



# Allyl Bromide Vapor Filter Breakthrough Indicator (PN: 131)



*Manual*



### 1. Application

The Allyl Bromide Breakthrough Indicator (BTI LFF) (PN: 131) is qualitative (yes/no) colorimetric indicator for the saturation and end-of-service life of filters. The indicator is designed to provide real-time indication of the breakthrough of allyl bromide vapor.

### 2. Specifications

a. Weight:	4.4g (0.16oz)
b. Dimensions:	79mm (3.1in), diameter: 10mm(0.39in)
c. Operating temperature:	4°C to 40°C (39°F to 104°F)
d. Operating humidity:	5% RH to 85%RH
e. Minimum detectable limit:	5ppm-hr at 30 cm/sec face velocity
f. Color change:	Yellowish brown to dark brown or green
g. Storage temperature:	4°C to 25°C, (39°F to 77°F)
h. Shelf life:	14 months at 4°C to 25°C, (39°F to 77°F)
i. Service life:	1 year

Cross interferences: Acrolein and aldehydes found in cigarette smoke react with approximately the same sensitivity. No other interferences are known.

### 3. Operating Instructions

- Ensure that packaging pouch is intact.
- Open packaging pouch by tearing off the top part from one of side notches.
- Remove the Breakthrough Indicator from the packaging pouch and reseal Pouch.
- Remove the protective red plug to activate the breakthrough indicator.
- Attach Breakthrough Indicator into filter outlet (close pore foam adapter is required; please contact us for details).
- Replace filter when the Breakthrough Indicator changes color to dark brown or green.



Filter is good



Replace filter