

Mercury and Mercury II Compounds Breakthrough Indicator (BTI) For Carbon Absorbers

(PN: 184)



Manual



1. Application

The Mercury Breakthrough Indicator (PN: 184) is qualitative (yes/no) colorimetric indicator for the end-of-service life of carbon absorbers. It is designed to provide real-time indication of the breakthrough of mercury and mercury compounds vapors.

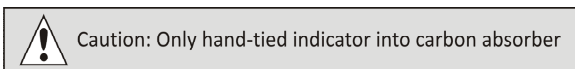
2. Specifications

- a. Weight: 28g (1.0oz)
- b. Dimensions: 89.9mm (3.5in), diameter 24.5mm (1.0in)
- c. Inlet dimensions: ¾" MNPT
- d. Operating temperature: -20°C to 50°C (-4°F to 122°F)
- e. Operating humidity: 5% RH to 90%RH
- f. Minimum detectable limit: 0.5mg/m³•hr. at 30 cm/sec face velocity
- g. Color change: Off white to peach
- h. Storage temperature: 4°C to 25°C, (39°F to 77°F)
- i. Shelf life: 12 months at 4°C to 25°C, (39°F to 77°F)
- j. Service life: 12 months

Cross interferences: Strong oxidizers. 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 ¾" threaded plug from the carbon absorber outlet lid.
- e. Remove the protective red plug to activate the breakthrough indicator.
- f. Thread the Breakthrough Indicator into the ¾" threaded carbon absorber outlet lid.



- g. Replace carbon absorber when the Breakthrough Indicator changes color to peach.



Unexposed



Exposed
Change carbon absorber

