

## Hydrogen Sulfide Breakthrough Indicator For Carbon Absorbers H<sub>2</sub>S BTI 3 WP (PN: 445)

*Manual*



### 1. Application

The Hydrogen Sulfide BTI 3 (PN: 445) is qualitative (yes/no) colorimetric indicator for the end-of-service life of carbon absorbers and filters. It is designed to provide real-time indication of the breakthrough of hydrogen sulfide gas. Water has no effect on the breakthrough indicator.

### 2. Specifications

- |                              |  |
|------------------------------|--|
| a. Weight:                   | 204.5g (7.2oz)                           |
| b. Dimensions:               | 11.43cm (4.5in), diameter 7.62cm (3.0in) |
| c. Inlet dimensions:         | 2.5" MNPT                                |
| d. Operating temperature:    | -20°C to 65°C (-4°F to 149°F)            |
| e. Operating humidity:       | 5% RH to 90%RH                           |
| f. Minimum detectable limit: | 10ppm-hr at 30 cm/sec face velocity      |
| g. Color change:             | Green to black                           |
| h. Storage temperature:      | 4°C to 25°C, (39°F to 77°F)              |
| i. Shelf life:               | 2 years at 4°C to 25°C, (39°F to 77°F)   |
| j. Service life:             | 2 years                                  |
| k. Light effect:             | None                                     |

Cross interferences: No 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.
- Remove the 2.5" threaded plug from the outlet lid of carbon absorber.
- Remove the protective red plug to activate the breakthrough indicator.
- Thread the Breakthrough Indicator into the 2.5" threaded carbon absorber outlet lid.



**Caution: Only hand tighten indicator into carbon absorber**

- Replace carbon absorber when the Breakthrough Indicator changes color or black.

**THE EXHAUSTED HYDROGEN SULFIDE BTI 3 CAN BE REUSED BY REPLACING THE CONSUMED HYDROGEN SULFIDE INDICATOR ASSEMBLY WITH A FRESH INDICATOR ASSEMBLY (PN: 445-1600) AND FRESH ACTIVATED CHARCOAL. PLEASE CONTACT US FOR DETAILS.**



Unexposed



Exposed  
Change carbon absorber

**CHEMTEQ**<sup>®</sup>