CHEMIEQ

Mercaptans Breakthrough Indicator (BTI) For Carbon Absorbers HSR BTI WP (PN: 171)

Manua





1. Application

The Mercaptans Breakthrough Indicator (PN: 171) is qualitative (yes/no) colorimetric indicator for the end-of-service life of carbon absorbers and filters. It is designed to provide real-time indication of the breakthrough of mercaptans. Water has no effect on the breakthrough indicator.

2. Specifications

a. Weight: 28g (1.0oz)

b. Dimensions: 89.9mm (3.5in), diameter 24.5mm (1.0in)

c. Inlet dimensions: 3/4" 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-hr. at 30 cc/sec face velocity

g. Color change: Olive green to pink

h. Storage temperature: 4°C to 25°C, (39°F to 77°F)

i. Shelf life: 1 years at 4°C to 25°C, (39°F to 77°F)

j. Service life: 1 year k. Water effect: Waterproof l. Light effect: None

Cross interferences: High concentrations of ammonia or hydrogen sulfide produce similar color. No other interferences are known.

3. Operating Instructions

- a. Ensure that packaging pouch is intact.
- b. Open packaging pouch by tearing off the top part from one of side notches.
- c. Remove the breakthrough Indicator from the packaging pouch.
- d. Remove the 3/1" threaded plug from the carbon absorber outlet lid.
- e. Remove the protective red plugs to activate the breakthrough indicator.
- f. Thread the Breakthrough Indicator into the 3/1" threaded carbon absorber outlet.



g. Replace carbon absorber when the Breakthrough Indicator changes color to pink.



Unexposed



Exposed Change carbon absorber

