CHEMTEQ®

Aliphatic Amines Breakthrough Indicator (BTI) For Carbon Absorbers

(PN: 187)

Manual

1. Application

The Aliphatic Amines BTI (PN: 187) 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 aliphatic amines.

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:	5ppm•hr at 30 cm/sec face velocity
g. Color change:	Yellow to green
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

Cross interferences: Acidic vapors in high concentrations impair the performance of the aliphatic amines 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 ¾" 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 filter into tubing

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

CHEMTEQ®
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