



Australian Government

National Measurement  
Institute

Bradfield Road, West Lindfield NSW 2070

## Supplementary Certificate of Approval

### No S242B

Issued by the Chief Metrologist under Regulation 60  
of the  
National Measurement Regulations 1999

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

Velcon Model VF-31 Filter for Fuel Dispensers for Motor Vehicles

submitted by            Gilbarco Australia Limited  
                                 20 Highgate Street  
                                 Auburn    NSW    2144

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI R 117 Measuring Systems for Liquids Other than Water, dated June 2011.

This approval becomes subject to review on **1/08/18**, and then every 5 years thereafter.

#### DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – interim certificate issued	29/07/02
1	Pattern & variant 1 approved – certificate issued	7/10/02
2	Pattern & variant 1 reviewed – notification of change issued	22/05/08
3	Pattern & variants 1 & 2 reviewed & updated – certificate issued	31/05/13

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI (or NSC) S242B' and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI (or NSC) S242B' in addition to the approval number of the instrument, and only by persons authorised by the submittor.

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 National Measurement Institute (NMI) 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 document NMI P 106.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.



**Dr A Rawlinson**

## TECHNICAL SCHEDULE No S242B

### 1. Description of Pattern approved on 29/07/02

The pattern is a Velcon model VF-31 filter which may be used in any NMI-approved Marconi/Gilbarco fuel dispenser for motor vehicles. The filter is installed outside the fuel dispenser housing, and downstream of the meter (Figure 1).

#### 1.1 Field of Operation

The filter may be used with liquid hydrocarbon products (except LPG) at flow rates up to the maximum specified in the NMI approval documents for the fuel dispenser to which the filter is fitted, provided this does not exceed the flow rate value listed below.

- Maximum flow rate,  $Q_{max}$  55 L/min
- Maximum pressure of the liquid,  $P_{max}$  862 kPa

#### 1.2 Markings

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

Manufacturer's name or mark	Velcon
Model number	.....
NSC approval number	NMI (NSC) No S242B
Pressure rating	..... kPa
Maximum flow rate	..... L/min

#### 1.3 Sealing and Provision

The filter unit is sealed to prevent any drainage of the product between the inlet of the filter and the nozzle of the fuel dispenser.

### 2. Description of Variant 1 approved on 29/07/02

The Velcon model VF-61 filter which may be used up to a maximum flow rate of 180 L/min and with a maximum liquid pressure of 1034 kPa.

## TEST PROCEDURE No S242B

Instruments should be tested in accordance with any tests included in the approval documentation for the system in which the pattern is fitted, and in accordance with any relevant tests specified in the National Instrument Test Procedures.

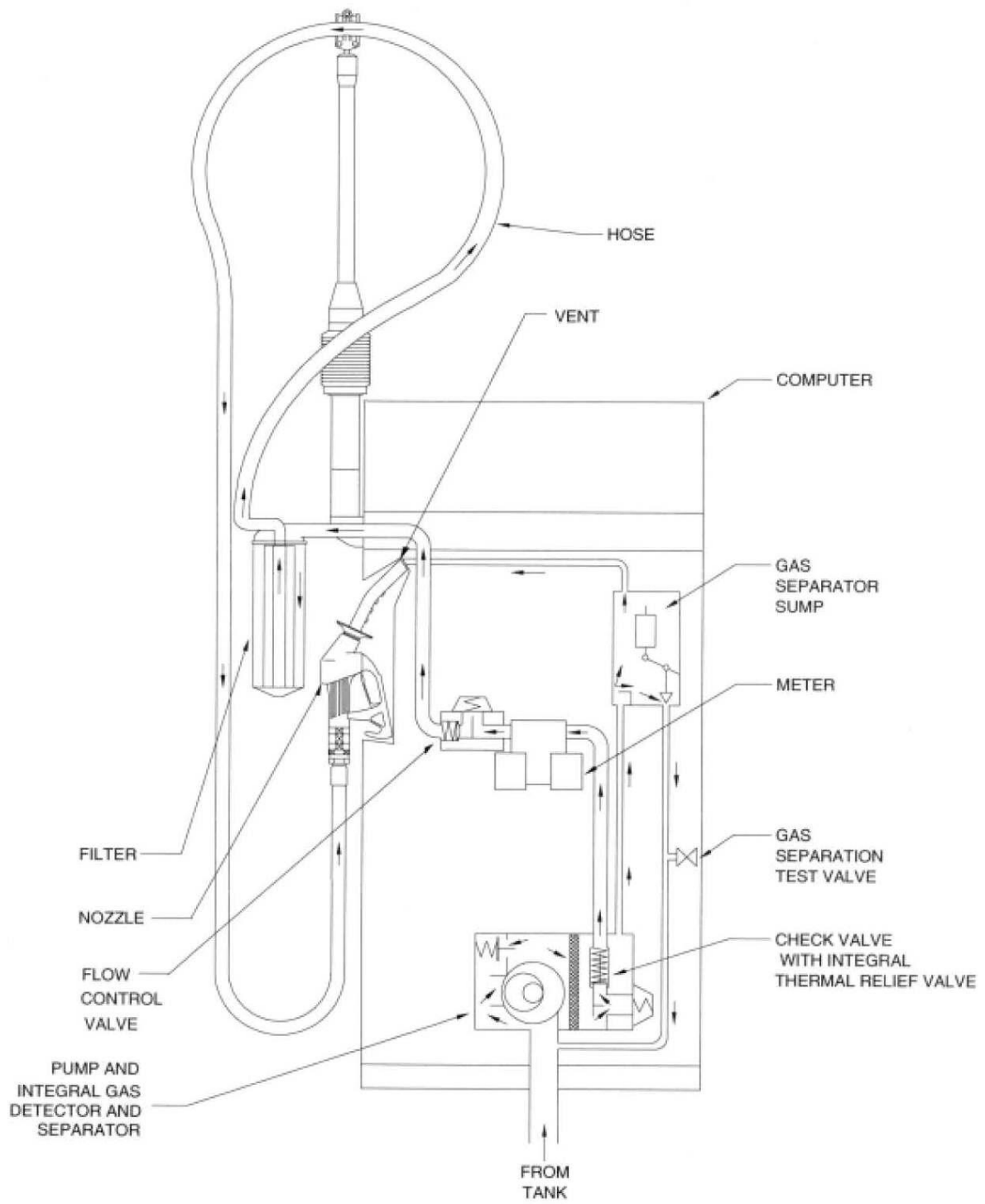
The instrument shall not be adjusted to anything other than as close as practical to zero error, even when these values are within the maximum permissible errors.

#### Maximum Permissible Errors

The maximum permissible errors applicable are those applicable to the fuel dispensers to which the instrument approved herein is fitted, as stated in the approval documentation for the fuel dispensers or in Schedule 1 of the *National Trade Measurement Regulations 2009*.

When the filter is changed the system is required to be primed with liquid up to the nozzle, and then the filter is to be sealed.

FIGURE S242B – 1



Typical Installation of Velcon Fuel Dispenser Filter

~ End of Document ~