

Halogen Gases Breakthrough Indicator (BTI) For Carbon Absorbers

(PN: 195)



Manual



1. Application

The Halogens BTI (PN: 195) is qualitative (yes/no) colorimetric indicator for the saturation and end-of-service life of carbon absorbers. It is designed to provide real-time indication of the breakthrough of halogen gases.

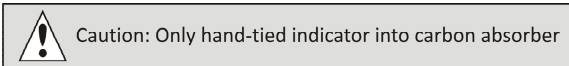
2. Specifications

- | | |
|------------------------------|---|
| a. Weight: | 28g (1.0oz) |
| b. Dimensions: | 89.9mm (3.5in), diameter 24.5mm (1.0in) |
| c. Inlet dimensions: | 3/4" MNPT |
| d. Operating temperature: | -20°C to 55°C (-4°F to 131°F) |
| e. Operating humidity: | 5% RH to 85%RH |
| f. Minimum detectable limit: | 0.5ppm•hr at 30 cm/sec face velocity |
| g. Color change: | Yellow to red or purple |
| h. Storage temperature: | 4°C to 25°C, (39°F to 77°F) |
| i. Shelf life: | 1 year at 4°C to 25°C, (39°F to 77°F) |
| j. Service life: | 1 year |

Cross interferences: Hydrogen chloride & hydrochloric acid vapors at concentrations greater than 0.5 ppm impair the performance of the halogens breakthrough indicator. Halogens concentrations greater than 50 ppm for extended period of time bleaches the halogen 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 the Breakthrough Indicator from the packaging pouch.
- Remove the 3/4" threaded plug from the carbon absorber outlet lid.
- Remove the protective red plug to activate the breakthrough indicator.
- Screw in the Breakthrough Indicator into the 3/4" threaded carbon absorber outlet lid.



- Replace carbon absorber when the Breakthrough Indicator changes color to red or purple.



Filter Is Good



Filter Exhausted
Replace Filter



Filter Over Saturated

