

VaporSorb™ DC Chemical Filters

Data center filtration solutions provide complete protection against the full range of airborne molecular contamination that can cause electronics corrosion and degradation

Airborne molecular contamination (AMC) is gas-phase chemicals that can cause electronic equipment or component failure resulting in costly data errors and equipment downtime.

Protection from particles and dust is insufficient to meet data center environment air quality specifications. AMC gas-phase filtration is required to meet these stringent specifications.

Entegris VaporSorb™ DC filters reduce the levels of unwanted AMC, including broadband acid protection, which is the major concern in protecting server farm performance.

VaporSorb DC filters will reduce or prevent equipment contact corrosion and salt formation that cause electronic shorts, by controlling airborne levels of sulfuric acid, nitric acid, hydrogen sulfide, chlorine compounds, oxidative compounds like ozone, and organic, corrosive AMC such as acetic and formic acids.



FEATURES & BENEFITS

Full-range protection from strong and weak acids, as well as organics and bases	Eliminates corrosion in server farms Prolongs life of data servers Prevents equipment downtime
Application-specific filters with optimized blend of adsorbents	Targets and removes contaminants of concern for each application Minimizes media waste, maximizing lifetime
Data-driven <i>See It. Control It.</i> methodology	AMC measurement provides tailored solutions that are optimized for customer environment Minimizes media waste, lowering cost of ownership
Entegris-owned filter manufacturing	Quick turnaround of application specific, optimized media Provides direct media and product support and expertise
ISO® 17025-accredited laboratories	In-field AMC measurement of actual contaminants and their concentration. Provides assurance that filter in-application performance is verified with supporting data Goes much beyond qualitative corrosion strip evaluation

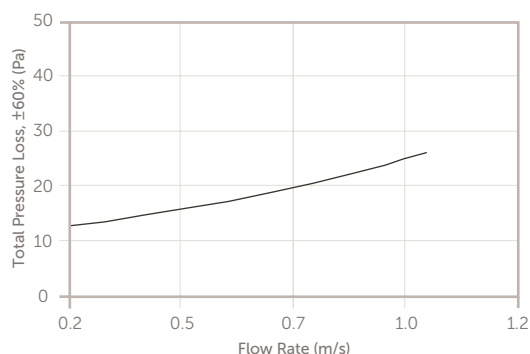
SPECIFICATIONS

Typical form factor*	242412
Targeted air flow	340 – 1300 m ³ /h (200 – 765 cfm)
Targeted face velocity	0.29 – 1.1 m/s (58 – 218 ft/min)
Height	592 mm (23.313")
Width	592 mm (23.313")
Depth	287 mm (11.313")
Weight	14.5 kg (32 lbs)

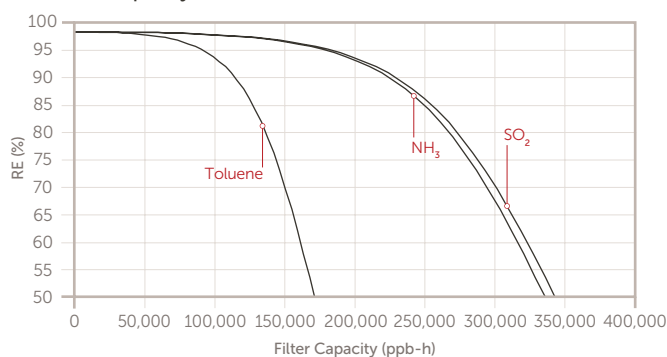
*This is a typical filter dimension. Entegris manufactures a wide variety of filter sizes to meet customer requirements.

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.

NOTE: Graphs shown are just two examples. We provide a variety of form factors with varying performance characteristics. Contact Entegris for more information.

FOR MORE INFORMATION

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

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