

FRFD

FLUSH FACE RADIAL FLOW DIFFUSER

FEATURES:

- THE FRFD IS DESIGNED TO PROVIDE HIGH-CAPACITY AIRFLOW WITH A FULL RADIAL AIRFLOW PATTERN, LOW INITIAL FACE VELOCITY, AND MINIMAL ENTRAINMENT OF ROOM AIR.
- FLUSH FACE RADIAL FLOW DIFFUSERS ARE COMMONLY USED IN LABORATORIES AND AIRBORNE INFECTIOUS ISOLATION ROOMS WHERE SHORT THROW AND HIGH AIRFLOW CAPACITY ARE REQUIRED TO PROVIDE A HIGH LEVEL OF DILUTION WHILE MAINTAINING OCCUPANT COMFORT.
- THE FLUSH FACE DESIGN PREVENTS INTERFERENCE WITH CEILING MOUNTED EQUIPMENT AND IS AVAILABLE WITH ANGLED DEFLECTOR VANES OR A PERFORATED FACE.



2-WAY FULL RADIAL AIRFLOW PATTERN



1-WAY HALF RADIAL AIRFLOW PATTERN
WITH PERFORATED FACE

PRICE | **CRITICAL ENVIRONMENTS**

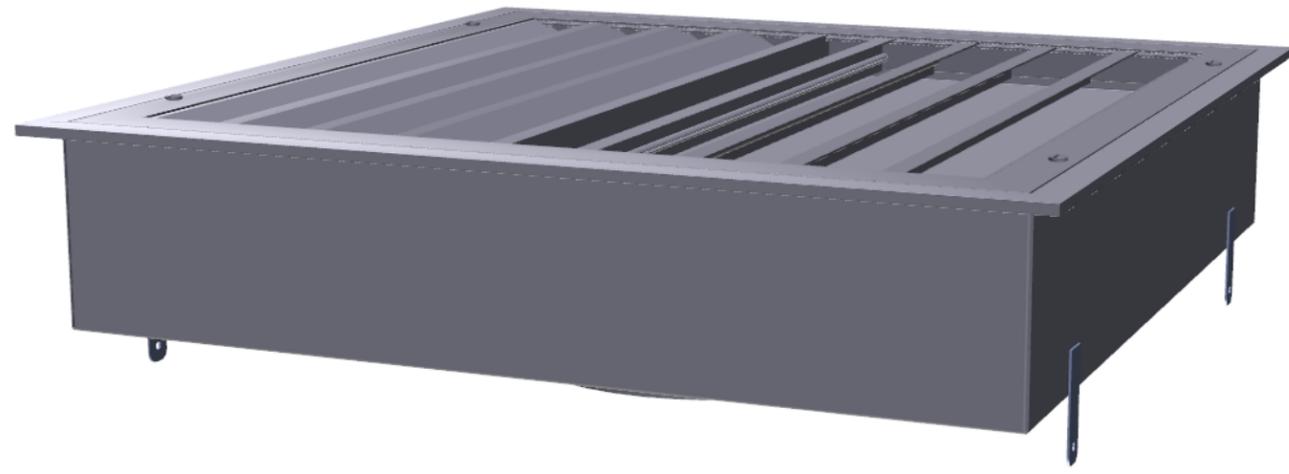
PROJECT:

274132

Revision: A

09-28-2022

FRFD ^{360°}
FLUSH FACE RADIAL FLOW DIFFUSER
3D INTERACTIVE MODEL



CONFIGURATION SHOWN:
24x24 UNIT SIZE
10" ROUND INLET
2-WAY FULL RADIAL PATTERN

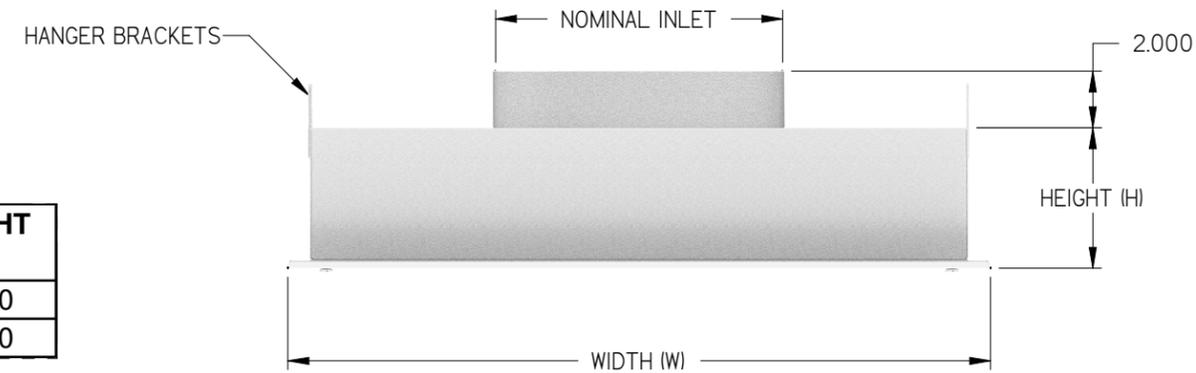
- USE THE SCROLL WHEEL TO ZOOM
- HOLD DOWN THE LEFT MOUSE TO ROTATE
- HOLD DOWN CTRL AND LEFT MOUSE TO MOVE



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FLUSH FACE RADIAL FLOW DIFFUSER CONSTRUCTION DETAILS



NOMINAL UNIT SIZE	WIDTH (W)	LENGTH (L)	HEIGHT (H)
24x24	23.750	23.750	4.750
24x48	23.750	47.750	4.750

- STANDARD CONSTRUCTION:**
- SPOT WELDED PLENUM SEAMS
 - QUICK RELEASE 1/4 TURN FASTENERS
 - TWO STAINLESS STEEL RETAINER CABLES PER UNIT

- NOTES:**
- FACTORY TOLERANCE +/- 1/32"

- PLENUM MATERIAL**
- ALUMINUM
 - STEEL
 - STAINLESS STEEL

- FACE MATERIAL**
- ALUMINUM
 - STAINLESS STEEL

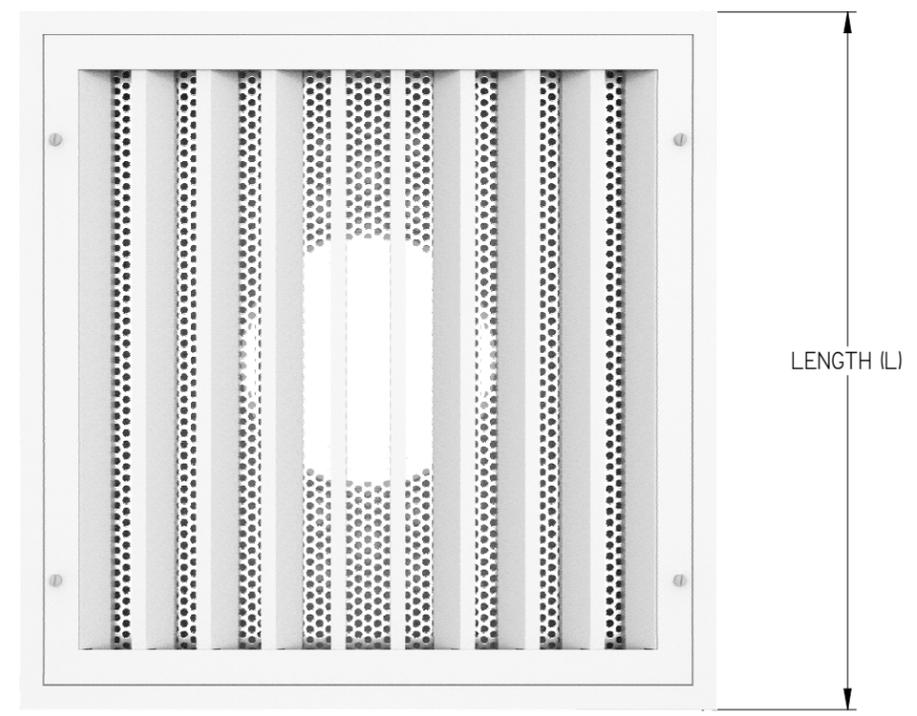
- PLENUM FINISH**
- B12 STANDARD WHITE
 - 2B STAINLESS STEEL MILL (ONLY AVAILABLE WITH STAINLESS PLENUM)
 - B25 CUSTOM MATCHED COLOR

- FACE FINISH**
- B12 STANDARD WHITE
 - #4 BRUSHED STAINLESS (ONLY AVAILABLE WITH STAINLESS FACE)
 - B25 CUSTOM MATCHED COLOR

- INLET SIZES**
- 8" ROUND
 - 10" ROUND
 - 12" ROUND

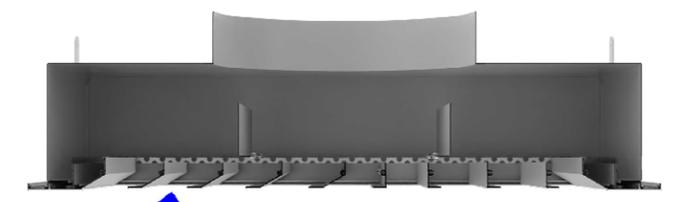
- FACE STYLE**
- 1-WAY HALF RADIAL PATTERN
 - 2-WAY FULL RADIAL PATTERN
 - PERFORATED FACE WITH 1-WAY HALF RADIAL PATTERN
 - PERFORATED FACE WITH 2-WAY FULL RADIAL PATTERN

- OPTIONS**
- CW - CONTINUOUSLY WELDED VERTICAL PLENUM SEAMS, SPOT WELED INLET (NOT AVAILABLE WITH STEEL PLENUM)
 - VCR8E - BUTTERFLY DAMPER, WHITE POWDER COATED STEEL BLADES
 - VCR8ESS - BUTTERFLY DAMPER, STAINLESS STEEL BLADES
 - AFI-50 - 0.5" THICK ALUMINUM FOIL-BACKED FIBREGLASS EXTERNAL INSULATION
 - PF - PROTECTIVE FILM



2 WAY FULL RADIAL AIRFLOW PATTERN

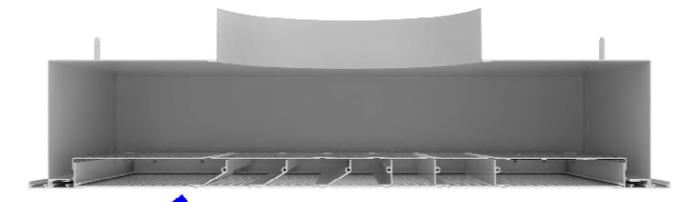
SECTION VIEWS



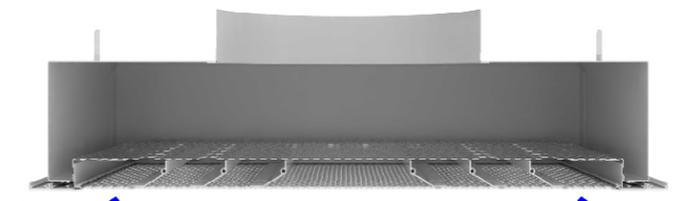
1-WAY HALF RADIAL AIRFLOW PATTERN



2-WAY FULL RADIAL AIRFLOW PATTERN



PERFORATED FACE WITH 1-WAY HALF RADIAL AIRFLOW PATTERN



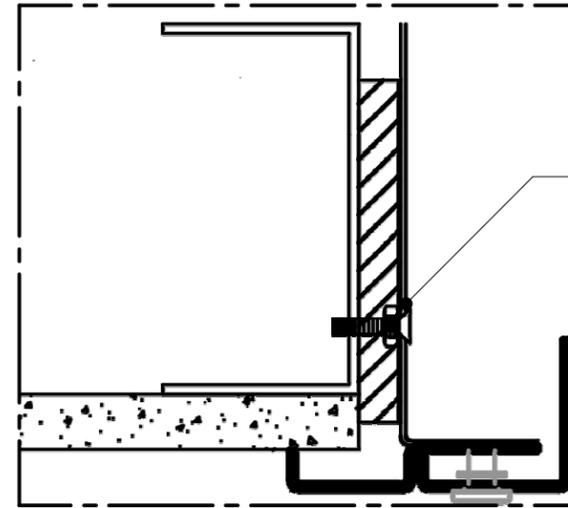
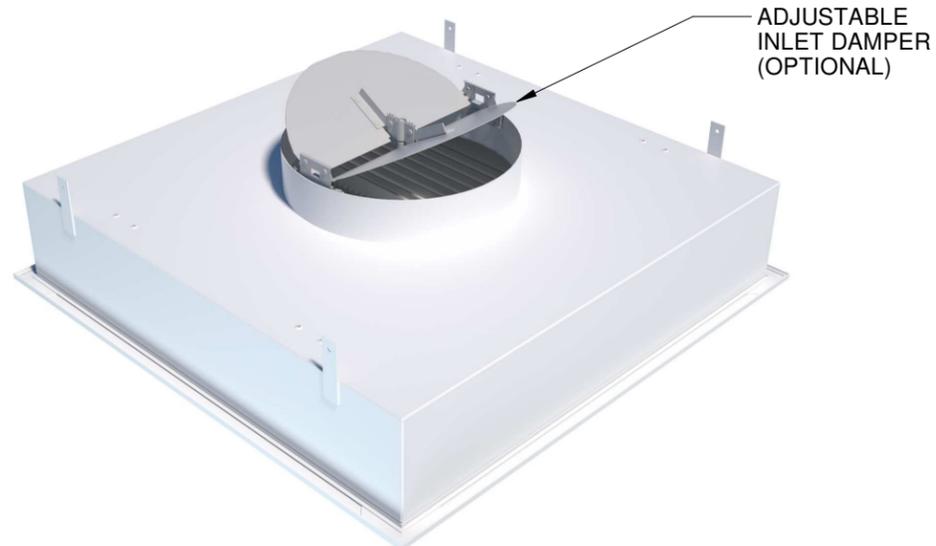
PERFORATED FACE WITH 2-WAY FULL RADIAL AIRFLOW PATTERN



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274132	Revision: A	09-28-2022

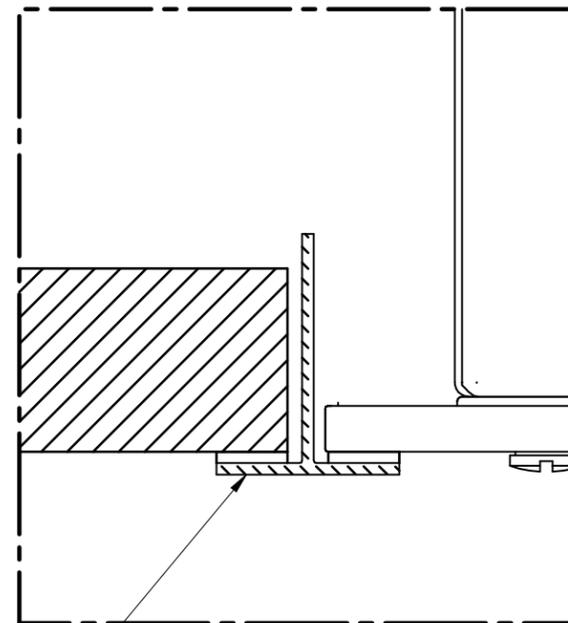
FRFD

FLUSH FACE RADIAL FLOW DIFFUSER FACE INSTALLATION, DAMPER & CEILING MOUNTING DETAILS



BLOCKING AND FASTENER
BY OTHERS

SURFACE MOUNTING DETAIL



T-BAR MOUNTING DETAIL

NOTES:

- LAY IN CEILING INSTALLATION ONLY. UNIT SIZE DESIGNED FOR 1" WIDE T-BAR OR 1.5" WIDE T-BAR.
- FOR SURFACE MOUNT INSTALLATION ORDER SEPARATE HOSPITAL GRADE MOUNTING FRAME. SEE HGMF SUBMITTAL HERE.

PRICE | **CRITICAL ENVIRONMENTS**

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FLUSH FACE RADIAL FLOW DIFFUSER
SUPPORTING CONTENT



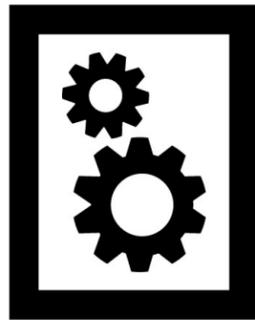
CATALOGS & LITERATURE

FRFD FLUSH FACE RADIAL FLOW DIFFUSER CATALOG
FRFD FLUSH FACE RADIAL FLOW DIFFUSER PERFORMANCE DATA
FRFD FLUSH FACE RADIAL FLOW DIFFUSER PERFORMANCE DATA (METRIC)



SUBMITTALS

CEA CRITICAL ENVIRONMENTS COMPONENTS AND ACCESSORIES SUBMITTAL
HGMF HOSPITAL GRADE MOUNTING FRAME SUBMITTAL



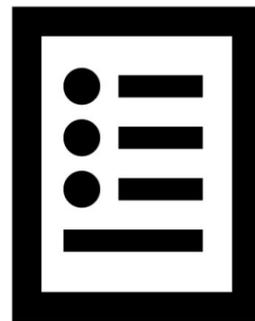
MANUALS

CRITICAL ENVIRONMENTS DIFFUSERS INSTALLATION MANUAL



WEBSITE

FOR MORE INFORMATION, VISIT [PRICEINDUSTRIES.COM](https://www.priceindustries.com)



SPECIFICATIONS

FLUSH FACE RADIAL FLOW DIFFUSER SPECIFICATION



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