



NATIONAL STANDARDS COMMISSION

G.H.
5/6B/77
18/2/88

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 5/6B/77

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

Fisher and Porter 10D1475 Series Sullage Flowmetering System

submitted by Warringah Shire Council
 Civic Centre
 Pittwater Road
 Dee Why NSW 2099.

CONDITIONS OF APPROVAL

General:

This approval is subject to review on or after 1/10/92.

This approval expires in respect to new instruments on 1/10/93.

Instruments purporting to comply with this approval shall be marked NSC No 5/6B/77.

This approval may be withdrawn if instruments are constructed other than as described in the drawings and specifications lodged with the Commission.

Special:

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

Signed

Executive Director

Descriptive Advice

Pattern: approved 16/9/87

- Fisher and Porter 10D1475 series sullage flowmetering system.

Technical Schedule No 5/6B/77 describes the pattern.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 5/6B/77 dated 18/2/88
Technical Schedule No 5/6B/77 dated 18/2/88 (including Test Procedure)
Figures 1 and 2 dated 18/2/88



NATIONAL STANDARDS COMMISSION

5/6B/77
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TECHNICAL SCHEDULE No 5/6B/77

Pattern: Fisher and Porter 10D1475 Series Sullage Flowmetering System.

Submittor: Warringah Shire Council
Civic Centre
Pittwater Road
Dee Why NSW 2099.

1. Description of Pattern

A vehicle-mounted electronic flowmetering system using a Fisher and Porter 10D1475 series mini-MAG magnetic flowmeter (Figure 1) which is approved only for use as a sullage meter and with a maximum flow rate of 500 L/min.

1.1 Components

The system (Figure 2) comprises:

- (a) A Fisher and Porter series 10D1475 mini-MAG magnetic flowmeter with an integral signal converter and a 50 mm diameter meter (Figure 1).
- (b) A Fisher and Porter model 52FT1000 two wire indicating totaliser (Figure 1).
- (c) A priming valve.
- (d) A centrifugal pump and priming chamber.
- (e) A road tanker.

1.2 Operating Method

The operating method of the system is as follows:

- 1. Start engine and engage power take-off.
- 2. Hook up to service (supply).
- 3. Open priming valve.
- 4. Set engine revolutions.
- 5. Observe meter and set indicator to zero when suction starts.
- 6. Close priming valve.
- 7. When flow ceases:
 - (a) read meter and record reading on customer docket;
 - (b) reduce revolutions; and
 - (c) disengage power take-off.
- 8. Disconnect hose, move to next service and repeat procedure.

1.3 Markings

Instruments are marked with the following data, together on one or more permanently attached nameplates:

Manufacturer's name or mark	
Meter model	10D1475
Serial number	
NSC approval number	NSC No 5/6B/77
Maximum flow rate	500 L/min
Type of liquid for which meter is verified	Sullage

1.4 Verification Provision

Provision is made for a verification mark to be applied.

TEST PROCEDURE No 5/6B/77

The submittor shall provide a testing facility for periodic recalibration of the instruments using the operating procedure in the Technical Schedule.

Note: As the instrument accuracy depends to some extent on the operator control, no negative maximum permissible error is specified, i.e. the meter shall not read greater than the volume delivered by more than 2%, but may read less than the volume delivered.



National Standards Commission

NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 5/6B/77

CHANGE No 1

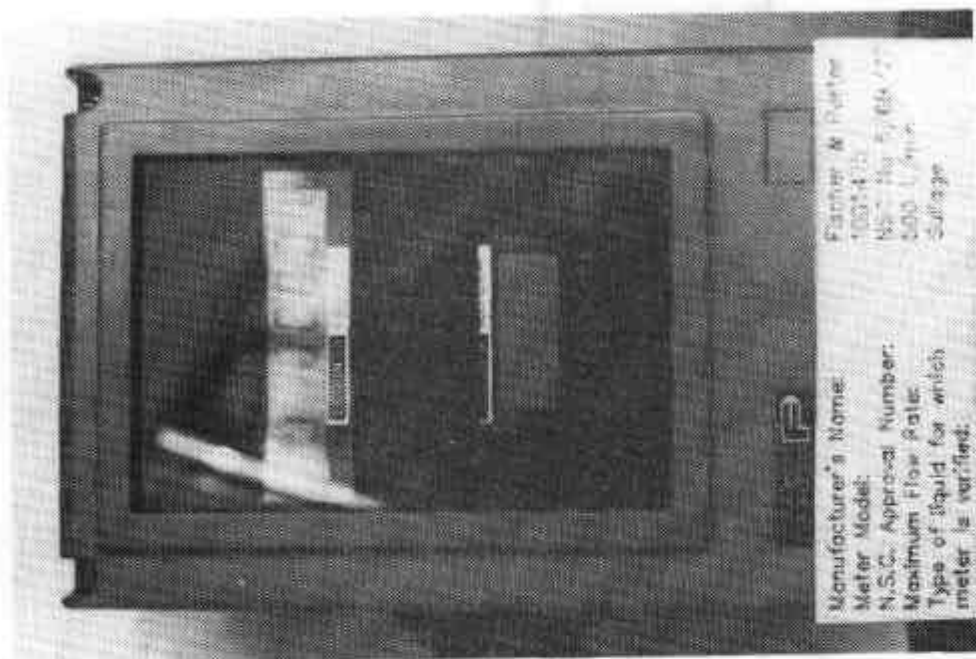
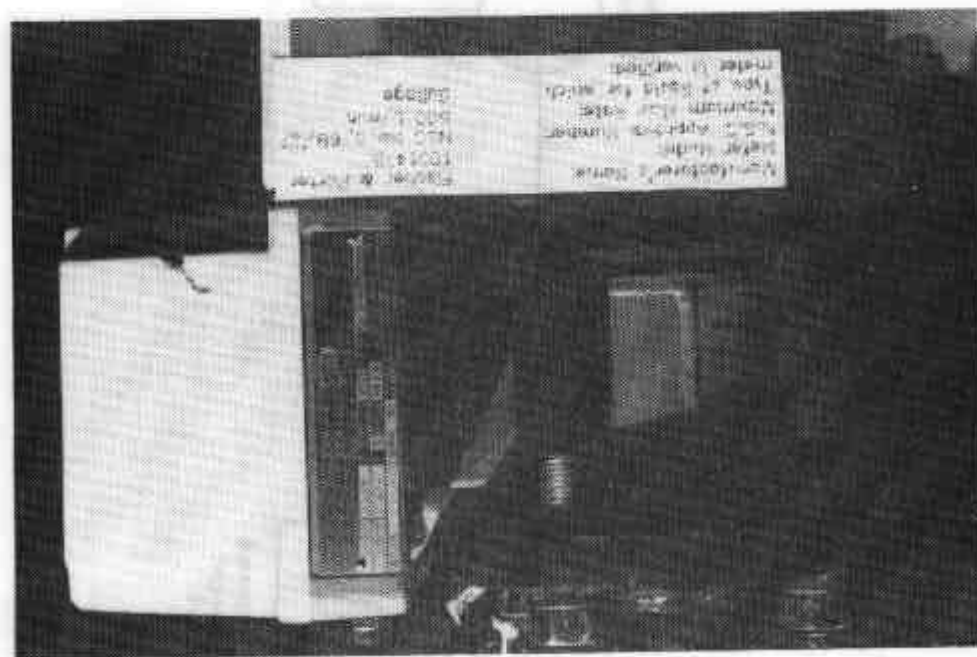
The following changes are made to the approval documentation for the
Fisher and Porter 10D1475 Series Sullage Flowmetering System

submitted by Warringah Shire Council
Civic Centre
Pittwater Road
Dee Why NSW 2099.

In Certificate and Technical Schedule No 5/6B/77 both dated 18/2/88:

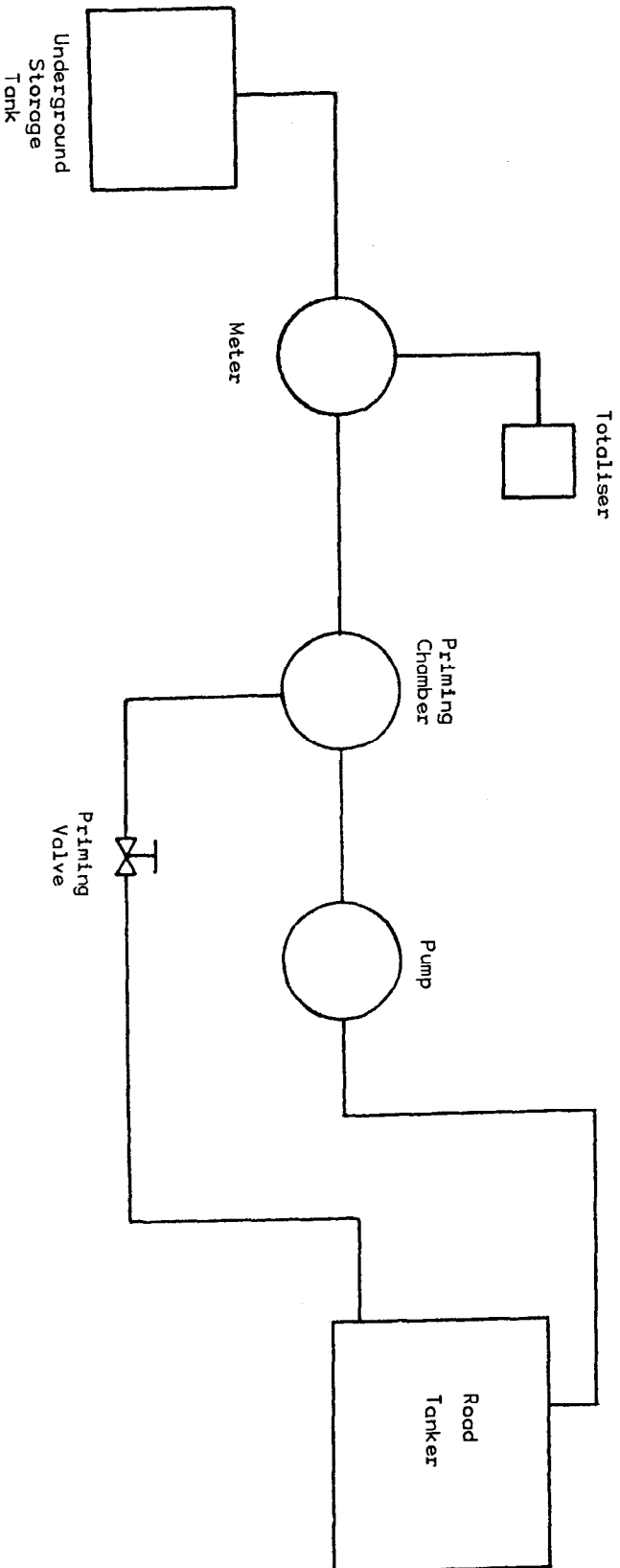
- (a) Amend all references to "Fisher and Porter" to read "Fischer & Porter".
- (b) In the Technical Schedule;
 - (i) Amend clause 1.2 Operating Method by altering Item 5 to read:
"Set Indicator to zero before flow through meter starts."
 - (ii) Replace the Test Procedure with the following:
"Instruments should be tested in accordance with any relevant tests specified in the Inspector's Handbook."
Maximum Permissible Errors at Verification/Certification
The maximum permissible error applicable is $\pm 2\%$."

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.



Showing Meter And Indicator

FIGURE 5/68/77 - 2



Schematic Diagram Of A Typical System