

# E2000 Pre-filter Housing and Air Circulation System

*Protection against organic gases, including volatile compounds*

Provides advanced second-layer protection for scanner systems and cleanup of small environments such as data centers. Chemically purifies environmental air if additional protection is required or if air handler systems are absent.

The E2000 pre-filter housing and air circulation system is a natural extension of our market-leading OEM scanner integrated filter systems. The E2000 system provides increased protection of lens contamination from airborne Low Molecular Weight Silicon (LMWSi) and condensable organic species. It satisfies Nikon®, ASML™, and Canon® photobay environment specifications and increases OEM scanner filter organics lifetime.

Used as a stand-alone system, the E2000 system can clean facilities by recirculating the air and removing airborne contaminants that cause corrosion and process problems.

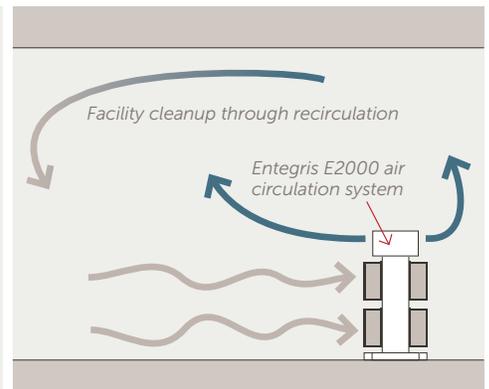
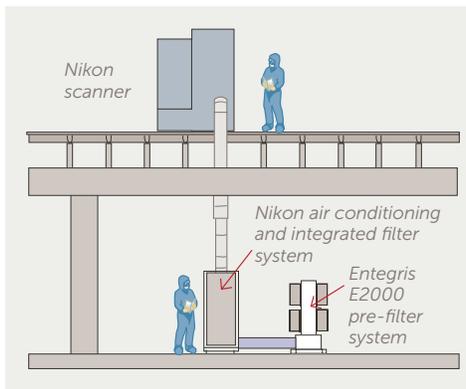
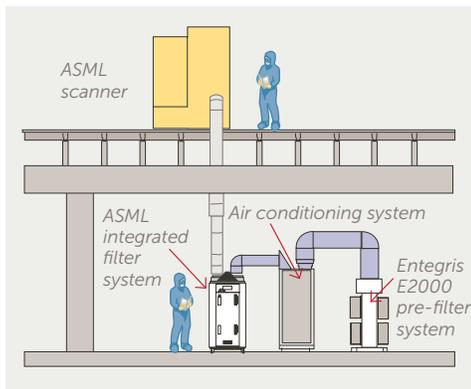
## APPLICATIONS

- Scanner optics protection
- Photolithography
- Data center and facility air purification
- Multilayer AMC removal



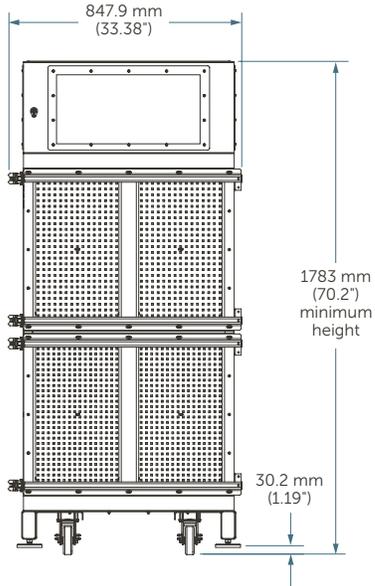
## FEATURES & BENEFITS

- Select adsorption chemistry to maximize capacity for target AMC (airborne molecular contamination)
- Matches existing OEM scanner filtration systems
- Compact, stand-alone solution for filtering smaller facilities
- Easy retrofit for all applications
- Dedicated team of analytical service experts to support all filtration system technology and AMC measurement pertaining to filter system interdependency and life performance
- In compliance with Nikon, ASML, and Canon environment specifications

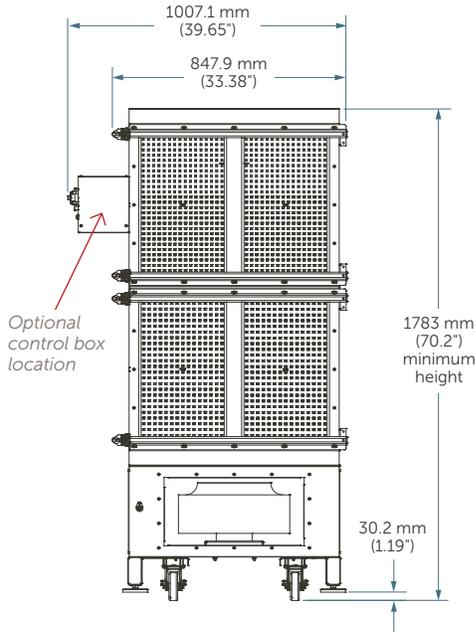


## DIMENSIONS

### Pre-filter Top No Fan Configuration

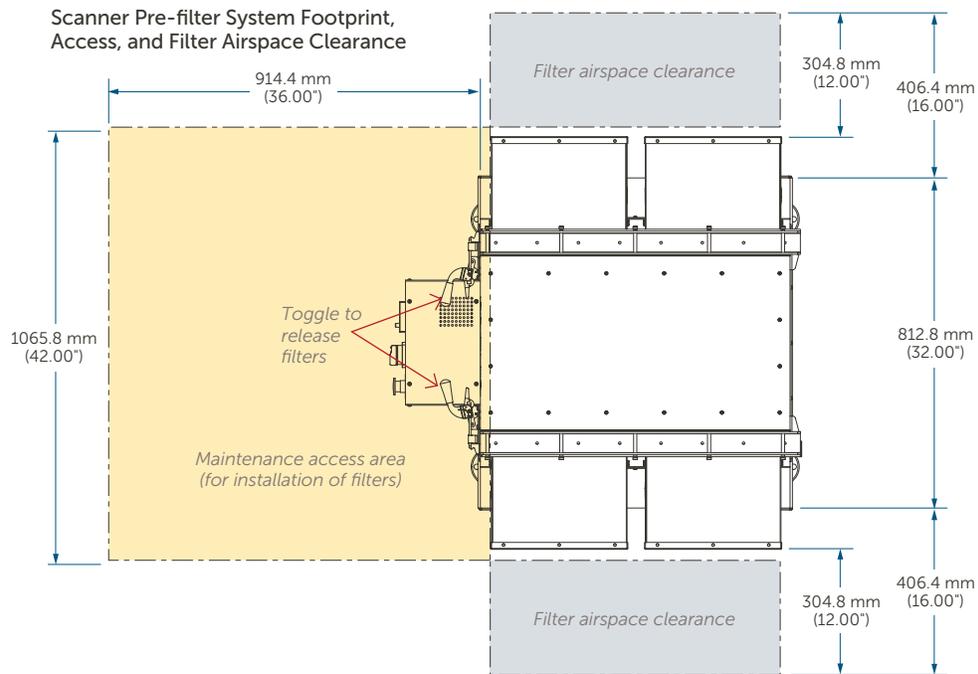


### Pre-filter Bottom Fan Configuration



*System is available with or without a fan*

## DIMENSIONS (CONTINUED)

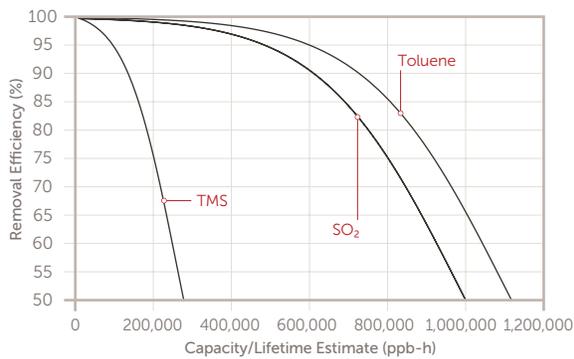


## PERFORMANCE DATA

### Chemical Performance at Different Flow Rates

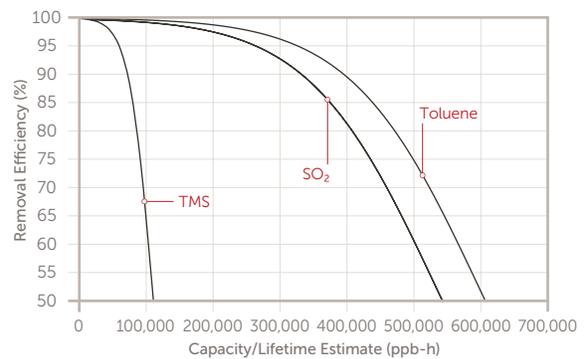
#### Nikon flow capacity/lifetime

Flow rate 88 cfm/150 cmh (0.29 m/s)



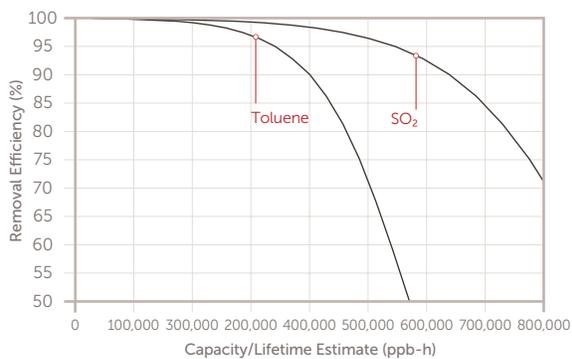
#### ASML flow capacity/lifetime

Flow rate 195 cfm/330 cmh (0.65 m/s)



#### Facility flow capacity/lifetime

Flow rate 225 cfm/380 cmh (0.75 m/s)



## ORDERING INFORMATION

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Part number	Configuration
ESI005774-01	Bottom discharge with fan
ESI005774-02	Top discharge with fan
ESI005774-03	Bottom discharge without fan
ESI005774-04	Top discharge without fan
ESI005892-01	Set of eight filters for organics removal

For other media types, please [contact Entegris](#).

## FOR MORE INFORMATION

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

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