

National Standards Commission



Supplementary Certificate of Approval

No S242

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

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

Gilbarco Model DK04717 Driveway Flowmeter Filter

submitted by Gilbarco Aust. Ltd
12-38 Talavera Road
North Ryde NSW 2113.

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

A handwritten signature in black ink, appearing to read 'J. Birch', is written over a faint circular stamp.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/4/93
This approval expires in respect of new instruments on 1/4/94.

Instruments purporting to comply with this approval shall be marked NSC No S242 and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S242 in addition to the approval number of the instrument.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation 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.

DESCRIPTIVE ADVICE

Pattern: approved 28/3/88

- . A Gilbarco model DK04717 flowmeter filter for use in any Commission-approved driveway flowmetering system.

Technical Schedule No S242 describes the pattern.

Variant: approved 10/2/92

1. Velcon VF-31 or VF-61 series filters.

Technical Schedule No S242 Variation No 1 describes variant 1.

FILING ADVICE

Supplementary Certificate of Approval No S242 dated 27/7/88 is superseded by this Certificate and may be destroyed. The documentation for this approval now comprises:

Supplementary Certificate of Approval No S242 dated 28/4/92
Technical Schedule No S242 dated 27/7/88 (incl. Test Procedure)
Technical Schedule No S242 Variation No 1 dated 28/4/92 (incl.
Notification of Change)
Figure 1 dated 27/7/88
Figure 2 dated 28/4/92



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S242

Pattern: Gilbarco Model DK04717 Driveway Flowmeter Filter.

Submittor: Gilbarco Aust. Ltd
12-38 Talavera Road
North Ryde NSW 2113.

1. Description of Pattern

The pattern is a Gilbarco model DK04717 filter which may be used in any Commission-approved driveway flowmetering system, and is designed for full flow filtering of liquid hydrocarbon products, except LPG. The filter is an "add-on" in-line unit which is normally external to the housing (Figure 1), and which shall be between the normal outlet point from the meter and the fitted outlet device (e.g. hose or fixed pipework).

1.1 Specifications

While the filter is primarily designed for operation with instruments dispensing distillate products operating over flow rates of 15 L/min to 95 L/min, it may be used with any product meeting the specifications below.

The filter is suitable for use with products with a viscosity range of 1.0 to 20 mPas up to a flow rate of 95 L/min and with the pump providing a maximum pressure of not more than 350 kPa.

1.2 Markings

Instruments are marked with the following data, together in one location:

| | |
|-----------------------------|----------------------|
| Manufacturer's name or mark | |
| Model number | |
| NSC approval number | NSC No S242 |
| Pressure rating | 350 kPa |
| Flow rate range | 15 L/min to 95 L/min |

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests in the Inspector's Handbook and in conjunction with any tests specified in the approval documents for the driveway flowmeters to which this instrument is connected.

The results shall not exceed the maximum permissible errors specified in Document 118, Second Edition, October 1986.



National Standards Commission

TECHNICAL SCHEDULE No S242

VARIATION No 1

Pattern: Gilbarco Model DK04717 Driveway Flowmeter Filter.

Submittor: Gilbarco Aust. Ltd
12-38 Talavera Road
North Ryde NSW 2113.

1. Description of Variant 1

A Velcon VF-31 series or VF-61 series filter in lieu of the filter described as the pattern.

While the filters are primarily designed for operation with instruments dispensing distillate, they may be used with any product with a viscosity range of 1.0 to 20 mPa.s, when used within the specifications below:

- The VF-31 series may be used at flow rates from 15 L/min up to 55 L/min, and with the pump providing a maximum pressure of not more than 862 kPa.
- The VF-61 series may be used at flow rates up to 180 L/min, and with the pump providing a maximum pressure of not more than 1034 kPa.

Any model in either series may have a variety of suffixes.

Figure 2 shows a typical installation.

NOTIFICATION OF CHANGE

In the Test Procedure issued as part of Technical Schedule No S242 dated 27/7/88, the 2nd paragraph (referring to maximum permissible errors) should be replaced by the following:

"The maximum permissible errors applicable are those applicable to the system to which the instrument approved herein is fitted, as stated in the approval documentation for the system."

FIGURE S242 - 1



Typical Filter Installation

FIGURE S242 - 2



Typical Installation Using a Velcon VF Series Filter