

VaporSorb™ FAC Chemical Filters

Facilities filtration solutions provide complete protection against the full range of airborne molecular contamination at 22 nm and below

The VaporSorb™ family of hybrid chemical air filters is designed to offer superior protection for advanced semiconductor manufacturing environments at sub-22 nm nodes. Entegris VaporSorb filters help reduce the levels of unwanted airborne molecular contamination (AMC) in high-flow facilities applications.

Entegris VaporSorb FAC filters are configurable for any type of air handling unit installation, and are especially well suited for make-up air (MUA) and return air handler (RAH) applications.

The Entegris VaporSorb FAC filters are designed using our extensive database of cleanroom ambient levels to provide maximum effectiveness and contaminant removal.



FEATURES & BENEFITS

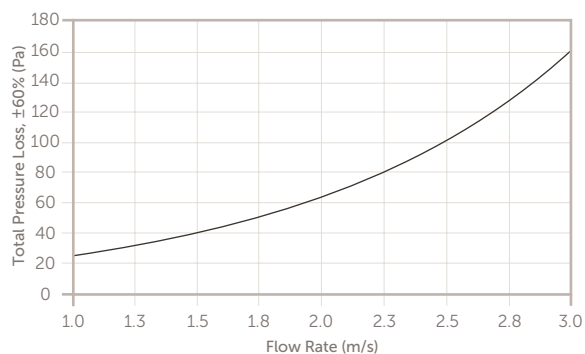
Full-range protection from strong and weak acids, and organics and bases such as ammonia	Decreases wafer defects and increases yields Improves equipment uptime
Application-specific filters with optimized blend of adsorbents	Targets and removes contaminants of concern for each process tool Minimizes media waste, lowering cost of ownership
Flexible configurations for any FFU, in-tool, equipment factory interface or process module mounting	Simplifies installation and integration
Data driven <i>See It. Control It.</i> methodology	AMC measurement provides tailored solutions that are optimized for customer fab environment Minimizes media waste, lowering cost of ownership
Entegris-owned filter manufacturing	Quick turnaround of fab-specific, optimized media Minimizes media waste, lowering cost of ownership
Product backed by Entegris OEM-approved, ISO® 17025-accredited laboratories	Provides assurance that all filter performance claims are verified with supporting data

SPECIFICATIONS

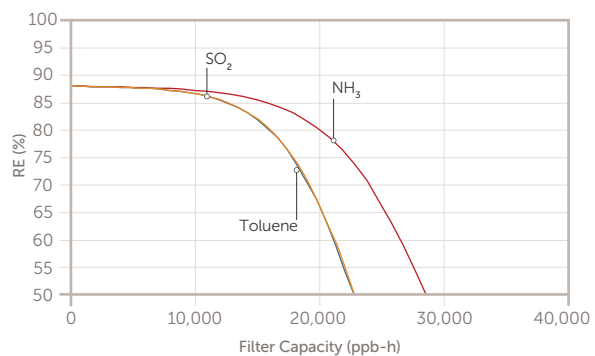
Nominal size	242412	241212
Targeted air flow	2000 cfm	1000 cfm
Targeted face velocity	2.54 m/s (500 ft/min)	2.54 m/s (500 ft/min)
Height	592 mm (23.312")	287 mm (11.312")
Width	592 mm (23.312")	592 mm (23.312")
Depth	287 mm (11.312")	287 mm (11.312")
Weight	14.5 kg (32 lbs)	9.1 kg (20 lbs)
Pressure drop	110 Pa @ 2.54 m/s (500 ft/min)	110 Pa @ 2.54 m/s (500 ft/min)

PERFORMANCE DATA

Pressure vs. Flow



Chemical Capacity*



*Entegris expresses filter AMC capacity as the product of challenge concentration and time, the unit is ppb-h (parts per billion-hours; ppb = 10⁻⁹ mols per mol of air). With that number, and the desired end-of-life removal efficiency, the user can calculate lifetime in hours by using their measured onsite AMC concentration.

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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