

**Hydrogen Sulfide  
Breakthrough Indicator  
For Carbon Absorbers  
H<sub>2</sub>S BTI 3  
(PN: 436)**






***Manual***



### 1. Application

The Hydrogen Sulfide BTI 3 (PN: 436) 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.

### 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:	Light blue  to brown  or 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:	18 months
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.



- Replace carbon absorber when the Breakthrough Indicator changes color to brown 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: 436-1600) AND FRESH ACTIVATED CHARCOAL. PLEASE CONTACT US FOR DETAILS.**



Unexposed



Exposed  
Change carbon absorber

