

CHEMTEQ[®]

Ammonia & Hydrogen Sulfide Breakthrough Indicator For Carbon Absorbers NH₃ & H₂S BTI 2 (PN: 402)

Manual



1. Application

The Ammonia & Hydrogen Sulfide BTI 2 (PN: 402) is qualitative (yes/no) colorimetric indicator for the end-of-service life of carbon absorbers and filters. The indicator designed to provide real-time indication of the breakthrough of ammonia and hydrogen sulfide gases.

2. Specifications

- | | |
|------------------------------|--|
| a. Weight: | 129.5g (4.6oz) |
| b. Dimensions: | 11.43cm (4.5in), diameter 5.08cm (2.0in) |
| c. Inlet dimensions: | 1.5" 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: | 10ppm-hr ammonia & 1.0ppm-hr hydrogen sulfide at 30 cm/sec face velocity |
| g. Color change: | Light blue to purple or 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. Light effect: | None |

Cross interferences: No interferences are known.

3. Operating 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 from the packaging pouch.
- Remove the 1.5" threaded plug from the carbon absorber outlet lid.
- Remove the protective red plug to activate the breakthrough indicator.
- Thread the Breakthrough Indicator into the 1.5" threaded carbon absorber outlet lid.



Caution: Only hand tighten indicator into carbon absorber

- Replace carbon absorber when the Breakthrough Indicator changes color to purple or black.



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