

CHEMTEQ[®]

Chlorine Dioxide
Breakthrough Indicator (BTI)
For Carbon Absorbers
ClO₂ BTI
(PN: 188)

Manual



1. Application

The Chlorine Dioxide Breakthrough Indicator (PN: 188) 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 chlorine dioxide gas.

2. Specifications

- a. Weight: 28g (1.0oz)
- b. Dimensions: 89.9mm (3.5in), diameter 24.5mm (1.0in)
- c. Inlet dimensions: 3/8" 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: 0.3ppm-hr. at 30 cm/sec face velocity
- g. Color change: Off white to gray
- 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
- k. Light effect: For indoor use only.
Outdoor use: Use with BTI protective sleeve, PN: 180-3000. Sold separately.

Cross interferences: Strong oxidizers. No other interferences or limitations 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 the side notches.
- c. Remove the Breakthrough Indicator from the packaging pouch.
- d. Remove the 3/8" 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 3/8" threaded carbon absorber outlet lid.



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



Filter Is Good



Replace Filter

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Chemteq, Inc., 600 West 24th Street, Suite B, Norfolk, Virginia 23517, Tel 757-622-2223, sales@chemteq.net
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www.chemteq.net

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