

Mercury & Mercury II Compounds Filter Breakthrough Indicator Sticker (Hg BTIS LFF) (PN: 118)

Manual



1. Application

The Mercury & Mercury II Compounds Vapors Breakthrough Indicator (PN: 118) is qualitative (yes/no) colorimetric indicator for the exhaustion and end-of-service life of low-flow filters. The indicator is designed to provide real-time indication of the breakthrough of mercury & mercury II compounds vapors.

2. Specifications

2.1. Overall Specification

a. Weight:	0.4g (0.02oz)
b. Dimensions:	1.5 mm (0.06 in), ϕ : 19.05 mm (0.75in)
c. Operating temperature:	-20°C to 45°C (-4°F to 113°F)
d. Operating humidity:	5% RH to 85%RH
e. Minimum detectable limit:	0.5mg/m ³ -hr at 30 cm/sec face velocity
f. Color change:	Off white to peach
g. Storage temperature:	4°C to 25°C, (39°F to 77°F)
h. Shelf life:	1 year at 4°C to 25°C, (39°F to 77°F)
i. Service life:	8 months

2.1. Cross interferences: Strong oxidizers. No other 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 indicator sticker from the packaging pouch.
- Peel off the protective liner to expose the bottom adhesive (Figure 1).



Caution: Do not touch bottom adhesive or the exposure area

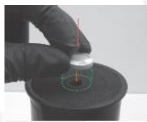
- Hold the sticker from the edges, as shown in Figure 2, and place it on center clean area of the filter's outlet with the reading area (glossy surface) of the sticker facing up.
- For closed pores filter plug, ensure that indicator is centered on filter opening (Figure 3)
- For open pores filter plug, attach indicator on center area of filter outlet.
- Press firmly to attach the indicator to the filter's outlet (Figure 4).
- Replace filter when the reading area of the indicator changes color to peach.



Figure 1



Figure 2



Figure



Figure