

A person wearing a white cleanroom suit, hood, and gloves is working on a piece of equipment. In the background, a computer monitor and keyboard are visible on a desk. The image is split diagonally, with the top-left portion showing the person and the bottom-right portion being white.

BASX
SOLUTIONS

CLEANROOM
SYSTEMS

INNOVATE.DESIGN.MANUFACTURE



Cleanroom Systems

With over 25+ years in custom cleanroom design and manufacturing for some of the biggest names in the biopharmaceutical, semiconductor and medical device companies in the world, BASX Solutions has the experience you can count on to deliver cost-effective solutions that are energy efficient and maximize cleanroom effectiveness.

BASX Solutions offers a wide range of custom designed solutions that meet your requirements for cleanroom environment specifications, from Grade A and B to ISO-3 to ISO-8.

- Make up air handlers
- Recirculation air handlers
- Fan filter units
- Fan powered plenums
- Plenum modules
- Flush grid with integral lighting



Air Handling Units

Whether your needs cover semiconductor or life sciences mission critical applications, BASX make up air handlers, recirculation units and fan filter units are custom designed and manufactured to withstand the harsh chemicals in your demanding environments.

Make Up Air and Recirculation Air Handler Construction Features

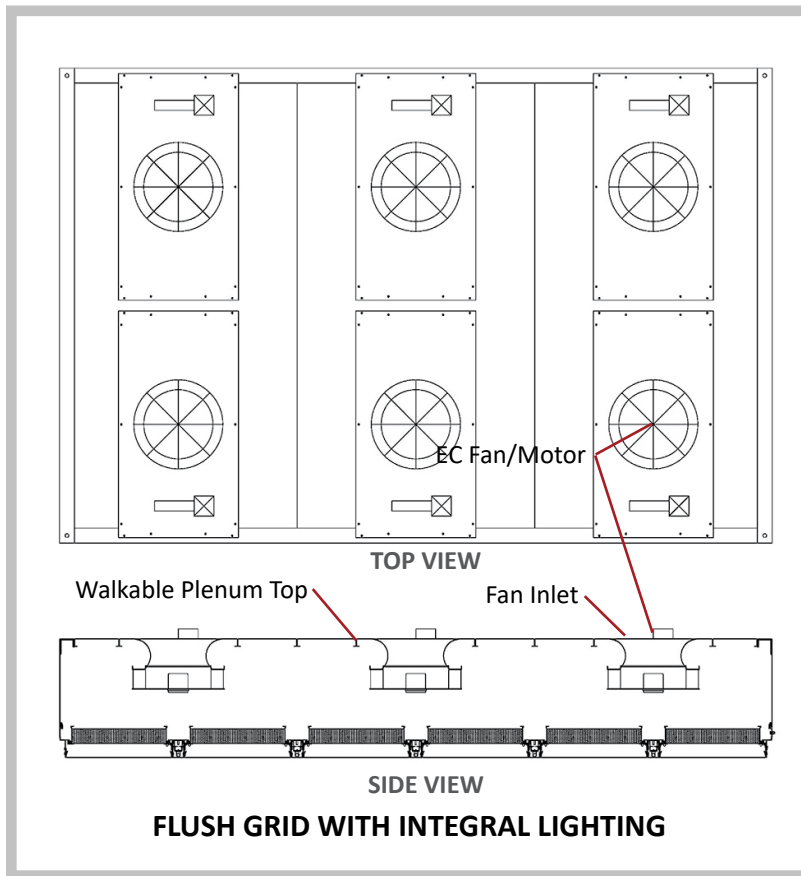
- Indoor or outdoor cabinet construction
- Modular construction
- All welded, heavy-duty structural channel iron frame with lifting brackets
- Steel, aluminum or stainless steel cabinet
- Smooth interior or exterior
- Anti-microbial/anti-corrosive construction
- Foam panel, hybrid foam panel and fiberglass insulation
- Anti-skid and diamond-plate floors
- Powder coat finish to your specification for all cabinets, roof, base, and interior partitions and doors
- Thermal break technology
- Standard and severe duty components
- Optional fan types, styles, and discharge arrangements
- Variable Frequency Drives (VFDs)
- Energy recovery ventilation: wheels, plate, and heat pipe technology
- Chilled water, DX and direct or indirect evaporative cooling options
- Hot water, steam, direct or indirect gas, and electric resistance heating options
- Pre-filters, high efficiency, HEPA/ULPA, odor control media filter options
- Air monitoring devices
- UV lights
- Service vestibules
- Dampers, louvers, and hoods
- Air blenders
- Humidifiers



Fan Powered Plenums

Fan powered plenums are an ideal solution for cleanspace areas that have confined ceiling spaces or have no available ducting to a remote fan or air handler.

- Provides redundancy in the system
- Available with complete control system. Control from a PC with interface to building management system
- Available with handheld controller to individually set and control fan/motor speed

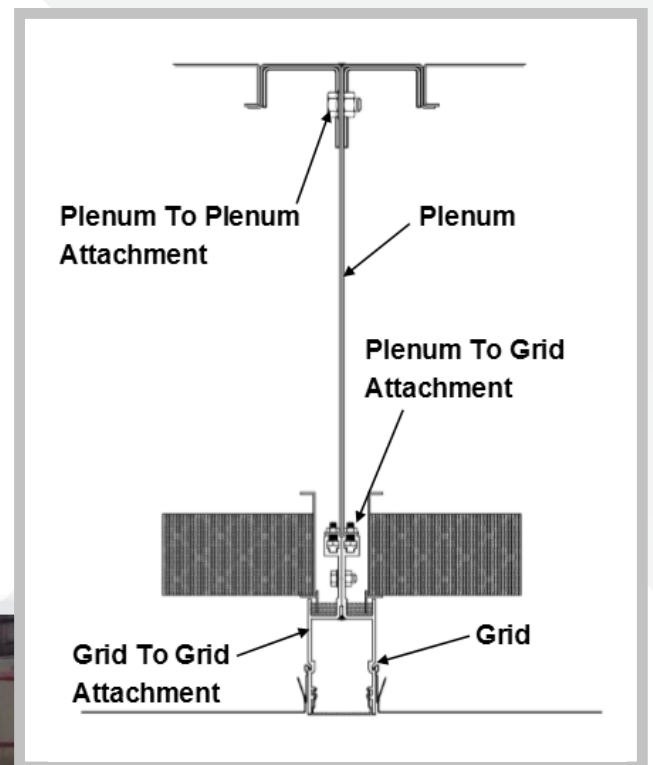


Plenum Modules

Plenum modules eliminate the need for field built ducts and duct collars while reducing overall pressure drop. Plenum modules have the same benefits as flush ceiling grid, including integrated lighting and fire protection, as well as excellent performance.

Able to withstand high point loads with minimum deflection, BASX plenums are able to support recirculation air handlers, live loads and other accessories. Maintenance access to fan modules is made easy via walkable access. Multiple plenums may be served by single air handler with shared air openings.

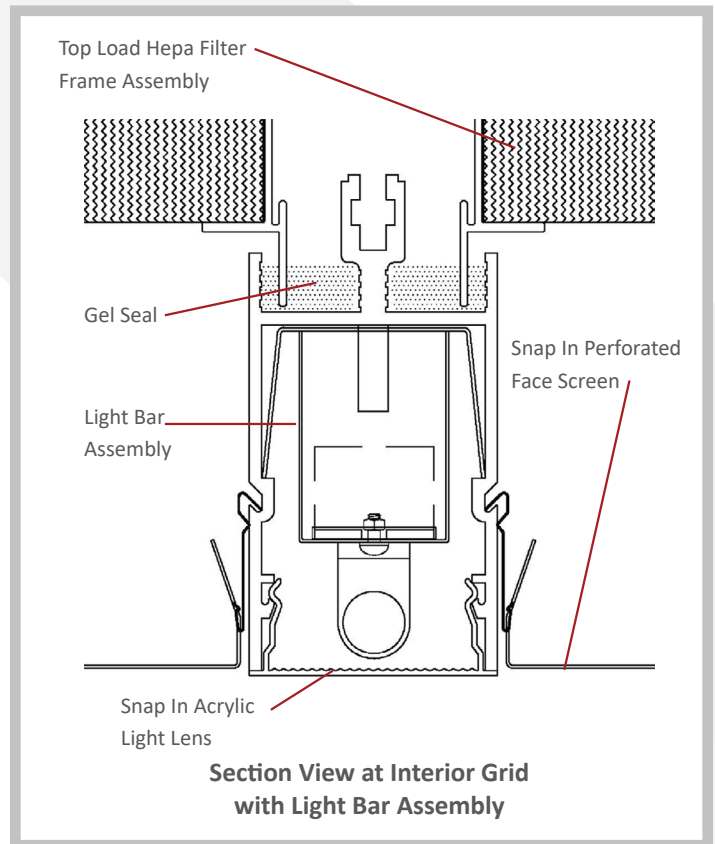
- Provides direct support for recirculation air handlers
- Plenum module eliminates the need for field built plenums
- Shared air openings to adjacent plenums
- Plenum modules are suspended from structure or custom floor mounted support structure can be provided
- Plenum modules are available in sizes upto 8' x 24'



Flush Grid with Integral Lighting

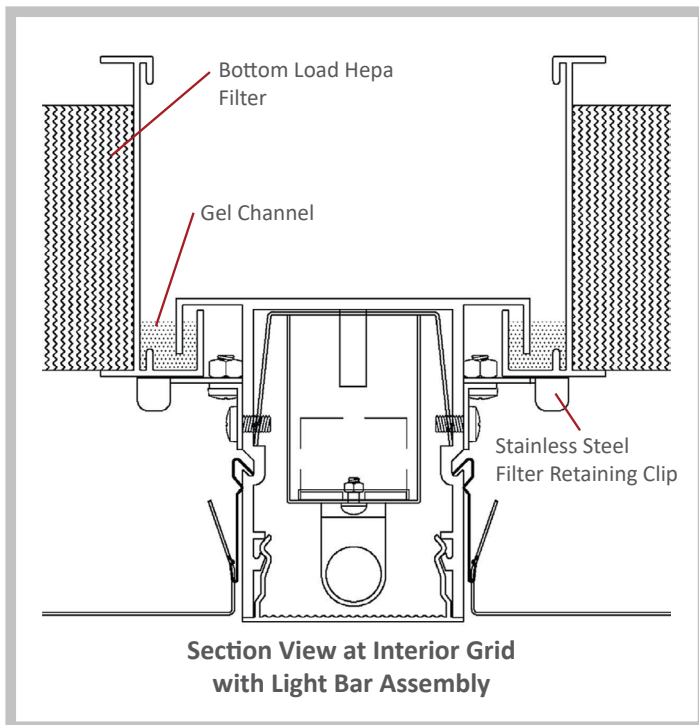
EXTRUDED ALUMINUM TOP LOAD FLUSH CEILING GRID SYSTEM

- 2-1/2" flush hepa grid system with integral light assembly
- Top load with gel in grid frame integral sprinkler connections
- Bottom snap in flush face screen that aerodynamically evens the airflow under the grid
- Grid is a proven product with over 1 million Sq. Ft. installed
- Head track connections available



EXTRUDED ALUMINUM BOTTOM LOAD FLUSH CEILING GRID SYSTEM

- 2 1/2" flush bottom load grid system with integral light assembly
- Welded grid modules manufactured in sizes up to 8' x 24'
- Pre-punched bolt holes for grid to grid attachment



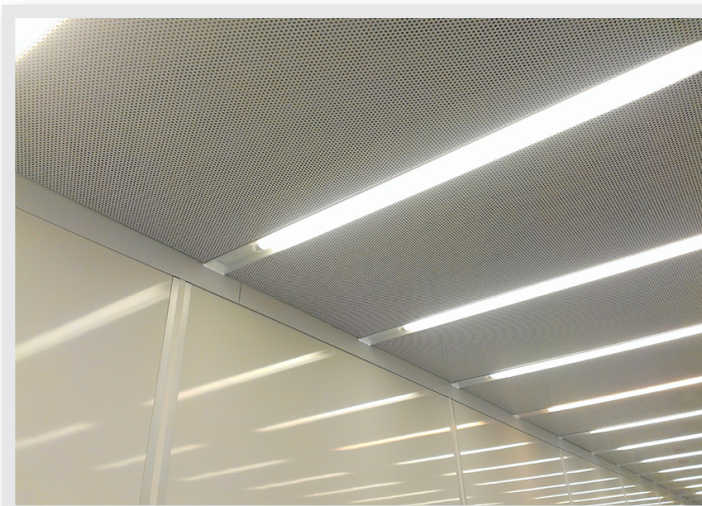
Flush HEPA Grid with Integral Lighting

BASX Flush Grid Ceiling System with integral lighting provides excellent flexibility in cleanroom design solutions. Wall location isn't determined by tear-drop lights, they can go anywhere, below lights, filters, and grid.

Each module is fabricated at the factory; complete with fire protection and LED lighting. Installation time, manpower, and cost are reduced compared to a traditional stick-built ceiling system.

Available as top load, bottom load, stainless steel or powder coated aluminum.

- Top load flush grid with HEPA/ULPA filters
- Bottom load flush grid with HEPA/ULPA filters
- 304 & 316 SS bottom load flush ceiling grid with HEPA ULPA filters



LED LIGHTS

- Integral to flush grid
- Energy efficient
- No deadspots - continuous light
- Lights and drivers have a longer life
- Light level equivalent to T-5
- No fluorescent light tubes - no breakage

LED PRODUCT INFORMATION

- LED lights and driver have a parts only 5 year warranty
- ETL listed light bar assembly
- Light bar with LED lights easily replaced
- Temperature color (CCT of the color of lights)
 - A. LED lights come in 2700, 3000, 3500, 4000 and 5000 kelvin (K)
 - B. BASX LED lights utilize 3500 Kelvin lights. This matches the color of T-8 and T-5 lamps
- Voltage - 120V or 277V is acceptable to the LED driver. The light bar itself operates at 36 volts
- EMI - Low voltage constant current design eliminates EMI
- LED driver can be remotely mounted 10-12 ft from light bar assembly