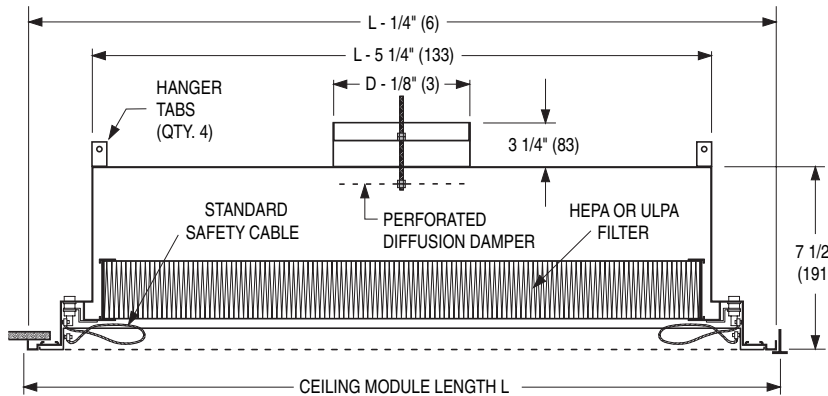
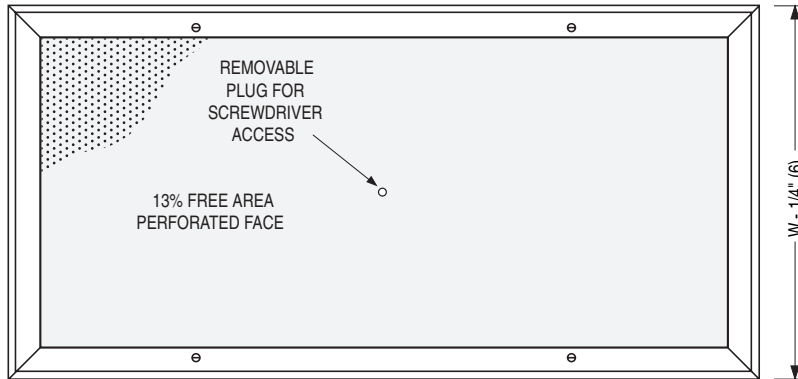
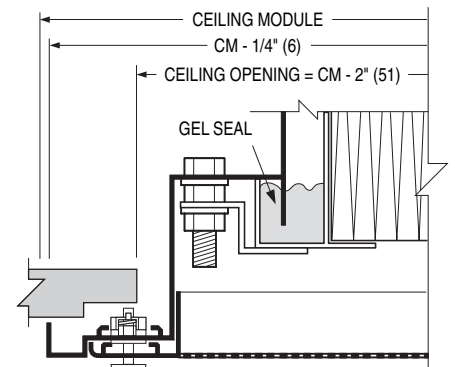




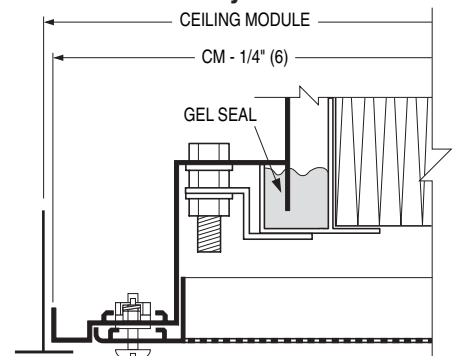
LAMINAR FLOW CEILING DIFFUSER WITH FILTER RACK
ALUMINUM • LOW CAPACITY DESIGN • HEPA OR
ULPA FILTER
MODEL: 92LFDF-AL



TYPE S Surface Mount Detail



TYPE L* Lay-in T-Bar Detail



*Compatible with 15/16" (24) or 1" (25) T-Bar only.

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)	6	6	6, 7, 8	6, 7, 8, 10	7, 8, 10, 12	10, 12
	(mm)	152	152	152, 178, 203	152, 178, 203, 254	178, 203, 254, 305	254, 305

CLEANROOM APPLICATIONS:
For DOP/PAO Scan tested model, cable operated damper and other options, see Model 92LFDFS-AL.

DESCRIPTION:

The Model 92LFDF-AL Laminar Flow Diffuser is a low capacity/airflow range design that produces a non-aspirating, low velocity vertical air pattern. Recommended face velocity is 20 – 60 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. Installed above the operating table in a hospital operating room, the 'clean' conditioned air flows over the operating table so helping to protect and effectively isolate the patient from contaminated air. The installed HEPA or ULPA filter together with the diffusion damper equalizes air distribution across the perforated face resulting in excellent performance. The only significant amount of room air entrainment occurs at the outer boundary of the laminar flow mass, outside the confines of the operating table. Other applications include non-critical budgetary research laboratories, animal labs, food processing and computer rooms where localized heavy cooling loads present a problem.

CONSTRUCTION:

1. Extruded aluminum frame and aluminum perforated face with 3/32" (2.4) dia. holes on 60 degree 1/4" (6) staggered centers (13% free area). The face plate is removable for cleaning and is secured by 1/4 turn fasteners.
2. Aluminum backpan and disk type damper. Damper adjustment through removable face plug.
3. Standard safety cables prevent accidental dropping of removable face.
4. HEPA Filter: Clear anodized extruded aluminum filter frame with port for damper adjustment.
5. Standard finish is AW Appliance White.

OPTIONS:

- UL ULPA Filter (99.9995% on 0.12 µm).
 - FBO Filter by others.
 - EX External foil-back insulation (installed) – R-4.2.
- Finish:
- SP Special _____ .

SCHEDULE TYPE

PROJECT

ENGINEER

CONTRACTOR

Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

7 - 11 - 19

9200

6 - 27 - 19

92LFDF-AL