

E1250 Filter Housing

*Advanced protection for optics
and facilities*

Entegris' E1250 filter housings are designed to protect chemically amplified photoresist and exposed optical surfaces by purifying the air entering exposure tool, coater/developer, or other process tool enclosures.

The E1250 filter housing, when equipped with Entegris hybrid media chemical air filters, offers advanced protection against airborne molecular contamination (AMC), such as strong and weak acids, bases, and organic compounds.

Inside the E1250 housing, specialty chemical filters are arranged in a multi-stage, serial configuration to provide unparalleled protection against unplanned elevated contamination events such as accidental solvent or developer chemical spills.

We incorporate our interstack sample port design into the E1250 housing to facilitate AMC testing between filters and to provide advanced warning of filter breakthrough. This feature provides the additional benefit of helping prevent tool contamination from spent filters, often a concern in less advanced parallel flow designs.

APPLICATIONS

- Chemically purify atmospheric pressure air used in air handling systems of microlithography tools, including exposure tools and photoresist coater/developer tools
- Room filtration in smaller facilities
- A make-up air filter to reduce elevated ambient contamination levels in advanced technology facilities



FEATURES AND BENEFITS

Compatible with all Entegris brand cabinet filter sets	Removes acids, bases, and condensable organics
Internal HEPA filter	Ensures particle control
Interstack sample ports	Enable performance monitoring
Vertical or horizontal orientation	Can be operated vertically on a stand or horizontally suspended from ceilings, providing installation flexibility
Rigid construction	Ensures reliable, trouble-free operation
Inlet and outlet transitions	Accommodates simple, hard, or flexible duct connections, simplifying installation

SPECIFICATIONS

Length	1430 mm (56.3")
Width	664 mm (26.1")
Height	664 mm (26.1")
Weight (empty)	73 kg (160 lbs)
Weight (with filters)	98 kg (215 lbs)
Flow (maximum)	2,125 m ³ /h (1250 cfm)
Flow (typical)	850 m ³ /h (500 cfm)
Pressure drop (typical with three chemical filters)	380 Pa (1.6 in water column)
Clean Dry Air (CDA)	Required for pneumatic actuator
CDA compression fitting	0.635 cm (0.25")
CDA pressure	517 kPa (75 psig)
CDA flow	Negligible

FOR MORE INFORMATION

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

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