

HAFFMANS MK-2 CPM® FILTER TESTER

PRODUCT LEAFLET



GENERAL PRODUCT INFORMATION

Effective sterile filtration, to prevent contamination, spoilage and product loss, is an essential part of your production process. The CPM® Filter Tester, type MK-2, provides easy testing of CPM sterile filter elements as well as most conventional filter cartridges. When used with CPM sterile filters, the MK-2 allows for in-line testing.

Test method

The test method employed by the MK-2 is known as the "Go/No Go" Test and provides very fast and accurate results. To simulate micro-organisms, a microfog or series of smoke-like particles is generated within the filter tester from non-toxic saturated synthetic hydrocarbons. These hydrocarbons form micro drops of 0.2 to 2.5 µm.

This fog is then applied under pressure from an integrated compressor to the filter being tested. The fine fog particles quickly penetrate even the smallest leaks in the filter providing immediate visual identification.

A filter test can be performed in less than a minute. The procedure is simple and requires no special knowledge or skills. The filter tester automatically shuts off using a timer that can be set to any interval between 1 and 15 minutes. The MK-2 has a built-in delay of 30 seconds before the compressor is activated ensuring there is sufficient compressed air directing the microfog at the filter element being tested.

After the filter test, the micro drops evaporate without leaving any trace in the filter element.

Sterilization of the filter element after the filter test is recommended.

FEATURES AND BENEFITS

- Cost savings
 - On labor - the filter test, including all preparations, can be performed in less than 2 minutes
 - On utilities - no water or compressed air from an external source required
 - On resources – test does not damage the filter element
- Easy to perform test method, no special knowledge or skills required
- High security
 - Clear detection of filter element defects (Go/No Go)
 - Proven test method
- In-line testing ability
- Compact solution – you do not need a multi-part test set-up, just the filter tester

APPLICATIONS

- In all industries, suitable for all CPM sterile filters and most conventional sterile filter cartridges

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TECHNICAL DATA

Dimensions

300 x 250 x 200 (LxWxH mm)

Weight

18 lbs/8.1 kg

Operating Voltage

230 V/50 Hz or 110 V/60 Hz

Connection point for test filter

R-1" inner thread

Power consumption

approx. 300 W

Maximum testing pressure

0.7 barg/10 psig

SCOPE OF SUPPLY

- Filter Tester, type MK-2
- Smoke liquid (Aerosol)
- Silicone grease (100 g)

OPTIONS

- Filter element adapters for CPM filter elements and conventional filter cartridges, connection to be specified



Filter element adapters



HAFFMANS BV

P.O. BOX 3150 NL-5902 RD VENLO, NETHERLANDS INFO@HAFFMANS.NL WWW.HAFFMANS.NL

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