

Aromatic Diisocyanates Breakthrough Indicator With Auxiliary Filter Trap NH₃ BTI AFT (PN: 656)



Unexposed



Exposed
Change carbon absorber

Manual



1. Application

The Aromatic Diisocyanates BTI AFT (PN: 656) is qualitative (yes/no) colorimetric indicator for real-time indication of Aromatic Diisocyanates vapors. Aromatic diisocyanates include toluene 2,4-diisocyanate (2,4-TDI), toluene 2,6-diisocyanate (2,6-TDI) and 4,4'-methylene diphenyl diisocyanate (MDI).

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 55°C (-4°F to 131°F) |
| e. Operating humidity: | 5% RH to 90%RH |
| f. Minimum detectable limit: | 4ppm·min at 30 cm/sec fa Minimum detectable |
| g. Color change: | Off white to pink to brownish red |
| h. Storage temperature: | 4°C to 25°C, (39°F to 77°F) |
| i. Shelf life: | 1 year at 4°C to 25°C, (39°F to 77°F) |
| j. Service life: | 1 year |

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 pink or brownish red color indicates the presence of aromatic diisocyanates vapors.



Figure 1



Figure 2



Figure 3

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