

Acids Breakthrough Indicator With Auxiliary Filter Trap Acids BTI AFT (PN: 651)



Unexposed



Exposed
Change carbon absorber

Manual



1. Application

The Acids BTI AFT (PN: 651) is qualitative (yes/no) colorimetric indicator for real-time indication of acid gases and vapors. The indicator is equipped with auxiliary filter trap to ensure no acid gases or vapors escape to the outside environment while the indicator changing color.

2. Specifications

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|----------------------------------|--|
| 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: | 4ppm·min at 30 cm/sec face velocity |
| g. Color change: | Orange to red |
| h. Storage temperature: | 4°C to 25°C, (39°F to 77°F) |
| i. Shelf life: | 14 months at 4°C to 25°C, (39°F to 77°F) |
| j. Service life: | 14 months |

Cross interferences: Basic vapors in high concentrations impair the performance of the acid breakthrough indicator. No other interferences are 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 red color indicates the presence of acid vapors.



Figure 1



Figure 2



Figure 3

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