

RSR Terminal Filter

The RSR Ducted Ceiling Module from Envirco is a lightweight, low profile Terminal Filter with Roomside Replaceable Gel Seal HEPA or ULPA filters. The filters are designed to provide unidirectional airflow for the most challenging Life Sciences applications. The removable Gel Seal filter enables the end user to replace or change HEPA filters without removing the entire filter from the drywall or tee-bar ceiling grid.

The Envirco RSR Ducted Ceiling Module is available in two sizes: nominal 24" x 48" and 24" x 24" with a 10" or 12" inlet collar. The Gel Seal filter element is available in HEPA and ULPA efficiencies for Type C or D filter requirements. The minipleat filter pack is sealed in an anodized aluminum frame that contains a gel channel to insure a leaktight seal. The filter element is protected by a Stainless Steel diffuser screen which contains penetrations for in room damper adjustments, as well as the measurement of challenge aerosol.

SPECIFICATIONS

Construction

- 0.073 (1.85 mm) anodized aluminum housing
- 0.063 in. (1.6 mm) Mil-finish aluminum lid
- Butterfly damper adjustable from the roomside
- Perforated aluminum diffuser screen
- Aerosol challenge port serviceable from the roomside
- Seismic hangers on each corner of the housing

Roomside Replaceable HEPA Filter

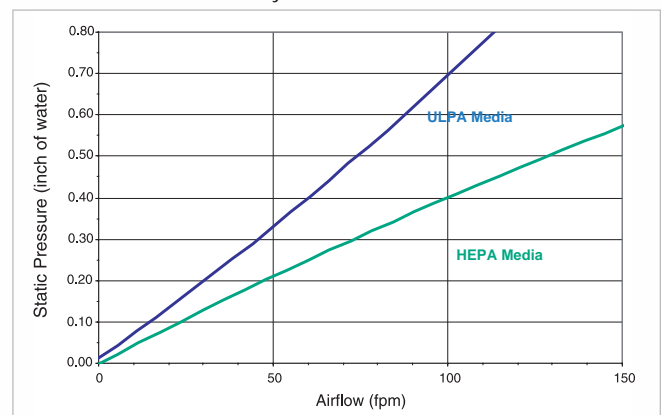
- Microglass fiber with hot melt separators, sealed to an anodized aluminum frame
- HEPA 99.99% efficient @ 0.3 micron, 70mm filter pack
- Silicon based Gel Seal and Knife Edge for positive leak-tightness
- Scan tested to meet or exceed IEST RP-1 requirements

Size and Weight

- Weight: less than 42 lbs. (19.05 kg)
- Total Height: less than 10.128 in. (257.251 mm)
- Inlet duct size: 12 in. (304.8 mm) diameter
- Size: 23.63 in. x 47.63 in. (595 mm x 1195 mm)



Ducted Ceiling Module
Velocity vs Static Pressure



Applications

- Biotech and Pharmaceutical Manufacturing
- Medical Device Manufacturing
- Hospital Pharmacy
- Laboratory Cleanrooms
- Hospital Operating Rooms
- Negative pressure containment systems

Options

- ULPA filter, 99.9995% efficient at 0.12 micron
- Type C or Type F filter certification
- Epoxy powder coated painted exterior
- 10 in. diameter inlet duct
- UL 900 Class 2 HEPA and ULPA filters
- SST Diffuser Screen
- 1.5 SST Perimeter Trim
- 1 vinyl-backed fiberglass insulation