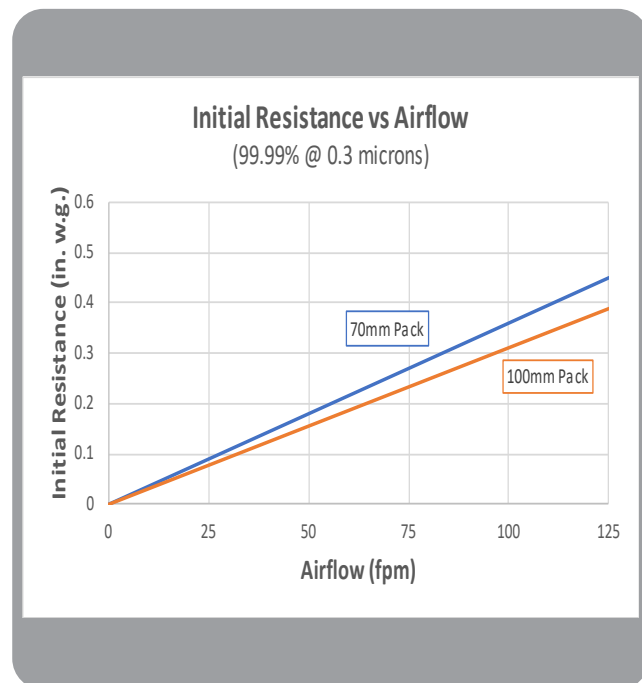




The Camfil Megalam Ducted Ceiling Module is ideal for applications where clean air is a requirement to protect products, people and the environment. The Camfil Megalam Ducted Ceiling Module offers:

- High efficiency particulate control. Available efficiencies include 95% or 99.99% when evaluated on particles 0.3 micron and 99.9995 when evaluated on most penetrating particle size (MPPS). Each filter is tested using Camfil's exclusive Auto-Scan automated leak detection system.
- A filter pack that is encapsulated on all four sides using Camfil's polyurethane sealant which is thermally/chemically stable to ensure minimal outgassing and maintains excellent mechanical properties ensuring high-purity air for the most demanding environments over the life of the filter.
- A media configuration that is optimized through Controlled Media Spacing resulting in a lower pressure drop than other media pleating techniques. Includes thermoplastic resin separators to promote uniform airflow while eliminating media to media contact and fiber break-off associated with other media and pleating techniques.
- Lightweight extruded aluminum profiles joined at the corners with Camfil's exclusive Klip-Lok mechanism forming a robust and durable module for long lasting integrity. Seismic tabs are included.
- An anodized aluminum hood with a duct collar connection that mates to the frame to form a rigid module. (Available with either a 8", 10", 12" or 14" connection). The duct collar includes an integral continuous raised ridge to assist in securing flexible ducting.
- An adjustable diffusion disc that promotes uniform airflow over the entire filter and allows filter-to-filter air balancing. Room side adjustment is accomplished through a port in the center divider. An additional port is included for pressure drop and/or aerosol concentration measurement.
- An integral white epoxy powder-coated steel grille with 62% open area.





Megalam Ducted Ceiling Module with Microglass Fiber Media Pack

Performance Data

70 mm Pack Depth

Description	Actual Size (inches)			Resistance @100 fpm (inches of w.g.)	Total CFM @ Rated Velocity	Module Weight (lbs)	Shipping Weight (lbs)
	Width	Length	Height				
Efficiency: 95%							
D4-23.62-23.62-8-13-00-1D-32-*	23.62	23.62	5.92	0.19	319	23.3	24.5
D4-23.62-47.62-8-13-00-1D-32-*	23.62	47.62			688	38.3	40.8
Efficiency: 99.99% @ 0.3 micron							
D5-23.62-23.62-8-13-00-1D-32-*	23.62	23.62	5.92	0.36	319	23.3	24.5
D5-23.62-47.62-8-13-00-1D-32-*	23.62	47.62			688	38.3	40.8
Efficiency: 99.9995% @ most penetrating particle size (MPPS)							
DX-23.62-23.62-8-13-00-1D-32-*	23.62	23.62	5.92	0.42	319	23.3	24.5
DX-23.62-47.62-8-13-00-1D-32-*	23.62	47.62			688	38.3	40.8

100 mm Pack Depth

Description	Actual Size (inches)			Resistance @100 fpm (inches of w.g.)	Total CFM @ Rated Velocity	Module Weight (lbs)	Shipping Weight (lbs)
	Width	Length	Height				
Efficiency: 95%							
D4-23.62-23.62-B-33-00-1D-62-*	23.62	23.62	7.21	0.16	319	33.3	34.5
D4-23.62-47.62-B-33-00-1D-62-*	23.62	47.62			688	48.3	50.8
Efficiency: 99.99% @ 0.3 micron							
D5-23.62-23.62-B-33-00-1D-62-*	23.62	23.62	7.21	0.31	319	33.3	44.5
D5-23.62-47.62-B-33-00-1D-62-*	23.62	47.62			688	48.3	50.8
Efficiency: 99.9995% @ most penetrating particle size (MPPS)							
DX-23.62-23.62-B-33-00-1D-62-*	23.62	23.62	7.21	0.38	319	33.3	34.5
DX-23.62-47.62-B-33-00-1D-62-*	23.62	47.62			688	48.3	50.8

- Notes:**
- 1) Replace * with U for 8", P for 10", Q for 12" or A for 14" collar.
 - 2) "H" or height dimension includes over height of module. Add 2" for collar.
 - 3) Shipping weight based on a single pack.
 - 4) Custom sizes and configurations available upon request.

1.0 General

- 1.1 Unit shall be ducted ceiling module consisting of anodized aluminum frame, a galvanized steel backplate, polyurethane encapsulating sealant, dual access ports, and internal filter per the enclosed schedule.
- 1.2 Sizes shall be noted on drawings or other supporting materials. Resistance to airflow @100fpm shall not exceed 10% of the target value listed above or on the specification document.

2.0 Construction

- 2.1 Filter housing shall be constructed of an anodized aluminum frame mated with a galvanized steel backplate. It shall be designed for installation into a T-Bar ceiling grid system.
- 2.2 The media pack shall have a depth of 70mm or 100mm and have efficiencies of 95.0%, 99.99% @ 0.3 micron, or 99.9995% @ MPPS.
- 2.3 Pleat spacing shall be by a thermoplastic resin separator to prevent media to media contact and promote uniform airflow through the media pack.

- 2.4 The media pack shall be completely encapsulated in a polyurethane sealant creating a rigid, self-supporting pack. The sealant shall be low outgassing, fire-resistant and self-extinguishing.
- 2.5 The module shall include an airflow diffusion disc that is adjustable from the room side through an access port.
- 2.6 A second port, accessible from the room side, shall be provided to allow aerosol test challenge introduction or pressure drop measurement.
- 2.7 Housing shall be supplied with an 8", 10", 12" or 14" collar that includes an integral continuous raised ridge for duct side connection to the air system.

3.0 Performance

- 3.1 The filter shall be identified by a three part printed label (not handwritten) indicating individual unit identification, bar code serialization, and actual unit performance test results including efficiency, airflow, and initial pressure drop.
- 3.2 The module shall be listed by Underwriters Laboratories as UL-900.
- 3.3 Manufacturer shall provide evidence of facility certification to ISO 9001:2015.



For detailed specifications please consult your local Camfil Distributor, Representative or [Megalam DCM](#) for all styles. Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.

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