



Hydrogen Sulfide
Breakthrough Indicator
For Carbon Absorbers
 H_2S BTI 3 WP HC
(PN: 447)

Manual



1. Application

The Hydrogen Sulfide BTI 3 (PN: 447) 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. The indicator has high capacity of adsorbing hydrogen sulfide before changing color. 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.



Unexposed



Exposed
Change carbon absorber.

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