

## APPLICATION

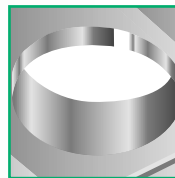
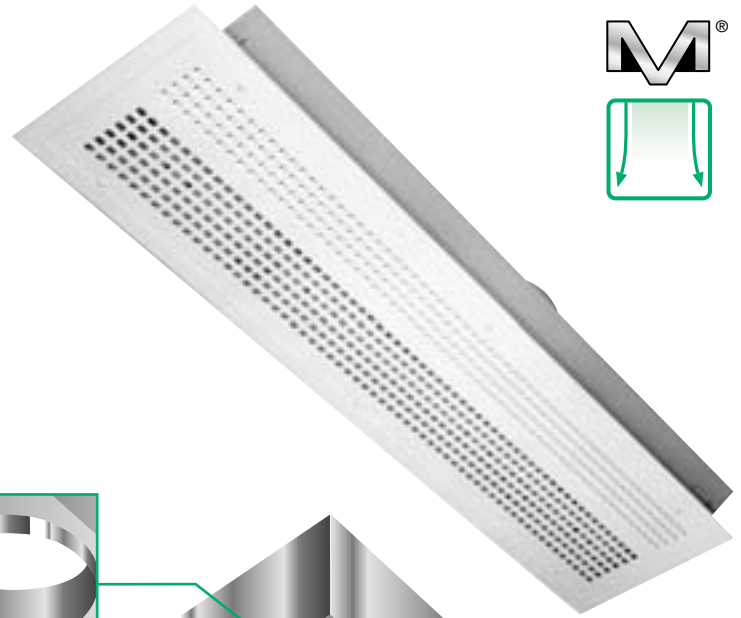
- Perimeter air curtain diffuser used in AORTA systems where "room-side replaceable" HEPA or ULPA filters are required.
- Superior filter design maximizes efficiency and minimizes pressure loss – each Magna-Pak filter is dynamically tested at the factory and labeled with the results.
- Effectively isolates internal critical work envelope from contaminants
- Invisible perimeter barrier creates a "space within a space"

## PANEL FEATURES

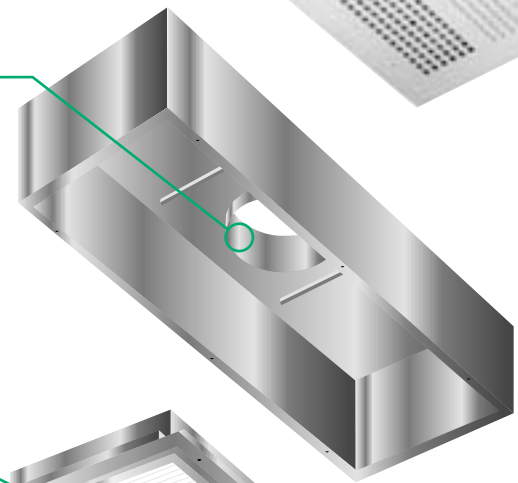
- Perimeter diffuser establishes an outward air curtain between a 5°-15° discharge angle
- Fixed pattern created by stamped control flaps for predictable performance – outperforms slot configurations for directional control
- Filter interface includes knife edge into filter gel seals for zero leak performance
- DOP, pressure ports, and an aerosol injection tube system simplify field verification and certification
- 4 capacity ranges available for extreme design flexibility - system 31, 42, 53, and 64
- Dual chamber design means stable performance regardless of inlet condition or damper position.
- Balancing damper adjustable through hole with removable plug (top inlet location only)
- Removable face via 1/4 turn fasteners for cleaning
- Face is hinged and swings down 90° for easy cleaning. Safety cables prevent face from accidentally swinging down.
- Top or side inlet location
- Closed cell gasket prevents leakage around face
- Available for lay-in T-bar or hard surface ceiling systems

## PANEL OPTIONS

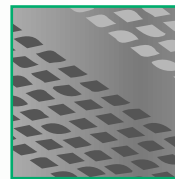
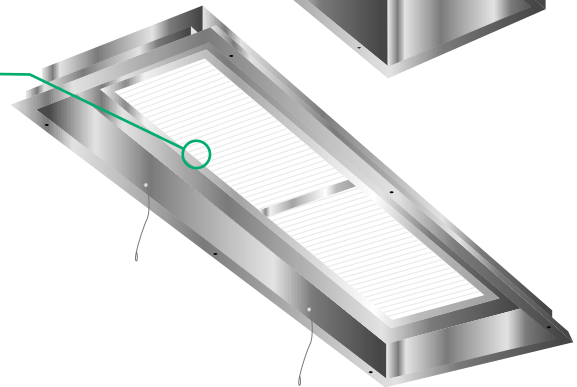
- Light Alert Filter Monitoring System (page A-31)
- Magna-Pak HEPA filters with anodized aluminum framing to precisely fit the MVCF unit (Magna-Pak filters – see page A-31, ordered separately)
- Steel, aluminum, or stainless steel construction
- White, baked epoxy finish, satin polish (stainless steel).
- Aluminum anodized options, contact factory



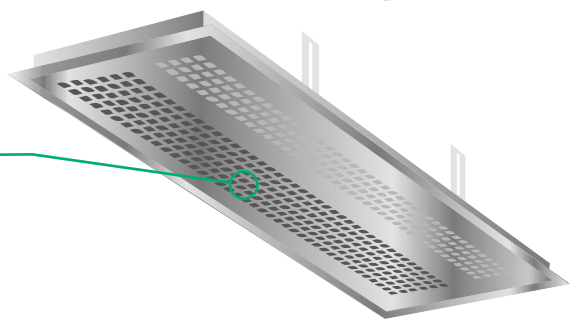
Sub duct assembly



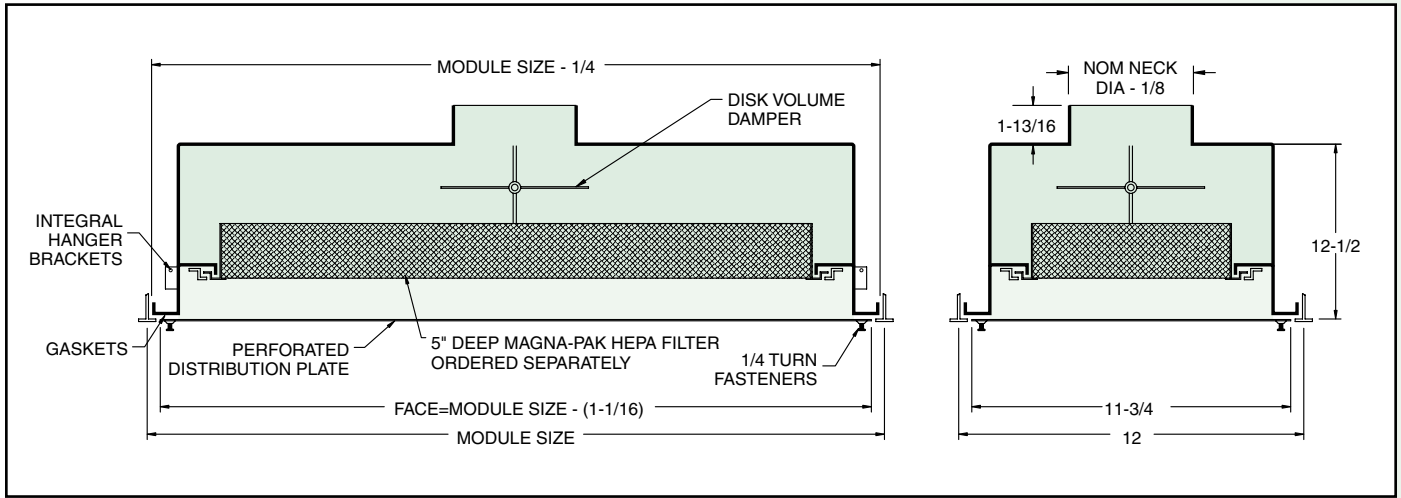
5" deep Magna-Pak HEPA Filter (ordered separately, page A-31)



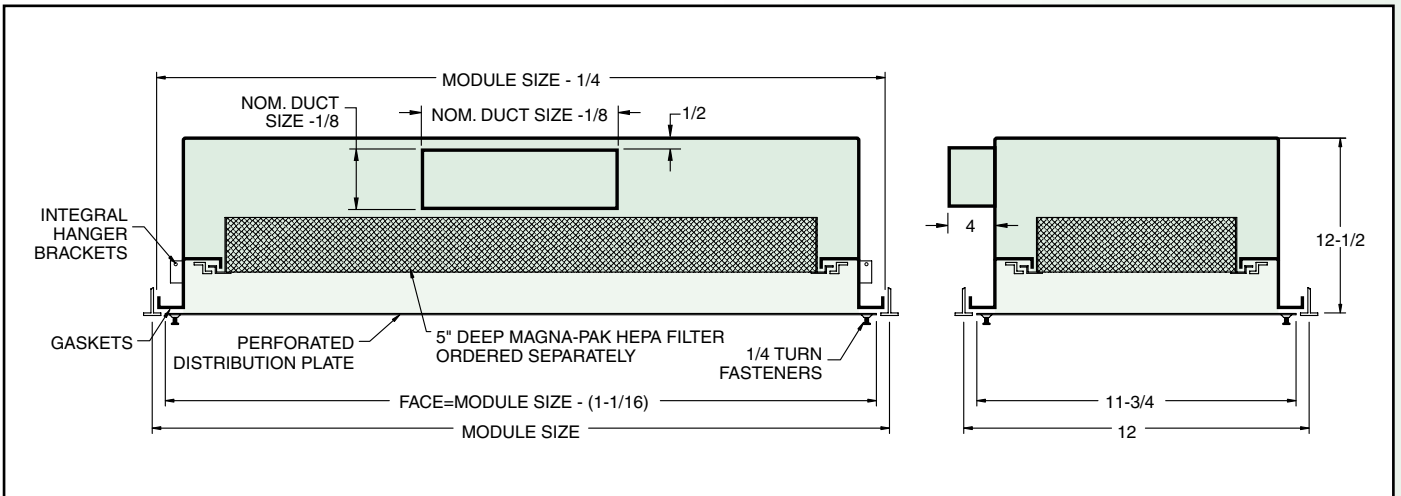
Stamped control flaps for predictable performance - no field adjustments required!



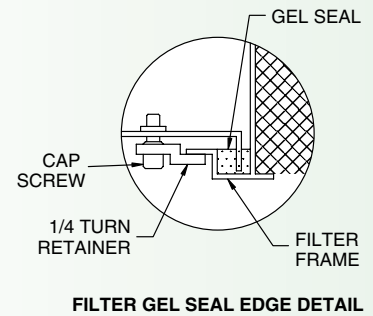
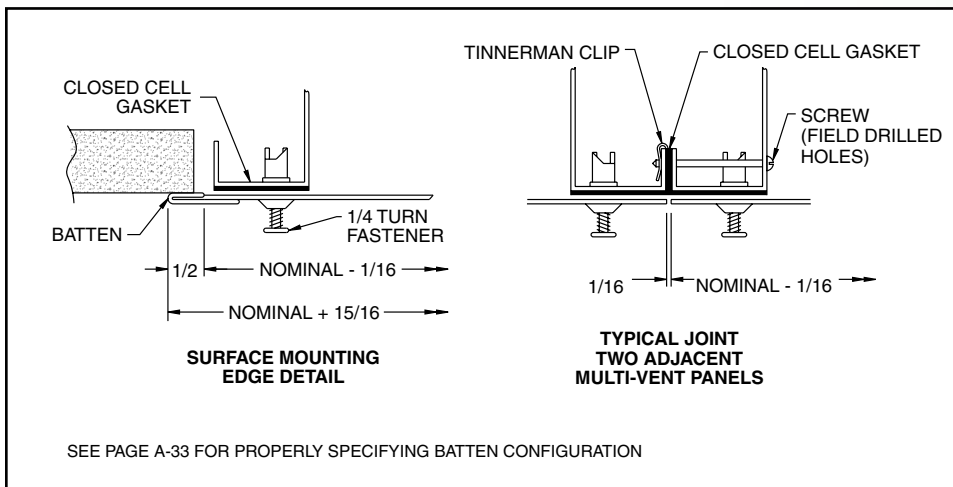
**Model MVCF-T - (Top Inlet) Lay-In T-Bar**



**Model MVCF-T - (Side Inlet) Lay-In T-Bar**



**Model MVCF-P - Surface Mounted**



MVCF DIMENSIONS		
Nom. Length	Top Inlet	Side Inlet
	Max Size	Nom. Duct Size
24	9" DIA	12 x 6
36		
48		
60		
72		

AORTA - Operating Room Systems

B