HEPA Ceiling Mount Filters

**Description**

Hardy Filtration HEPA/ULPA Ceiling Mount Filter Modules are lightweight low profile ducted units.

The mini-pleat filter packs are designed to provide unidirectional airflow from tee-bar ceilings.

Hardy Filtration modules are available in two sizes: nominal 24" x 24" and 24" x 48" with either 10" or 12" diameter inlet collars.

They are available in particles size efficiencies: 99.97%, 99.99% on .030 µ as well as 99.999% and in three filter pack depths: 53, 70 and 100 mm.

**Construction**

The heart of the Hardy Filtration HEPA/ULPA Ceiling Mount Filter Modules is a state-of-the-art mini pleat filter pack sealed in an aluminium frame forming the sides of the module.

The aluminum center divider holds ports for in room damper adjustment and measurement of the challenge aerosol.

A 20 Ga. Expanded steel white powder coated face grill protects the media pack.

Each module is tested after assembly to meet or exceed IEST RP-1 requirements for a Type C or F filter.

**Options**

Hardy Filtration Ceiling Modules are available with either nominal 10" or 12" diameter inlet collars.

One-inch thick vinyl-backed fibreglass insulation on the top and sides of the module is also available.

**Installation and Application Considerations**

Hardy filtration HEPA/ULPA Ceiling Mount Filter Modules are recommended for use in ultra clean applications.

They are ideal for fabrication of microelectronics, semiconductors and medical devices; and in aero-space, biotech and pharmaceutical production.

Selection of the 70mm or 10mm pack size models will help reduce operating costs because of their lower resistance and longer service life.

Clips on the module’s top four corners are to be used to secure seismic restraint wires. Foam gasket should be applied to the tee-bar surface on which the module will rest.
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Hardy filtration ceiling mount specifications

Application: Ceiling Mounted Unit for Final Filtration
Frame: Fabricated .050 Aluminum with Galvanized Steel Cover
Mounting System: Drop Ceiling Tee Bar with Four Corner Cable Clamps
Connection: Starter Flange with Outer Diameter of 10” or 12”
Media: Glass Fiber
Separators: Hot Melt Beads on 1 1/8” Centers
Sealant: Fire Retardant Urethane
Grid: White Epoxy Paint on Low Carbon Steel
Filtration Efficiency: ≥99.999% @ .3 Micron
Tested Per: Mil Spec 282
Recommended Final Pressure Drop: 2.5 inches of Water
Temperature: 200 ºF   100% R/H
Test: 100% individual
Designed to : UL 900 Class 2

Ordering Information

Example: CM2448-49370-12Y1YNN

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<tr>
<th>Model Number</th>
<th>Pack Size</th>
<th>W</th>
<th>L</th>
<th>D</th>
<th>Nominal CFM Gross Face Velocity 100 fmp</th>
<th>Initial Pressure Drop (in. of Water)</th>
<th>Installation Weight</th>
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<td>CM2448</td>
<td>53 mm (2”)</td>
<td>23 5/8</td>
<td>47 5/8</td>
<td>4 3/4</td>
<td>800</td>
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