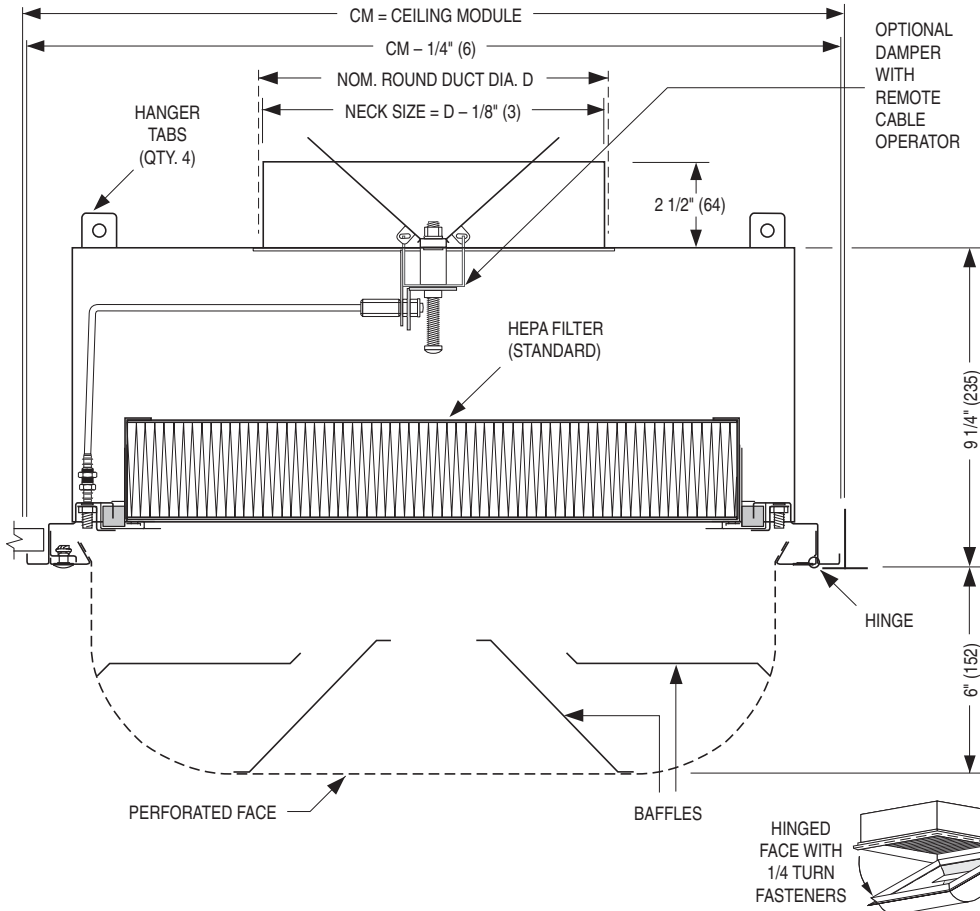


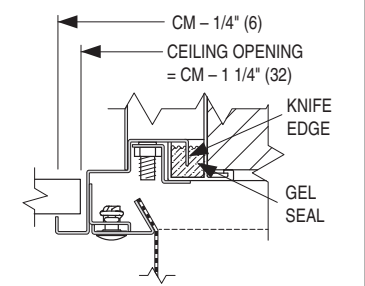


RADIAL PATTERN DIFFUSER

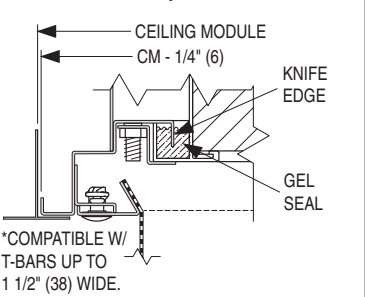
180 DEGREE • ALUMINUM • CRITICAL ENVIRONMENT APPLICATIONS • PERFORATED FACE • HEPA OR ULPA FILTER • DOP SCAN TESTED
MODEL: 92RPDF-2AL



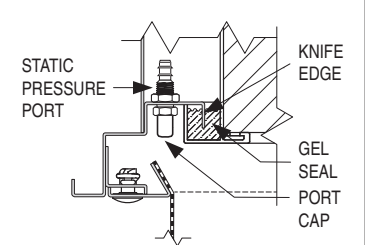
TYPE S Surface Mount Detail



TYPE L* Lay-in T-Bar Detail



Optional Static Pressure Port



Ceiling Module Sizes

Imperial Modules				Metric Modules	
Imperial Units (inches)		S.I. Units (mm)		S.I. Units (mm)	
D	CM	D	CM	D	CM
8, 10	24 x 24	203, 254	610 x 610	203, 254	600 x 600
10, 12	48 x 24	254, 305	1219 x 610	254, 305	1200 x 600

DESCRIPTION:

The Model 92RPDF-2AL Radial Pattern Diffuser has been designed to provide low aspiration and high ventilation rates especially for clean room applications such as research laboratories, animal labs, food processing, hospital rooms and computer rooms. The unique design of solid baffles in an intrusive perforated face can handle large volumes of air with low initial face velocities. 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. The plenum is factory DOP scan tested for leaks in accordance with Standard IEST-RP-CCO34.3. The 92RPDF-2AL introduces air in semi-cylindrical radial flow pattern, flushing a room with large volumes of clean conditioned air, minimizing entrainment and hence mixing with contaminated air while still allowing low room air velocities.

CONSTRUCTION:

1. Aluminum perforated face with 3/32" (2.4) dia. holes on 60 degree 1/4" (6) staggered centers (13% free area). The face of the diffuser is attached to the plenum with stainless steel hinges. The opposite side is secured with 1/4 turn fasteners. The diffuser face simply hinges down for easy access to the interior for cleaning.
2. 304 stainless steel fully welded plenum and baffles.
3. HEPA Filter: Clear anodized extruded aluminum filter frame with port for damper adjustment.
4. Standard finish is AW Appliance White.

OPTIONS:

- UL ULPA Filter (99.9995% on 0.12 μm).
 - FBO Filter by others.
 - BDS Butterfly damper, Stainless Steel (face operated).
 - BDSR Butterfly damper w/remote cable operator, Stainless Steel.
 - SPP Static pressure test/DOP port.
 - CPM DOP/PAO Challenge Port and Manifold.
 - STC Scan Testing Certificate.
- Finish:
 SP Special _____ .

Dimensions are in inches (mm).

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	10 - 27 - 15	9200	NEW	92RPDF-2AL