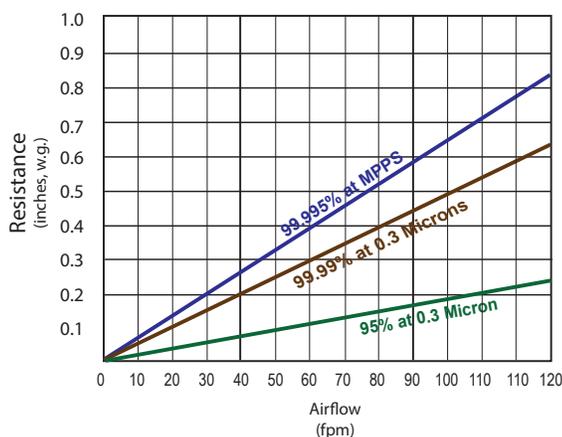




Low-profile HEPA filter module for critical air applications.

Pressure Drop at Face Velocity



The Camfil Slimline Series DCM-AD Ducted Ceiling Module is ideal for applications where minimal installation space is available and ultra clean air is a requirement. The Camfil Slimline DCM-AD offers:

- High efficiency leak free 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).
- A low profile allowing installation in a minimal depth conserving space for manufacturing or other room components. Constructed of light weight extruded aluminum profiles and joined at the corners with Camfil's Klip-Lok mechanism the Slimline installs in any standard 1½ " or 2" T-bar grid system. Seismic tabs are included.
- A 41-mm filter pack, completely encapsulated in a polyurethane sealant. The sealant is chemically stable to ensure minimal out-gassing 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 (CMS) resulting in a lower pressure drop than other media pleating techniques. Continuous glass filament separators, encapsulated in a stabilizing adhesive, promote uniform airflow while eliminating media to media contact and fiber break-off associated with other media pleating techniques.
- An adjustable air 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 measurement and/or aerosol challenge introduction.
- Either a 10" or 12" collar connection. The collar includes an integral continuous raised ridge to assist in securing flexible ducting.
- An integral white epoxy powder-coated steel grille with 62% open area to promote proper airflow and protect the filter element.

Performance

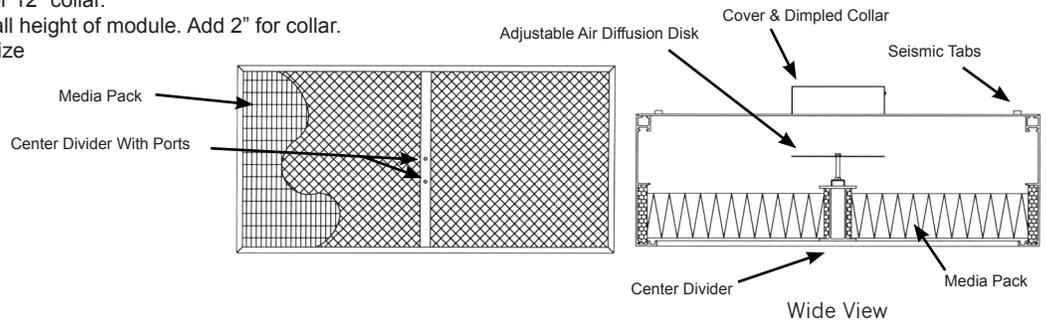
Model	Width (inches)	Length (inches)	Height (inches)	Resistance @ 100 fpm (inches, w.g.)	Shipping Weight (lbs)
95% @ 0.3 micron					
D4-23.62-23.62-2-02-00-1D-C2-*	23.62	23.62	4.73	0.20	24
D4-23.62-41.62-2-02-00-1D-C2-*	23.62	41.62			35
D4-23.62-47.62-2-02-00-1D-C2-*	23.62	47.62			37
HEPA, 99.99% @ 0.3 micron					
D5-23.62-23.62-2-02-00-1D-C2-*	23.62	23.62	4.73	0.47	24
D5-23.62-41.62-2-02-00-1D-C2-*	23.62	41.62			35
D5-23.62-47.62-2-02-00-1D-C2-*	23.62	47.62			37
ULPA, 99.9995% @ MPPS ¹					
D7-23.62-23.62-2-02-00-1D-C2-*	23.62	23.62	4.73	0.67	24
D7-23.62-41.62-2-02-00-1D-C2-*	23.62	41.62			35
D7-23.62-47.62-2-02-00-1D-C2-*	23.62	47.62			37

DATA NOTES:

Replace * with P for 10" collar, or Q for 12" collar.

'H' or height dimension includes overall height of module. Add 2" for collar.

¹ MPPS—Most Penetrating Particle Size



Specification

1.0 General

1.1 - Unit shall be ducted high efficiency ceiling module consisting of anodized aluminum frame, a galvanized back plate, 41-mm filter pack, polyurethane encapsulating sealant and dual access ports. Maximum module depth shall not exceed 4.73".

1.2 - Sizes shall be as noted on drawings or other supporting materials.

2.0 Construction

2.1 - Filter housing shall be constructed of an anodized aluminum frame mated with a galvanized steel back plate. It shall be designed for installation into a T-Bar ceiling grid system.

2.2 - The media pack shall have a maximum depth of 41-mm (1.61") and shall have an efficiency of (95 @ 0.3 micron, 99.99% @ 0.3 micron, 99.9995% @ MPPS).

2.3 - Pleat spacing shall be by continuous glass filament separators 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 out gassing, fire-retardant and self-extinguishing.

2.5 - The module shall include an adjustable 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 a ("10", 12") collar that includes an integral continuous raised ridge for duct side connection to air system.

2.8 - Unit shall include an epoxy-coated steel face screen with a minimum 62% open area.

3.0 Performance

3.1 - The filter shall be identified on a label indicating minimum efficiency, tested airflow and pressure drop. The unit shall be bar code serialized for individual unit identification.

3.2 - The module shall be listed by Underwriters Laboratories as UL 900.

3.3 - Manufacturer shall provide evidence of facility certification to ISO 9001:2008.

Items in parentheses () require selection.