## CHEMTEQ

Acids Breakthrough Indicator (BTI) For Carbon Absorbers

(PN: 180)



## 1. Application

The Acids BTI (PN: 180) 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 acid vapors.

	2. Specifications
a. Weight:	28g (1.0oz)
b. Dimensions:	89.9mm (3.5in), diameter 24.5mm (1.0in)
c. Inlet dimensions:	%" MNPT
d. Operating temperature:	-20°C to 55°C (-4°F to 131°F)
e. Operating humidity:	5% RH to 90%RH
f. Minimum detectable limit:	4ppm•min at 30 cm/sec face velocity
g. Color change:	Orange to dark red
h. Storage temperature:	4°C to 25°C, (39°F to 77°F)
i. Shelf life:	14 months at 4°C to 25°C, (39°F to 77°F)
j. Service life:	14 months
ross interferences: Basic vapors i	n high concentrations impair the performance of t

Cross interferences: Basic vapors in high concentrations impair the performance of the acid breakthrough indicator. No other interferences are known.

## 3. Operating Instructions

- a. Ensure that packaging pouch is intact.
- b. Open packaging pouch by tearing off the top part from one of side notches.
- c. Remove the Breakthrough Indicator from the packaging pouch.
- d. Remove the  $\chi$ " threaded plug from the carbon absorber outlet lid.
- e. Remove the protective red plug to activate the breakthrough indicator.
- f. Screw in the Breakthrough Indicator into the <sup>3</sup>/<sub>4</sub>" threaded carbon absorber outlet lid.



g. Replace carbon absorber when the Breakthrough Indicator changes color to orange or dark red.





Unexposed

Exposed Change carbon absorber

## CHEMIEQ

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