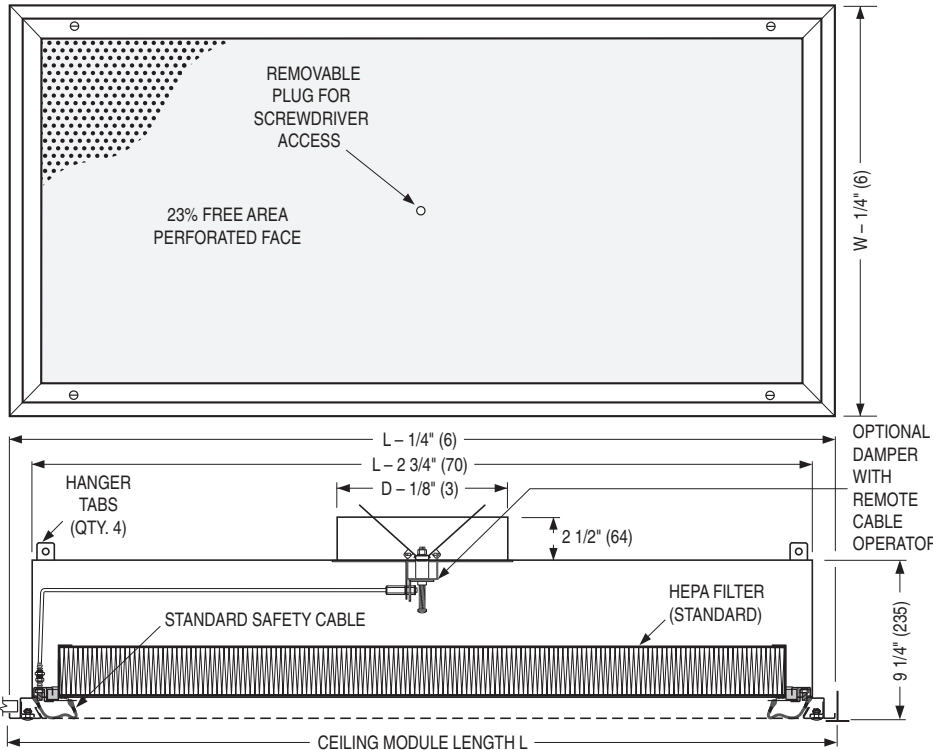
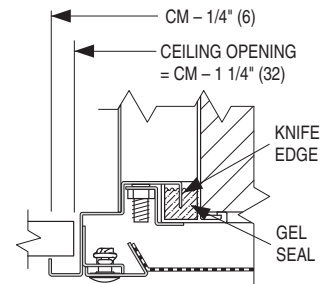




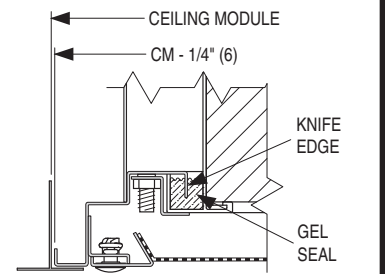
LAMINAR FLOW CEILING DIFFUSER
STAINLESS STEEL • CRITICAL ENVIRONMENT
APPLICATIONS • MEDIUM CAPACITY DESIGN
DOP SCAN TESTED • HEPA OR ULPA FILTER
MODEL: 92LFDMF-SS



TYPE S Surface Mount Detail

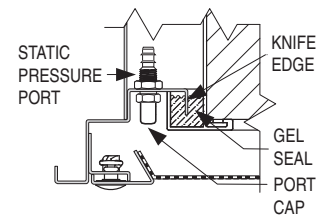


TYPE L* Lay-in T-Bar Detail



* COMPATIBLE WITH T-BARS UP TO 1 1/2" (38) WIDE

Optional Static Pressure Port



Ceiling Module Sizes L x W & Nominal Round Duct Sizes D

| L x W | Imperial Modules (inches) | | 48 x 12 | 60 x 12 | 24 x 24 | 36 x 24 | 48 x 24 | 60 x 24 |
|-------------|---------------------------|--|------------|------------|---------------|---------------|---------------|---------------|
| | Metric Modules (mm) | | 1200 x 300 | 1500 x 300 | 600 x 600 | 900 x 600 | 1200 x 600 | 1500 x 600 |
| Duct Size D | (inches) | | 8 | 10 | 8, 10, 12 | 10, 12, 14 | 10, 12, 14 | 12, 14, 16 |
| | (mm) | | 203 | 254 | 203, 254, 305 | 254, 305, 356 | 254, 305, 356 | 305, 356, 406 |

DESCRIPTION:

The Model 92LFDMF-SS Laminar Flow Diffuser is a medium capacity/airflow range design that produces a non-aspirating, low velocity vertical air pattern. Recommended face velocity is 50 – 90 cfm/sq. ft. Incorporating an extended plenum and a unique frame they are designed to accommodate a Gel Seal HEPA or ULPA filter. The filters can be easily removed and replaced from the face of the unit. Located above the work area, they provide a controlled low velocity downward projection "piston" of conditioned supply air. The "dual chamber" design and internal baffles provide improved air distribution across the perforated diffuser face resulting in superior performance. The only significant amount of room entrainment occurs at the outer boundary of the laminar flow mass. The plenum is factory DOP scan tested for leaks in accordance with Standard IEST-RP-CCO34.3. Applications include clean rooms such as research laboratories, animal labs, food processing, pharmaceutical labs and computer rooms where localized heavy cooling loads present a problem.

CONSTRUCTION:

- 304 stainless steel frame and perforated face with 3/32" (2.4) dia. holes on 60 degree 3/16" (5) staggered centers (23% free area). The face plate is removable for cleaning and is secured by 1/4 turn fasteners.
- 304 stainless steel fully welded plenum and perforated disc type damper.
- Standard safety cables prevent accidental dropping of removable face.
- HEPA Filter: Clear anodized extruded aluminum filter frame with port for damper adjustment.
- Standard finish is #4 Brushed Satin Polished.

OPTIONS AND ACCESSORIES:

- | | | |
|-------------------------------|---|--|
| <input type="checkbox"/> 316 | Stainless Steel construction. | Finish: |
| <input type="checkbox"/> UL | ULPA Filter (99.9995% on 0.12 μm). | <input type="checkbox"/> AW Appliance White. |
| <input type="checkbox"/> FBO | Filter by others. | <input type="checkbox"/> BW British White. |
| <input type="checkbox"/> BDS | Butterfly damper, Stainless Steel (face operated). | |
| <input type="checkbox"/> BDSR | Butterfly damper w/remote cable operator, Stainless Steel. | |
| <input type="checkbox"/> RDS | Radial opposed blade damper, Stainless Steel (face operated). | |
| <input type="checkbox"/> RDSR | Radial opposed blade damper, Stainless Steel w/remote cable operator. | |
| <input type="checkbox"/> EX | External foil-back insulation (installed) – R-4.2. | |
| <input type="checkbox"/> SPP | Static pressure test/DOP port. | |
| <input type="checkbox"/> CPM | DOP/PAO Challenge Port and Manifold. | |
| <input type="checkbox"/> LFI | LED Loaded Filter Indicator. | |
| <input type="checkbox"/> PDB | Perforated Diffusion Basket. | |
| <input type="checkbox"/> STC | Scan Testing Certificate. | |

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Dimensions are in inches (mm).

| DATE | B SERIES | SUPERSEDES | DRAWING NO. |
|------------|----------|------------|-------------|
| 8 - 1 - 17 | 9200 | 9 - 2 - 16 | 92LFDMF-SS |