



Mercury Vapors
DC Filter with ESLI Inline
(PN: 7444)



SPECIFICATIONS



Mercury DG Filter 7444 Specification

1. Application

The Mercury DG Filter (PN: 7444) is an inline filter with real-time end-of-service life indicators (ESLI) designed to adsorb mercury and mercury II compounds vapors. The ESLIs change color alerting user to replace the exhausted filter. Not suitable for liquid filtration.

2. Specifications

a. Weight:	45g (1.6oz)
b. Dimensions:	89.9mm (3.5in), diameter 24.5mm (1.0in)
c. Inlet & outlet dimensions:	¼" MNPT
d. Operating temperature:	-20°C to 55°C (-4°F to 131°F)
e. Operating humidity:	5% RH to 80%RH
f. Sorption Media weight:	0.2-0.28oz (6-8g)
g. Sorption Media:	Treated carbon
h. Sorption Media Size:	40x60 (US Mesh)
i. Allowed fluid:	Gases and Vapors
j. Target Substance:	Mercury & mercury II compounds
k. Ideal air flow:	Static to 3-5 cc per minute
l. ESLI minimum detectable limit:	0.5mg/m ³ ·hr. at 30 cm/sec face velocity
m. ESLI color change:	Off white to peach
n. Storage temperature:	4°C to 25°C, (39°F to 77°F)
o. Shelf life:	2 years at 4°C to 25°C, (39°F to 77°F)
p. Service life:	1 year

2 Instructions

- Ensure that packaging pouch is intact.
- Open packaging pouch by tearing off the top part from one of side notches.
- Remove the filter from the packaging pouch.
- Remove the protective red plugs to activate the filter.



- Ensure that air flow is in the same direction as the air flow arrows on the filter.
- Replace filter when ESLIs change color.



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Chemteq, Inc., 600 West 24th Street, Suite B, Norfolk, Virginia 23517, Tel 757-622-2223, sales@chemteq.net
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www.chemteq.net

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