

**Hydrazine
Breakthrough Indicator
For Carbon Absorbers
 N_2H_4 BTI 3
(PN: 439)**



Manual



1. Application

The Hydrazine BTI 3 (PN: 439) 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.

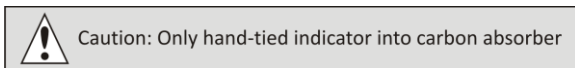
2. Specifications

a. Weight:	204.5g (7.2oz)
b. Dimensions:	11.43cm (4.5in), diameter 7.62cm (3.0in)
c. Inlet dimensions:	2.5" 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 2.5" threaded plug from the outlet lid of carbon absorber.
- Remove the protective red plug to activate the breakthrough indicator.
- Thread the Breakthrough Indicator into the 2.5" threaded carbon absorber outlet lid.



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

THE EXHAUSTED HYDRAZINE BTI 3 CAN BE REUSED BY REPLACING THE CONSUMED HYDRAZINE INDICATOR ASSEMBLY WITH A FRESH INDICATOR ASSEMBLY (PN: 439-1600) AND FRESH ACTIVATED CHARCOAL. PLEASE CONTACT US FOR DETAILS.

