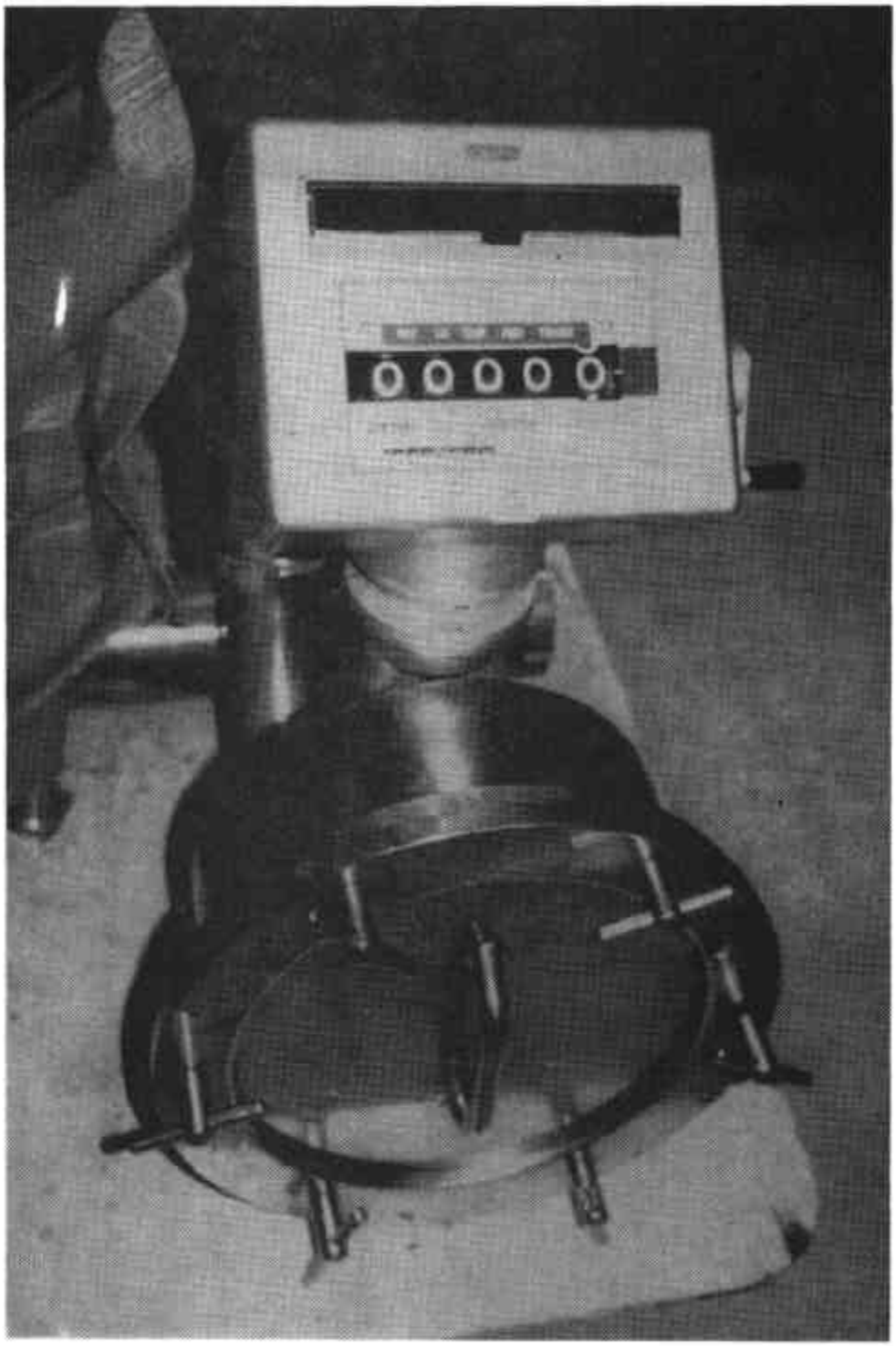
Diessel Milk Flowmetering System

FIGURE 5/6E/9 - 2



Schematic of System

FIGURE 5/6E/9 - 3



Diessel RZ 3C-65-P1 Milk Meter