CHEMTEQ

Manua

Aromatic Diisocyanates Breakthrough Indicator (BTI) For Carbon Absorbers

(PN: 182)



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1. Application

The Aromatic Diisocyanates BTI (PN: 182) is qualitative (yes/no) colorimetric indicator for the saturation and end-of-service life of filters and carbon absorbers. It is designed to provide real-time indication of the breakthrough of aromatic diisocyanates. Aromatic diisocyanates include toluene 2,4-diisocyanate (2,4-TDI), toluene 2,6-diisocyanate (2,6-TDI) and 4,4'-methylene diphenyl diisocyanate (MDI).

	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 55°C (-4°F to 131°F)
e. Operating humidity:	5% RH to 80%RH
f. Minimum detectable limit:	4ppb•hr at 30 cm/sec face velocity
g. Color change:	Off white to pink or brown
h. Storage temperature:	4°C to 23°C, (39°F to 73.4°F)
i. Shelf life:	12 months at 4°C to 23°C, (39°F to 73.4°F)
j. Service life:	12 months
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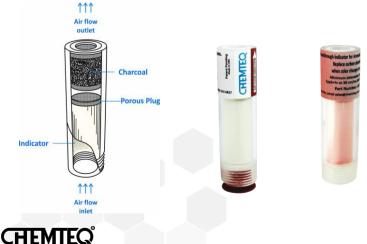
Cross interferences: None known.

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 χ " 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 ¾" threaded carbon absorber outlet lid.

Caution: Only hand tighten indicator into carbon absorber

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



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