

# CHEMTEQ<sup>®</sup>

## Basic Vapors Breakthrough Indicator Sticker (BTIS)

(PN: 174-0000)



*Manual*



### 1. Application

The Basic Vapors BTIS (PN: 174-0000) is qualitative (yes/no) colorimetric indicator for the saturation and end-of-service life of ductless hood filters. The Indicator is designed to provide real-time indication of the breakthrough of basic vapors.

### 2. Specifications

- |                              |  |
|------------------------------|--|
| a. Weight:                   | 0.4g (0.02oz)                            |
| b. Dimensions:               | 2.8mm (0.11in), $\phi$ : 31.8mm (1.25in) |
| c. Operating temperature:    | -20°C to 55°C (-4°F to 131°F)            |
| d. Operating humidity:       | 5% RH to 85%RH                           |
| e. Minimum detectable limit: | 4ppm-min at 30 cm/sec face velocity      |
| f. Color change:             | Orange to green to blue                  |
| g. Storage temperature:      | 4°C to 25°C, (39°F to 77°F)              |
| h. Shelf life:               | 1 year at 4°C to 25°C, (39°F to 77°F)    |
| i. Service life:             | 14 months                                |

Cross interferences: Acidic vapors in high concentrations impair the performance of the Bases breakthrough indicator. 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 indicator sticker from the packaging pouch.
- Peel off the protective liner to expose the bottom adhesive (Figure 1).



**Caution: Do not touch bottom adhesive or exposure area**

- Hold the sticker from the edges, as shown in Figure 2, and place it on center clean area of the filter's outlet with the reading area (glossy surface) of the sticker facing up.
- Press firmly to adhere sticker to the filter's outlet Figure 3.
- Replace filter when the reading area of the indicator changes color to green or blue.

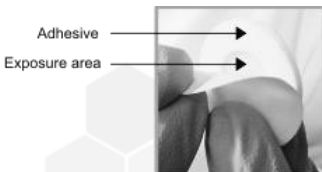


Figure 1



Figure 2



Figure 3