

Hydrogen Sulfide Breakthrough Indicator With Auxiliary Filter Trap H₂S BTI AFT (PN: 663)



Unexposed



Exposed
Change carbon filter

Manual



1. Application

The Hydrogen Sulfide BTI AFT (PN: 663) is a qualitative (yes/no) colorimetric indicator for real-time indication of hydrogen sulfide gas. The indicator is equipped with an auxiliary filter trap to ensure no hydrogen sulfide gas escapes to the outside environment while the indicator is 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 65°C (-4°F to 149°F) |
| e. Operating humidity: | 5% RH to 95%RH |
| f. Minimum detectable limit: | 1ppm-min at 30 cm/sec face velocity |
| g. Color change: | Light blue to brown to black |
| 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: None 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 black color indicates the presence of hydrogen sulfide.



Figure 1



Figure 2



Figure 3