

Clean Trak®

Flush Grid Benefits

Cleanroom Flexibility. Clean-Trak® allows you to locate walls or curtains any place beneath the ceiling system – you can place walls or strip curtains directly below the filters or the grid structure extrusions – even where lights are installed.

Factory Fabricated and Pre-Engineered. Complete at our factory, Clean-Trak® ceiling modules include; lighting, lamps, ballasts, lenses, fire protection and even pre-wiring for particle counters. Installation takes a fraction of the time, manpower and cost when compared to constructing a conventional stick-built system. Factory welded Clean-Trak® systems guarantee zero leakage for worry-free validation.

Material Options. Clean-Trak® can be fabricated from either stainless steel or powder coated aluminum. Our stainless grid is constructed from seamless proprietary design using 304 or 316 grade materials. All welds are acid washed, ground and polished to a uniform #4 standard finish. Our powder coated aluminum grid utilizes a highly chemical resistant, urethane coating tested to hold up to the typical sanitizing agents used in aseptic processing.

The Best Unidirectional Flow and Lowest Turbulence. Lab tests show that Clean-Trak's narrow grid provides the highest degree of unidirectional airflow throughout the cleanroom suite, particularly when compared with conventional cleanroom grids with teardrop lighting. Studies have demonstrated unidirectional flow is achieved four (4) inches below grid face versus sixteen (16) inches below for a typical tear drop lighted system. Clean-Screens at the grid face have perimeter slots to jet air underneath the grid member or light lens and wash out the area of particles.

Seamless cGMP Design. Clean-Trak® modules are continuously welded creating a seamless wiping surface in the filter cell, thus reducing the potential buildup of bio-burden.

Improved Filter Access. Using only four simple factory-installed clips, attaching the patented CLEANPAK Clean-Screen to the grid is fast and easy. In turn, access to the filters is easy, and system start-up costs and certification time are greatly reduced. Optional hinged screens or post/acorn nut attachment are also available.

Standardized Filter Media. Because Clean-Trak® uses nominal sized HEPA or ULPA filters, cleanroom operators can easily exchange filters with those from other areas or in response to a crisis. Bottom-load design allows operators to easily straight-load the pre-gelged filters into the grid openings. Contaminated gel is replaced every time the filters are replaced.



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Bottom Load Fluid Seals. Clean-Trak® has a superior welded bottom load knifed edge, to seal the filters to the grid channel. This enables loading of filters or blank pans, straight-up, without tipping or rotating them through the grid opening.

Flush Sprinkler Heads. Sprinkler heads are fully concealed and flush with grid face for easy wipe-down. Owner's preference of head type is accommodated in our standard sized grid channel without the need to vary grid profile widths; maintaining consistent on-center openings and nominal filter sizing. Fire protection is FM approved.

Built-in Damper. Optional Equalizer (filter damper) can be used to balance the system with a center board adjustment port in the filter when integrated plenum is used.

Accessory Options. DOP dispersion manifold or ports are available. Pressure ports through the grid or filter are also available.

LIGHTING BENEFITS

Attachment Flexibility. Clean-Trak® lighting interfaces easily with partition wall/curtain wall systems for cost effective and quick reconfiguration of modular envelopes/enclosures.

Plug & Play Design. Snap-in wireways and plug-together electrical connections allow quick, clean installation. Our flexible harness system allows any ballast in the lighting row to be connected to a normal, emergency or UPS power supply via clam shell connectors. This provides design flexibility, especially in large grid/plenum areas, and minimizes the load on emergency or UPS systems.

Easy Maintenance. Lenses snap easily in and out. Available choices of lens colors: clear acrylic, amber UV protective or opaque.

U.L. listed.

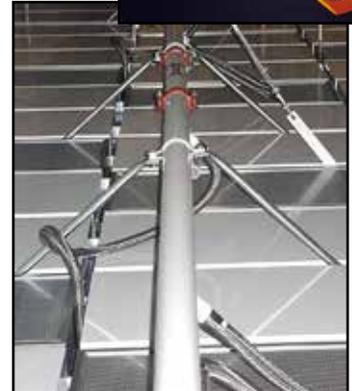
APPLICATIONS

Unidirectional Airflow - Downflow Ceilings & Plenums

Laminar Flow Hoods - Flush Mounted or Surface Mounted

Laminar Flow Booths - 3 Sided or 4 Sided with Hardwall or Softwall Options

Fan Powered Plenums - CLEANPAK Plen-Pak Units



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