

**Hydrazine
Breakthrough Indicator
For Carbon Absorbers
N₂H₄ BTI
(PN: 186)**



Manual



1. Application

The Hydrazine Breakthrough Indicator (PN: 186) 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 hydrazine vapor.

2. Specifications

a. Weight:	28g (1.0oz)
b. Dimensions:	89.9mm (3.5in), diameter 24.5mm (1.0in)
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:	0.15ppm•hr. at 30 cm/sec face velocity
g. Color change:	Green 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. 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 ¾" threaded plug from the carbon absorber outlet lid.
- Remove the protective red plug to activate the breakthrough indicator.
- Thread the Breakthrough Indicator into the ¾" threaded carbon absorber outlet lid.



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



Unexposed



Exposed
Change carbon absorber



Over exposed

