



## VAPORSORB™ TRK CHEMICAL AIR FILTERS

Track filtration solutions delivering complete protection against the full range of airborne molecular contaminants at 22 nm and below

### Overview

VaporSorb™ TRK chemical air filters deliver complete protection against the full range of total molecular gas phase acids (strong and weak), bases and condensable organics. VaporSorb TRK filters meet track OEM specifications and incorporate patent-pending polymer media that are completely dopant and outgas-free. These high-performance filters remove airborne amines, inorganic acids, weak acids (including acetic, nitrous and formic), and organics to the sub-parts-per-billion range.

Entegris filtration solutions are backed by in-house, OEM-certified, ISO 17025-accredited laboratories. This provides our customers with assurance that all performance claims are verified with supporting data and in-field analytical support.

#### See It. Control It.

In an effort to deliver targeted solutions that control airborne molecular contamination, Entegris employs the data-driven *See it. Control it.* methodology.

#### SEE IT.

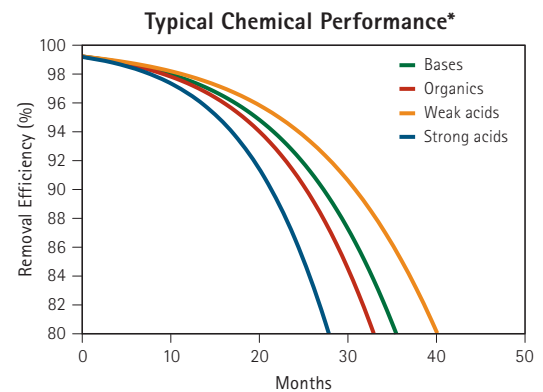
Measure AMC types and concentrations and monitor over time. Entegris is the only filter supplier with OEM-approved and ISO-accredited analytical laboratories.

#### CONTROL IT.

Remove AMC with targeted solutions. Entegris provides a full range of application-specific AMC filters to remove contaminants of concern.



### Performance Data



\*Contact Entegris for expected lifetimes based on your application.

### Features and Benefits

Features	Benefits
Dual layer asymmetric media	Eliminates satellite defects by preventing conversion of PGMEA to acetic acid
New chemistry for removal of weak acid	Eliminates satellite defects
Balanced chemistry	Reduces photoresist adhesion problems by removing organics
	Eliminates T-topping by removing ammonia
Unique 4-in-1 design	Simplifies filter handling and inventory with single filter that removes all AMC
Application-blend of high performance adsorbents	Provides targeted contaminant removal
Configuration flexibility to accommodate all coat and develop tools	Provides easy implementation and installation

# Specifications

## Materials

Casing:	Clear anodized aluminum
Media:	Application-specific blends of high performance adsorbents
Cover screens:	Clear anodized aluminum and polyester scrim
Gasket (if used):	Closed cell polyethylene

## Physical Performance

PARAMETER	AT	TARGET
Air velocity distribution:	9 points 0.1 m downstream of filter @ 0.5 m/s face velocity	Uniform distribution, variation ~0
Temperature/humidity variation:	30–70% RH 18°C–35°C (64°F–95°F)	<10% service life degradation
Dust generation:	Particles per m <sup>3</sup>	ISO 5-compliant
Metal contaminants:	None detected	<1 ng/L air

# Ordering Information

Part Number	Height (mm)	Width (mm)	Gasket	Weight (kg)	Handle
ESI006600-01	360	620	No	8	No
ESI006600-02	460	360	No	6	No
ESI006600-03	400	1120	No	15	No
ESI006600-04	460	620	No	10	No
ESI006600-05	460	385	No	6	No
ESI006600-06	460	460	No	8	No
ESI006600-07	615	310	No	7	No
ESI006600-08	615	155	No	4	No
ESI006600-09	385	620	No	9	No
ESI006600-10	605	905	No	18	Yes
ESI006600-11	530	530	No	9	No
ESI006600-12	460	620	Yes	10	No

Part Number	Height (mm)	Width (mm)	Gasket	Weight (kg)	Handle
ESI006600-13	460	385	Yes	6	No
ESI006600-14	460	460	Yes	8	No
ESI006600-15	615	310	Yes	7	No
ESI006600-16	460	360	Yes	6	No
ESI006600-17	360	620	Yes	8	No
ESI006600-18	615	155	Yes	4	No
ESI006600-19	385	620	Yes	9	No
ESI006600-20	400	1120	Yes	15	No
ESI006600-23	630	710	No	18	No
ESI006669-01	270	720	No	10	Yes
ESI006669-02	360	620	No	11	Yes
ESI006670-01	360	200	No	4	Yes

Note: Filter can be made in any size up to 1930 mm x 1930 mm x 380 mm. Please contact Entegris for information on other sizes.

## For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [www.entegris.com](http://www.entegris.com) and select the Customer Service link for the center nearest you.

## Terms and Conditions of Sale

All purchases are subject to Entegris' Terms and Conditions of Sale. To view and print this information, visit [www.entegris.com](http://www.entegris.com) and select the Legal Notices link from the footer.

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