

RAVD

RADIAL ADJUSTABLE VANE DIFFUSER

FEATURES:

- DESIGNED FOR HIGH CAPACITY AIRFLOW AND PRODUCES A LOW VELOCITY, MULTI-DIRECTIONAL AIR PATTERN WITH FIELD ADJUSTABLE VANES
- THE RAVD IS AVAILABLE WITH A 2-WAY FULL RADIAL, 1-WAY HALF RADIAL OR 2-WAY HORIZONTAL AIR PATTERN AND FEATURES FIELD ADJUSTABLE VANES FOR FINE TUNING OF THE AIRFLOW PATTERN.



3-WAY FULL RADIAL AIRFLOW PATTERN
WITH PERFORATED CENTER FACE

PRICE | **CRITICAL ENVIRONMENTS**

PROJECT:

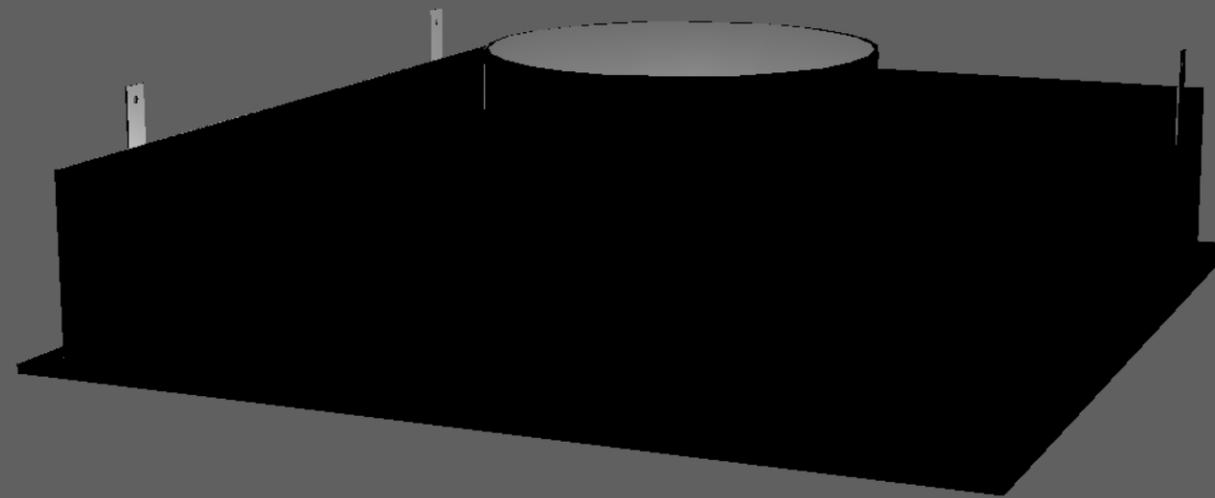
274135

Revision: 0

07-15-2022

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**RADIAL ADJUSTABLE VANE DIFFUSER
3D INTERACTIVE MODEL**



CONFIGURATION SHOWN:

24x24 UNIT SIZE
10" ROUND INLET
3 WAY FULL RADIAL PATTERN WITH PERFORATED CENTER FACE

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

PRICE | **CRITICAL ENVIRONMENTS**

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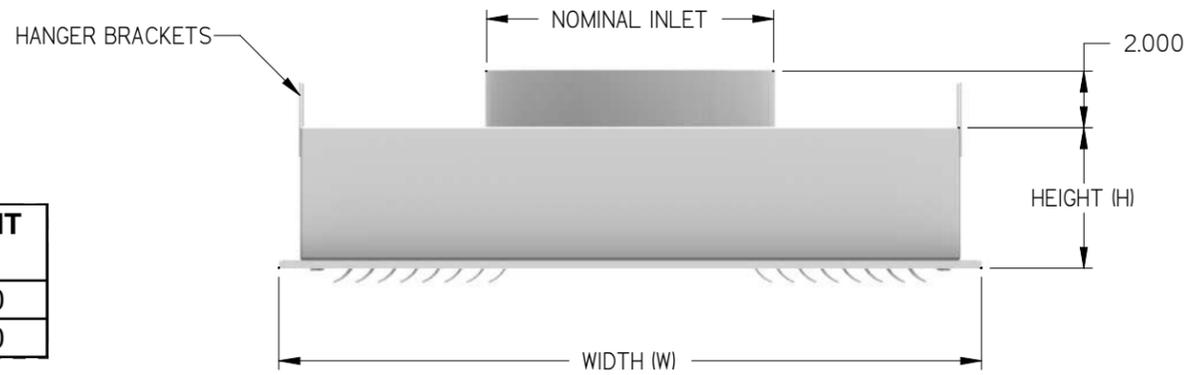
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RADIAL ADJUSTABLE VANE DIFFUSER CONSTRUCTION DETAILS



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
- ALUMINUM ADJUSTABLE BLADES
- QUICK RELEASE 1/4 TURN FASTENERS
- TWO STAINLESS STEEL RETAINER CABLES PER UNIT

NOTES:

- FACTORY TOLERANCE +/- 132 (1)

PLENUM MATERIAL

- ALUMINUM
- STEEL

FACE MATERIAL

- ALUMINUM

PLENUM FINISH

- B12 STANDARD WHITE (OPTIONAL FINISH AVAILABLE)

FACE FINISH

- B12 STANDARD WHITE (OPTIONAL FINISH AVAILABLE)

INLET SIZES

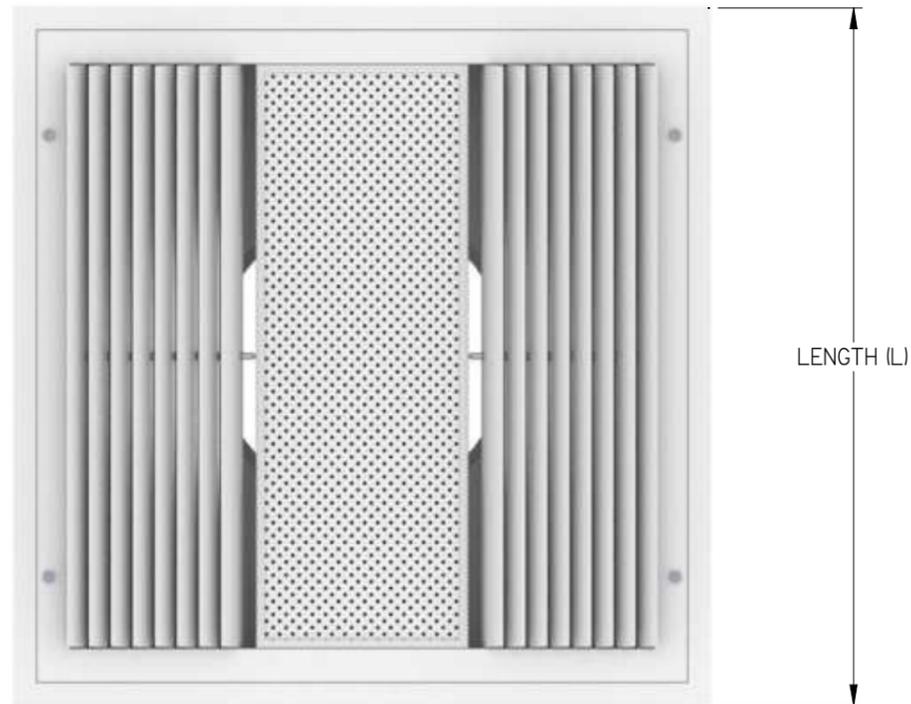
- 8" ROUND
- 10" ROUND
- 12" ROUND

AIR PATTERN

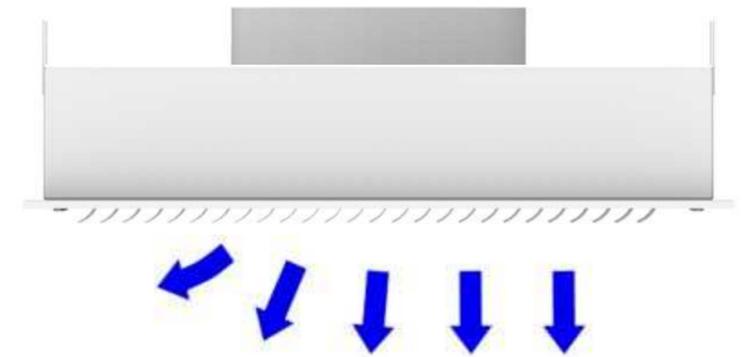
- 1-WAY HALF RADIAL PATTERN
- 2-WAY HORIZONTAL RADIAL PATTERN
- 3-WAY FULL RADIAL PATTERN
- 3-WAY FULL RADIAL PATTERN WITH PERFORATED CENTER FACE

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



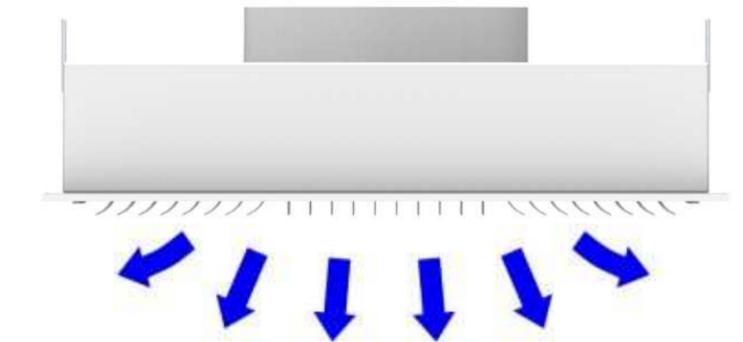
3 WAY FULL RADIAL AIRFLOW PATTERN WITH PERFORATED CENTER FACE



1 WAY HALF RADIAL AIRFLOW PATTERN



2 WAY HORIZONTAL RADIAL AIRFLOW PATTERN



3 WAY FULL RADIAL AIRFLOW PATTERN

PRICE | **CRITICAL ENVIRONMENTS**

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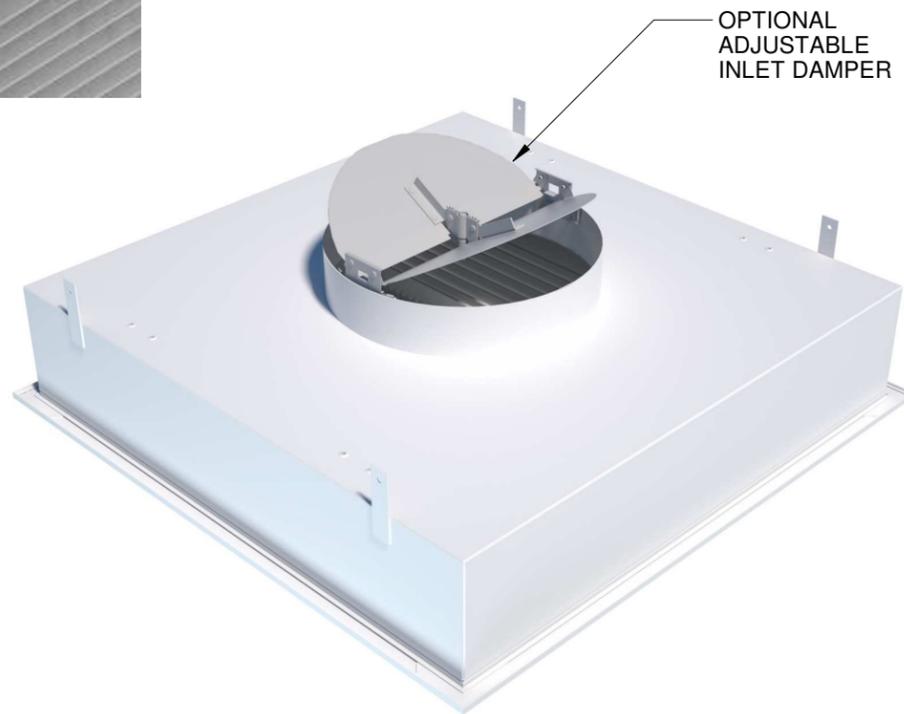
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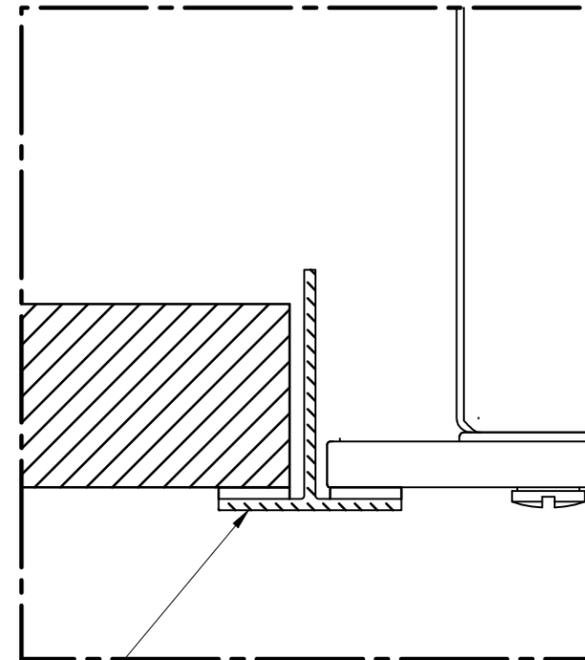
RADIAL ADJUSTABLE VANE DIFFUSER FACE INSTALLATION & CEILING MOUNTING DETAILS



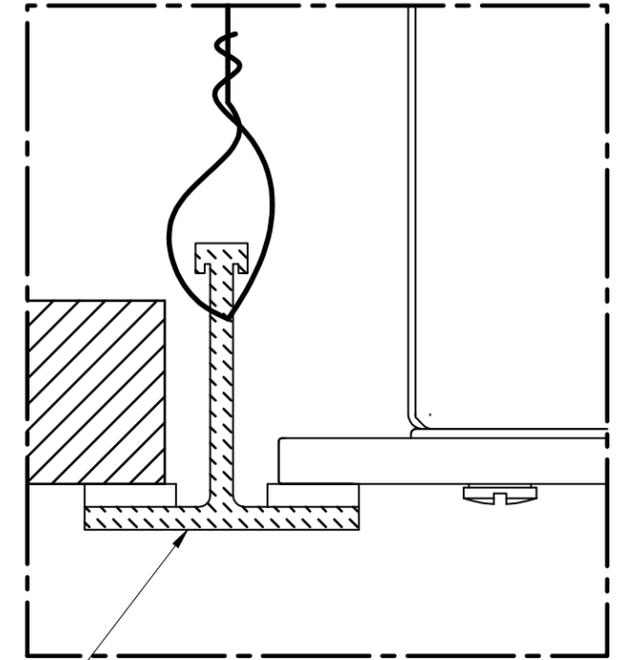
QUICK RELEASE
1/4 TURN FASTENERS



OPTIONAL
ADJUSTABLE
INLET DAMPER



FOR 15/16" (23), 1-1/2" (38) CLEANROOM TEE
INSTALLED BY OTHERS



SURFACE MOUNTING
USING HGMF OR MOUNTING FRAME
BY OTHERS

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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RADIAL ADJUSTABLE VANE DIFFUSER SUPPORTING CONTENT



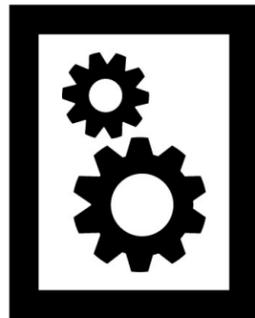
CATALOGS & LITERATURE

RAVD RADIAL ADJUSTABLE VANE DIFFUSER CATALOG
RAVD RADIAL ADJUSTABLE VANE DIFFUSER PERFORMANCE DATA
RAVD RADIAL ADJUSTABLE VANE 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

RADIAL ADJUSTABLE VANE DIFFUSER SPECIFICATION



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