HAFFMANS MK-3
CPM® FILTERTESTER

GENERAL PRODUCT INFORMATION

Effective sterile filtration, to prevent contamination, spoilage and product loss, is an essential part of your production process. The Pentair Haffmans CPM FilterTester, type MK-3, provides easy testing of CPM sterile filter elements as well as most conventional filter cartridges. When used with CPM sterile filters, the MK-3 allows for in-line testing.

Test method

The test method employed by the MK-3 is known as the "Go/No Go" Test and provides very fast and accurate results. To simulate microorganisms, a microfog or series of smoke-like particles is generated within the FilterTester 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.

A digital timer is integrated in the FilterTester. After adjusting the time and operating the start/stop button the creation of the microfog starts. The integrated pump starts automatically with a delay of 5 seconds and leads the microfog under low pressure to the internal part of 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.

CUSTOMER BENEFITS

- **Cost saving**
  - **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 – the 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 FilterTester**

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 220 x 205 (LxWxH mm), excl. filter element connection

Weight
12 lbs/5.2 kg

Operating Voltage
wide range 80-240 V/50 - 60 Hz

Connection point for test filter
R-1" inner thread

Power consumption
approx. 60 W

Maximum testing pressure
1.0 barg/14.5 psig

SCOPE OF SUPPLY

- FilterTester, type MK-3
- Power supply module
- Mains cable for power supply module
- Smoke liquid (Aerosol)
- Silicone grease (100 g)
- Instruction Manual

OPTIONS

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

PENTAIR

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