CHEMTEQ

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

(PN: 184)



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 II compounds 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 50°C (-4°F to 122°F)
e. Operating humidity:	5% RH to 90%RH
f. Minimum detectable limit:	0.5mg/m ³ ·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

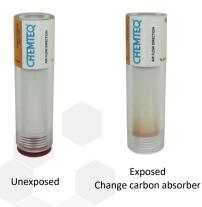
Cross interferences: Strong oxidizers. No other interferences are known.

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 %" 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 %" threaded carbon absorber outlet lid.



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



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