



Chlorine Dioxide Gas
Breakthrough Indicator
For Carbon Absorbers
ClO₂ BTI 2
(PN: 418)

Manual



1. Application

The Chlorine Dioxide BTI 2 (PN: 418) is qualitative (yes/no) colorimetric indicator for the end-of-service life of carbon absorbers and filters. It is designed to provide real-time indication of the breakthrough of chlorine dioxide gas.

2. Specifications

a. Weight:	129.5g (4.6oz)
b. Dimensions:	11.43cm (4.5in), diameter 5.08cm (2.0in)
c. Inlet dimensions:	1.5" MNPT
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:	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:	None

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

3. Operating Instructions

- Ensure that packaging pouch is intact.
- Open packaging pouch by tearing off the top part from one of side notches.
- Remove the Breakthrough Indicator from the packaging pouch.
- Remove the 1.5" threaded plug from the carbon absorber outlet lid.
- Remove the protective red plug to activate the breakthrough indicator.
- Thread the Breakthrough Indicator into the 1.5" threaded carbon absorber outlet lid.



Caution: Only hand tighten indicator into carbon absorber

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



Unexposed



Exposed
Change carbon absorber



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