



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval
No S510

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

CEM-TeK Model CENTURION I Filter for Fuel Dispensers for Motor Vehicles

submitted by Gilbarco Australia Pty Ltd
 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 117-1,
Measuring Systems for Liquids Other than Water, dated July 2004.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 July 2013, and then every
5 years thereafter.

Instruments purporting to comply with this approval shall be marked with
approval number 'NMI S510' and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this
approval shall be marked 'NMI S510' in addition to the approval number of
the instrument.

It is the submitter'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.

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

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

DESCRIPTIVE ADVICE

Pattern: approved 12 June 2008

- A CEM-TeK model CENTURION I filter for use with approved Gilbarco (or Marconi) fuel dispensers for motor vehicles. May also be known as Central Illinois Manufacturing Company instruments of the same model.

Variant: approved 12 June 2008

1. Certain other models of the CEM-TeK Centurion series of filters.

Technical Schedule No S510 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S510 dated 13 June 2008
Technical Schedule No S510 dated 13 June 2008 (incl. Test
Procedure)
Figure 1 dated 13 June 2008

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



TECHNICAL SCHEDULE No S510

Pattern: CEM-TeK Model CENTURION I Filter for Fuel Dispensers for Motor Vehicles

Submitter: Gilbarco Australia Pty Ltd
20 Highgate Street
Auburn NSW 2144

1. Description of Pattern

The pattern is a CEM-TeK (*) model CENTURION I filter which may be used in any approved Gilbarco (or Marconi) fuel dispenser for motor vehicles. The filter is installed outside the fuel dispenser housing, and downstream of the meter (Figure 1).

(*) May also be known as Central Illinois Manufacturing Company instruments of the same model.

1.1 Field of Operation

The filter may be used with any liquid hydrocarbon (except LPG) for which the dispenser is approved at flow rates up to the maximum specified in the approval documents for the fuel dispenser to which the filter is fitted. When the filter is changed the system is required to be primed with liquid up to the nozzle.

1.2 Descriptive Markings

Fuel dispensers incorporating a component purporting to comply with this approval shall be marked with the pattern approval mark 'NMI S510' in addition to all other required markings as set out in the approval documentation for the dispenser.

1.3 Sealing and Verification/Certification 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.

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.

A destructible adhesive label should be applied after verification/certification.

2. Description of Variant 1

Certain other models of CEM-TeK (*) Centurion series filters (having maximum flow rates) as listed below:

Models II (113 L/min), III (227 L/min) and IV (340 L/min).

(*) May also be known as Central Illinois Manufacturing Company instruments of the same model.

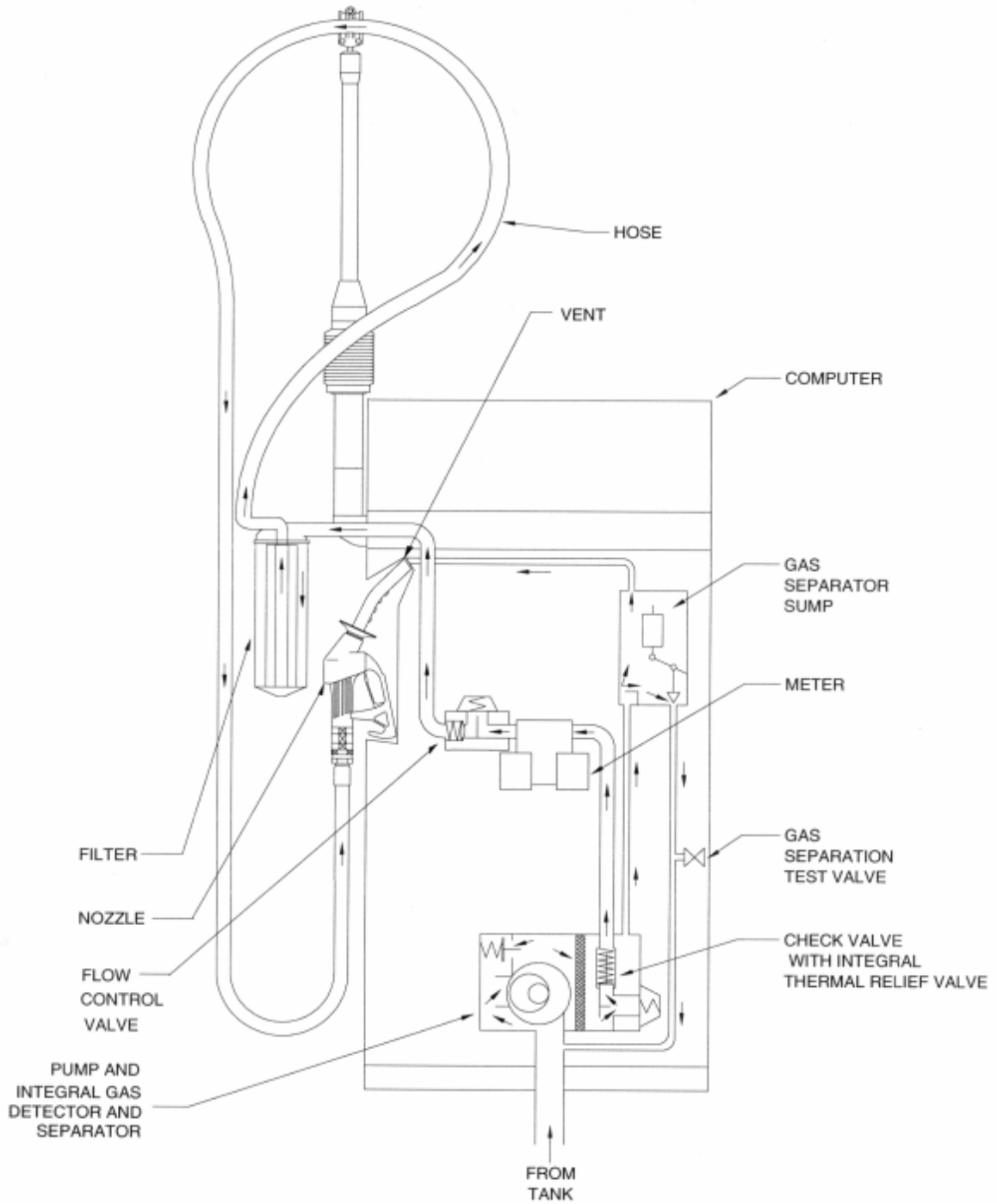
TEST PROCEDURE

Instruments shall be tested in conjunction with any tests specified in the approval documentation for the instruments to which the pattern is connected, as appropriate, and in accordance with any relevant tests specified in the Uniform Test Procedures.

The maximum permissible errors applicable are those applicable to the fuel dispenser to which the instrument approved herein is fitted.

If a filter is installed after the fuel dispenser has been verified/certified, then the dispenser must be tested and certified again after the filter has been installed. Similarly if the filter is removed then the dispenser must again be tested and certified.

FIGURE S510 – 1



Typical CEM-TeK CENTURION Series Filter Installation