CHEMTEQ

Basic Vapors Breakthrough Indicator (BTI) For Carbon Absorbers

(PN: 181)



1. Application

The Basic Vapors BTI (PN: 181) 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 basic vapors.

	2. Specifications
a. Weight:	28g (1.0oz)
b. Dimensions:	89.9mm (3.5in), diameter 24.5mm (1.0in)
c. Inlet dimensions:	¾" MNPT [reducer and expander adapters
	are available (not included)]
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:	Yellow to green to blue
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:	1 year
k. Light effect:	For indoor use only.
	Outdoor use: Use with BTI protective sleeve,
	PN: 180-3000. Sold separately.

Cross interferences: Acidic vapors in high concentrations impair the performance of the Bases 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 ³/["] 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 %" threaded carbon absorber outlet lid.



g. Replace carbon absorber when the Breakthrough Indicator changes color to green or blue.





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