

Pyridine and Basic Vapors Filter Breakthrough Indicator (BTI LFF V) (PN: 1109)



Manual



1. Application

The Breakthrough Indicator (PN: 1109) is qualitative (yes/no) colorimetric indicator for the exhaustion and end-of-service life of low-flow filters. The indicator is designed to provide real-time indication of the breakthrough of pyridine and basic vapors such as ammonia and aliphatic amines.

2. Specifications

2.1. Overall Specification

- | | |
|------------------------------|--|
| a. Weight: | 2.8g (0.1oz) |
| b. Dimensions: | 50mm (2.0in), diameter: 9.5mm (0.375in) |
| c. Threading: | M10 x 1mm |
| d. Operating temperature: | 4°C to 40°C (39°F to 104°F) |
| e. Operating humidity: | 5% RH to 85%RH |
| f. Minimum detectable limit: | 1ppm-hr. at face velocity 30 cm/sec |
| g. Color change: | Yellow to green or blue |
| h. Storage temperature: | 4°C to 25°C, (39°F to 77°F) |
| i. Service life: | 1 year |
| j. Shelf life: | 14 Months at 4°C to 25°C, (39°F to 77°F) |

2.2. Cross interferences

Acidic vapors in high concentrations impair the performance of the basic vapors breakthrough indicator.

3. Operating Instructions

- Ensure that packaging pouch is intact.
- Open packaging pouch by tearing off the top part from one of side notches.
- Remove one Breakthrough Indicator from packaging pouch, reseal pouch.
- Remove the 3/8" plug from filter's outlet lid.
- Remove the protective red plug to activate the breakthrough indicator.
- Attach Breakthrough Indicator into filter outlet (closed pores foam adapter is required; please contact us for details).



Caution: Only hand-tie indicator into filter outlet

- Replace filter when the Breakthrough Indicator changes color green or blue.



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