

Ammonia Breakthrough Indicator With Auxiliary Filter Trap NH₃ BTI AFT (PN: 654)



Unexposed



Exposed
Change carbon absorber

Manual



1. Application

The Ammonia BTI AFT (PN: 654) is qualitative (yes/no) colorimetric indicator for real-time indication of ammonia and vapor. The indicator is equipped with auxiliary filter trap to ensure no ammonia and vapor escape to the outside environment while the indicator 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 50°C (-4°F to 122°F) |
| e. Operating humidity: | 5% RH to 95%RH |
| f. Minimum detectable limit: | 10ppm-hr at 30 cm/sec face velocity |
| g. Color change: | light blue to purple |
| 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: | 18 months |

Cross interferences: None known.

3. 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 (Part A), Figure 1, and the auxiliary filter trap (part B), Figure 2, from the packaging pouch.
- Screw the breakthrough indicator (Part A) into the auxiliary filter trap (part B) 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.



Caution: Only hand tighten indicator into carbon absorber

- Formation of purple color indicates the presence of ammonia vapor.



Figure 1



Figure 2



Figure 3

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