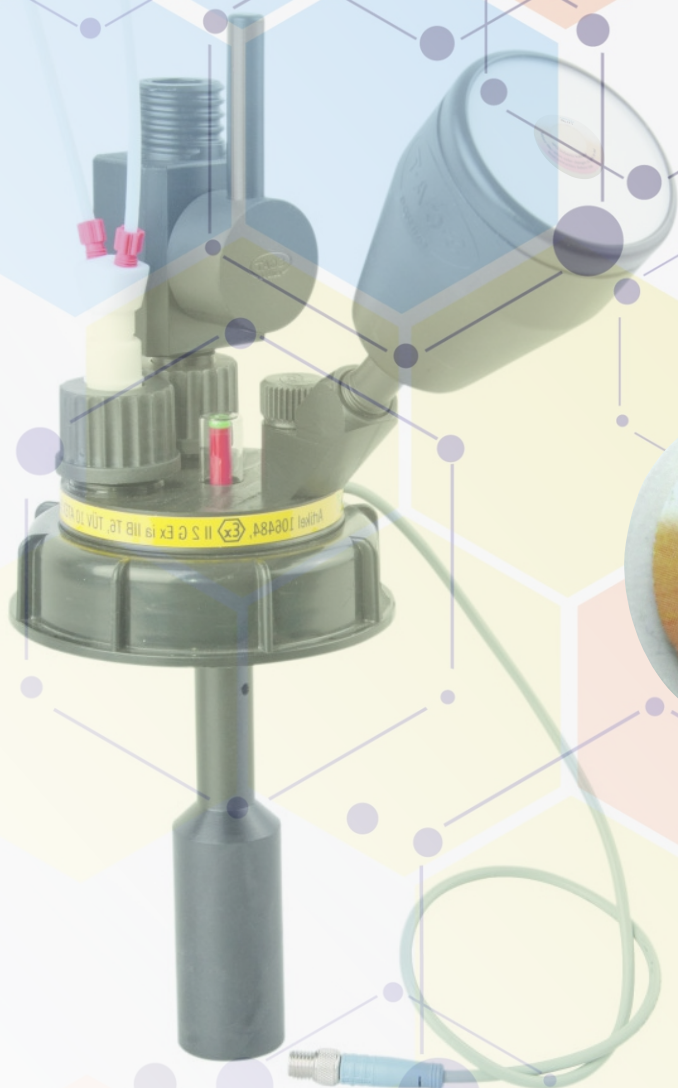




## FILTER CHANGE INDICATOR STICKERS FOR LOW-FLOW FILTERS

### Real-time Breakthrough Indicators

- Chemteq's Breakthrough Indicators Stickers provide real-time indication of low flow filters saturation and exhaustion to ensure safety in the workplace.
- The indicators are accurate, sensitive, easy to use, long service life and economical.



Chemteq's Complete line  
of Low Flow filters  
Breakthrough Indicators

### Product Line Includes:

- Filter Breakthrough Indicator
- Filter Breakthrough Indicator In-Line
- Filter Breakthrough Indicator Sticker
- Custom Breakthrough Indicators
- Area Monitor



# Real-time filter change indicators

## FILTER BREAKTHROUGH INDICATOR STICKERS FOR LOW-FLOW FILTERS (BTIS LFF)

- Visual indication of filter saturation
- Real-time indication
- Reliable; no false positive or false negative results
- Economical
- Easy to use
- Protect user in the work place
- Protect environment from toxic emissions

### Visual indication of filter saturation

The breakthrough indicators stickers produce vivid color change when filter is saturated and exhausted.

### Real-time indication

The high sensitivity of the breakthrough indicators to target gases and vapors provide user with immediate indication of filter saturation.

### Economical and easy to use

Applying the breakthrough indicator allows user to get the most of their filters and sorption media while protecting themselves and the environment from exposure to toxic emissions. To apply, simply attach the breakthrough indicator sticker to the outlet of your filter.

### Long Shelf and Service Lives

The indicators has minimum of one year shelf life at room temperature PLUS minimum of one year of service life.

### Dimensions

1.5 mm (0.06 in),  $\phi$ : 19.05 mm (0.75in)

### Operating temperature

4°C to 35°C (39°F to 95°F)

### Operating humidity

5% RH to 95%RH

### Related Products

Breakthrough indicators (BTI), Breakthrough Indicator Inline (BTI Inline), Area Monitors for use in stack, duct, vent or flue.

### Availability

Shipping in 3 to 6 business days.

If you require an application not listed please contact us at [info@chemteq.net](mailto:info@chemteq.net) for free consultation. OEM and custom packaging are available.

Part Number	Chemical(s) Detected	Minimum Detectable*	Color Change
133	Acids	4 ppm-min	
135	Bases (e.g. ammonia, pyridine)	4 ppm-min	
105	Formaldehyde	0.4 ppm-hr	
116	Hydrazine	0.15 ppm-hr	
117	Hydrogen Sulfide	1ppm-hr	
118	Hg & Hg II Compounds	0.5 mg/m <sup>3</sup> -hr	
113	SOV** (hplc Solvents)	***	
114	Total Organic Solvents	***	

\* Minimum detectable limits tested at face velocity of 30cm/sec

\*\* SOV = Selected Organic Vapors. \*\*\* Please contact us for details.  
ppm = part per million, mg = milligram

Chemteq's Complete Line  
of Filters & Filters Breakthrough Indicators

**CHEMTEQ**

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