



# SSLFHFD – Laminar Flow HEPA Filter Diffuser



The SSLFHFD Laminar Flow HEPA Filter Diffuser utilizes well-proven vertical air mass “laminar flow” technology, producing a non-aspirating, low velocity, uniformly distributed downward moving “piston” of conditioned air. The units accommodate a gel seal HEPA or ULPA filter, which can be easily removed and replaced from the face of the unit. They may be used individually, or as in the case of hospital operating rooms, several units may be linked together to produce one large combined laminar mass. Available in Standard Capacity (SC), Medium Capacity (MC) and High Capacity (HC).

## Applications

Hospital operating rooms, research laboratories, animal laboratories, food processing plants, pharmaceutical laboratories and protective environment rooms.

## STANDARD FEATURES

- Type 304 stainless steel construction
- #4 satin polished finish
- SC: 13% Perforated Face – 3/32" Diameter Holes on 60° 1/4" Staggered Centers
- MC: 23% Perforated Face – 3/32" Diameter Holes on 60° 3/16" Staggered Centers
- HC: 33% Perforated Face – 3/16" Diameter Holes on 60° 5/16" Staggered Centers
- Easily removable face secured by 1/4 turn fasteners and safety cables
- Round duct inlets for simple duct connection
- Built-in, adjustable damper disc for even air distribution and field balancing
- Integral damper with screwdriver slot adjustment and easy room-side access
- Integral earthquake hanger tabs
- Compatibility with lay-in T-bar ceiling systems and surface-mount applications
- 2" HEPA (99.99% at 0.3 microns) or 2" ULPA (99.9995% at 0.12 microns) filter
- Filters include clear anodized extruded aluminum frame with test port for damper adjustment, filter pressure drop measurement or to perform leakage (scan) tests
- Filters packed independently from diffuser for final installation in the field

## OPTIONAL FEATURES

- Type 316 stainless steel construction
- Aluminum construction
- Antimicrobial epoxy powder coat finish
- Built-in tunable LED Lights
- Butterfly or bowtie damper – available with remote cable
- PAO challenge system with two 1/2" pressure ports for static pressure and leak testing
- HEPA-Lert filter change needed indicator lamp
- Foil backed insulation (1.5" or 2.25")

