

Nitrogen Dioxide Breakthrough Indicator With Auxiliary Filter Trap NO₂ BTI AFT (PN: 669)



Unexposed



Exposed
Change carbon filter

Manual



1. Application

The Nitrogen Dioxide BTI AFT (PN: 669) is a qualitative (yes/no) colorimetric indicator for real-time indication of nitrogen dioxide gas. The indicator is equipped with an auxiliary filter trap to ensure no nitrogen dioxide escapes to the outside environment while the indicator is changing color.

2. Specifications

- | | |
|----------------------------------|---|
| a. Weight: | 118g (4.2oz) |
| b. Dimensions: | |
| Breakthrough indicator (Part A): | 89.9mm (3.5in), diameter 24.5mm (1.0in) |
| Auxiliary filter trap (Part B): | 41mm (1.6in), diameter 81mm (3.2in) |
| c. Inlet dimensions: | ¾" MNPT |
| d. Operating temperature: | -20°C to 65°C (-4°F to 149°F) |
| e. Operating humidity: | 5% RH to 90%RH |
| f. Minimum detectable limit: | 03.ppm-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: | 2 years at 4°C to 25°C (39°F to 77°F) |
| j. Service life: | 2 years |
| k. Sunlight effect: | None |

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

3. Instructions

- Ensure that packaging pouch is intact.
- Open packaging pouch by tearing off the top part from one of the side notches.
- Remove the breakthrough indicator (Part A), Figure 1, and the auxiliary filter trap (part B), Figure 2, from the packaging pouch.
- Screw the breakthrough indicator (Part A), Figure 1 into the auxiliary filter trap (part B), Figure 2 as shown in Figure 3.
- Remove the protective red plugs to activate the breakthrough indicator.
- Screw in the breakthrough Indicator into the ¾" threaded carbon absorber outlet lid. Teflon tap can be used on threads to ensure proper seal.



- Formation of gray color indicates the presence of chlorine dioxide.



Figure 1



Figure 2



Figure 3

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