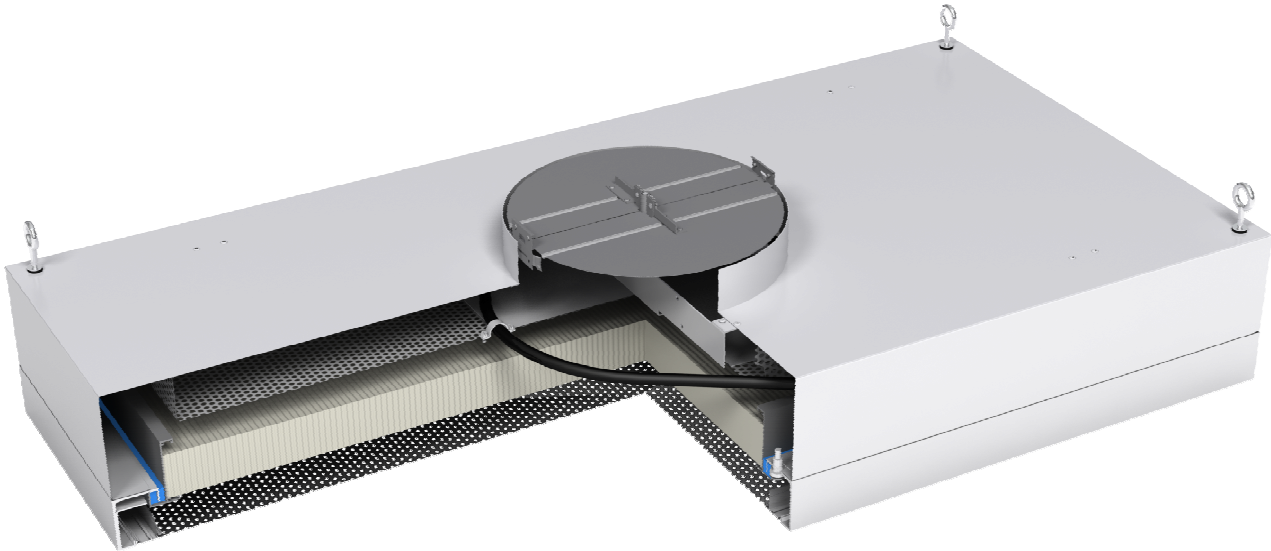


ASPIRE

LAMINAR FLOW DIFFUSER WITH HEPA FILTER

FEATURES:

- THE ASPIRE CONTROLS PARTICULATE CONCENTRATION WITHIN A ROOM BY PROVIDING UNIDIRECTIONAL LAMINAR AIRFLOW WITH LOW INITIAL FACE VELOCITY, SUPPLYING CLEAN, HEPA FILTERED AIR TO THE SPACE
- ROOM-SIDE REPLACEABLE HEPA FILTER REMOVES 99.99% OF AIRBORNE CONTAMINANTS
- AEROSOL SAMPLE AND STATIC PRESSURE PORT AND OPTIONAL AEROSOL INJECTION PORT FACILITATE ROOM-SIDE AEROSOL CHALLENGE OF THE DIFFUSER

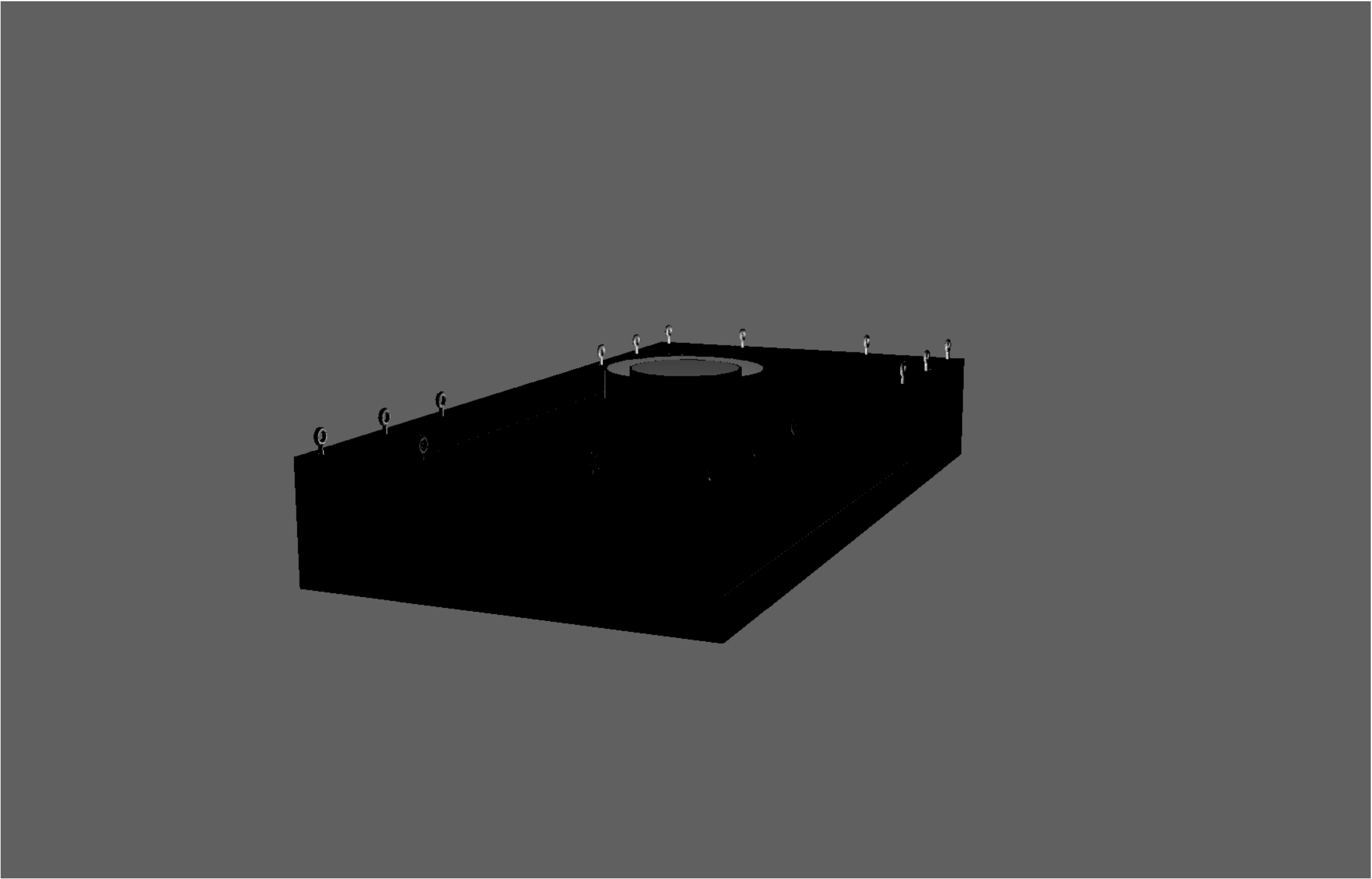




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LAMINAR FLOW DIFFUSER WITH HEPA FILTER
3D INTERACTIVE MODELS



PRODUCT CONFIGURATIONS
(CLICK BUTTONS TO TOGGLE VIEWS)

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



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LAMINAR FLOW DIFFUSER WITH HEPA FILTER CONSTRUCTION DETAILS AND OPTIONS

STANDARD CONSTRUCTION

- PLENUM SEALED WITH ADHESIVE SEALANT
- SPOT WELDED PLENUM SEAMS
- CONTINUOUSLY WELDED VERTICAL AND HORIZONTAL KNIFE EDGE SEAMS
- EXTRUDED ALUMINUM FILTER FRAME WITH URETHANE GEL
- STATIC PRESSURE AND AEROSOL SAMPLE PORT
- TWO STAINLESS STEEL RETAINER CABLES PER UNIT

- FACTORY TOLERANCE +/- $\frac{1}{32}$ "

PLENUM CONSTRUCTION

- ☐ ALUMINUM PLENUM, EXTRUDED ALUMINUM KNIFE EDGE FRAME
- ☐ STAINLESS STEEL - 304 STAINLESS STEEL PLENUM & KNIFE EDGE FRAME

FACE CONSTRUCTION

- ☐ ALUMINUM - PERFORATED PANEL AND EXTRUDED INNER FRAME
- ☐ STAINLESS STEEL - 304 STAINLESS STEEL PERFORATED PANEL AND INNER FRAME

PLENUM FINISH

- ☐ B12 STANDARD WHITE
- ☐ STAINLESS STEEL - 2B PLENUM & STAINLESS STEEL #4 KNIFE EDGE (OPTIONAL FINISH AVAILABLE)

FACE AND FRAME FINISH

- ☐ B12 STANDARD WHITE
- ☐ #4 STAINLESS STEEL (OPTIONAL FINISH AVAILABLE)

INLET SIZES

- ☐ 6" (152) ROUND
- ☐ 8" (203) ROUND
- ☐ 10" (254) ROUND
- ☐ 12" (305) ROUND

FILTER

- ☐ NO-FTR - NO FILTER
- ☐ HEPA – 99.99% (0.3 MICRON)
- ☐ ULPA – 99.9995% (0.12 MICRON)
- ☐ FRB - FILTER REPLACEMENT BAFFLE

DAMPER (OPTIONAL)

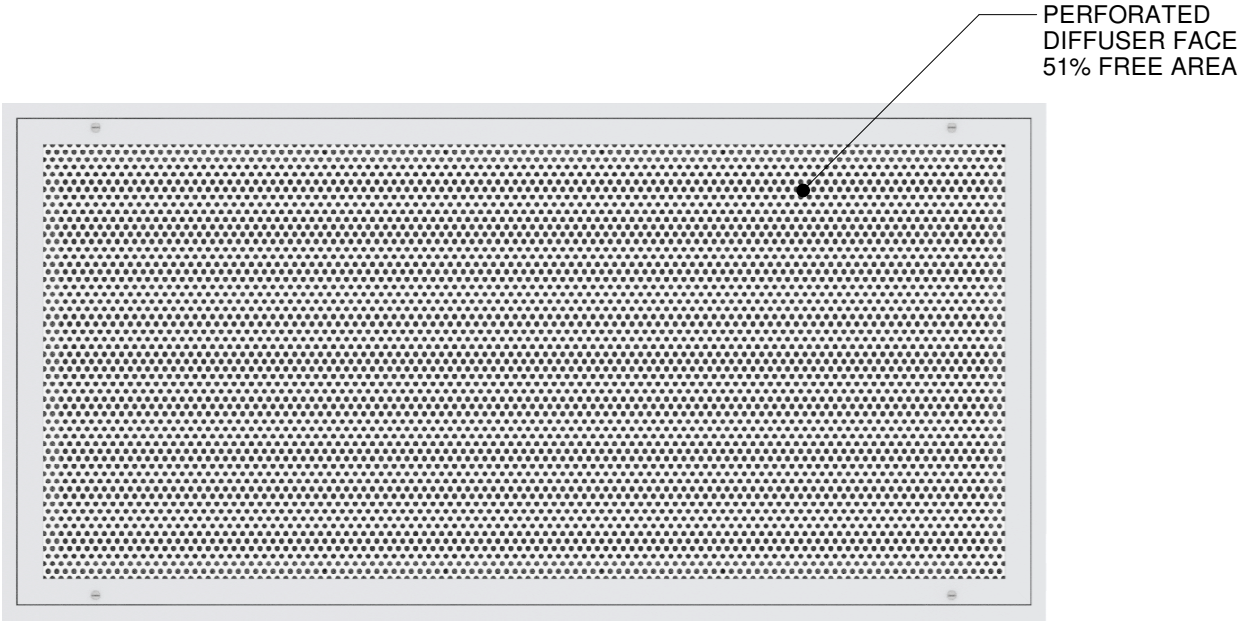
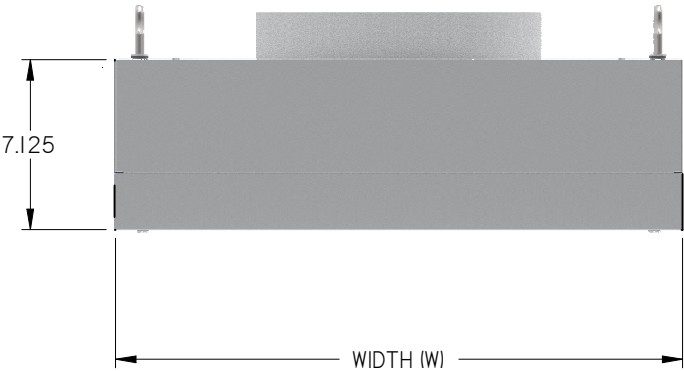
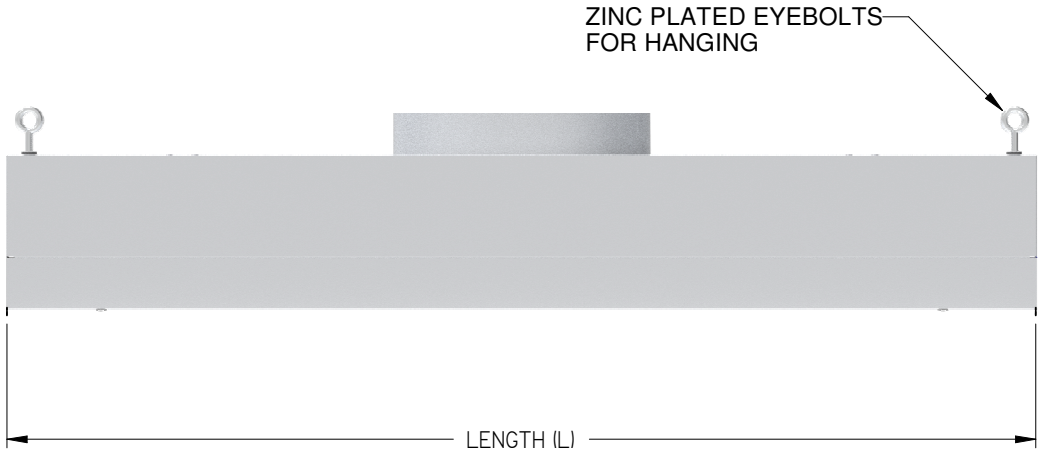
- ☐ VRC8EC - BUTTERFLY DAMPER, WHITE POWDER COATED STEEL BLADES
- ☐ VRC8ECSS - BUTTERFLY DAMPER, STAINLESS STEEL BLADES

OPTIONS

- ☐ FL - FILTER INDICATOR LIGHT ON FACE
- ☐ FL + FBAS - FILTER INDICATOR LIGHT ON FACE AND FILTER BAS SIGNAL
- ☐ EQ - EQUALIZATION BAFFLE
- ☐ INJ - AEROSOL INJECTION SYSTEM WITH INLET EQUALIZATION BAFFLE
- ☐ CW - CONTINUOUSLY WELDED VERTICAL PLENUM SEAMS, SPOT WELDED INLET
- ☐ AFI - 0.5: 0.5" THICK ALUMINUM FOIL-BACKED FIBERGLASS EXTERNAL INSULATION
- ☐ AFI - 1.5: 1.5" THICK ALUMINUM FOIL BACKED FIBERGLASS EXTERNAL INSULATION

NOTES:

- FILTER PACKAGED SEPERATELY FROM DIFFUSER HOUSING FOR JOB SITE INSTALLATION BY OTHERS
- PLENUM FACTORY SCANNED FOR LEAKS IN ACCORDANCE WITH IEST-RP-CC034
- LAY IN CEILING INSTALLATION ONLY. UNIT SIZE DESIGNED FOR 1" WIDE T-BAR OR 1.5" WIDE T-BAR WITH 1/8" NOMINAL SIZE INCREASE PER FOOT
- FOR SURFACE MOUNT INSTALLATION, ORDER SEPERATE APEX MOUNTING FRAME.



IMPERIAL UNITS (INCHES)

NOMINAL UNIT SIZE	WIDTH (W)	LENGTH (L)	FILTER AREA (sq.ft.)
24 X 48	23.625	47.625	5.3
24 X 36	23.625	35.625	3.8
24 X 24	23.625	23.625	2.3
12 X 48	11.625	47.625	1.8

SI UNITS (MM)

NOMINAL UNIT SIZE	WIDTH (W)	LENGTH (L)	FILTER AREA (sq.ft.)
600x1200	590	1181	0.48
600x600	590	590	0.21



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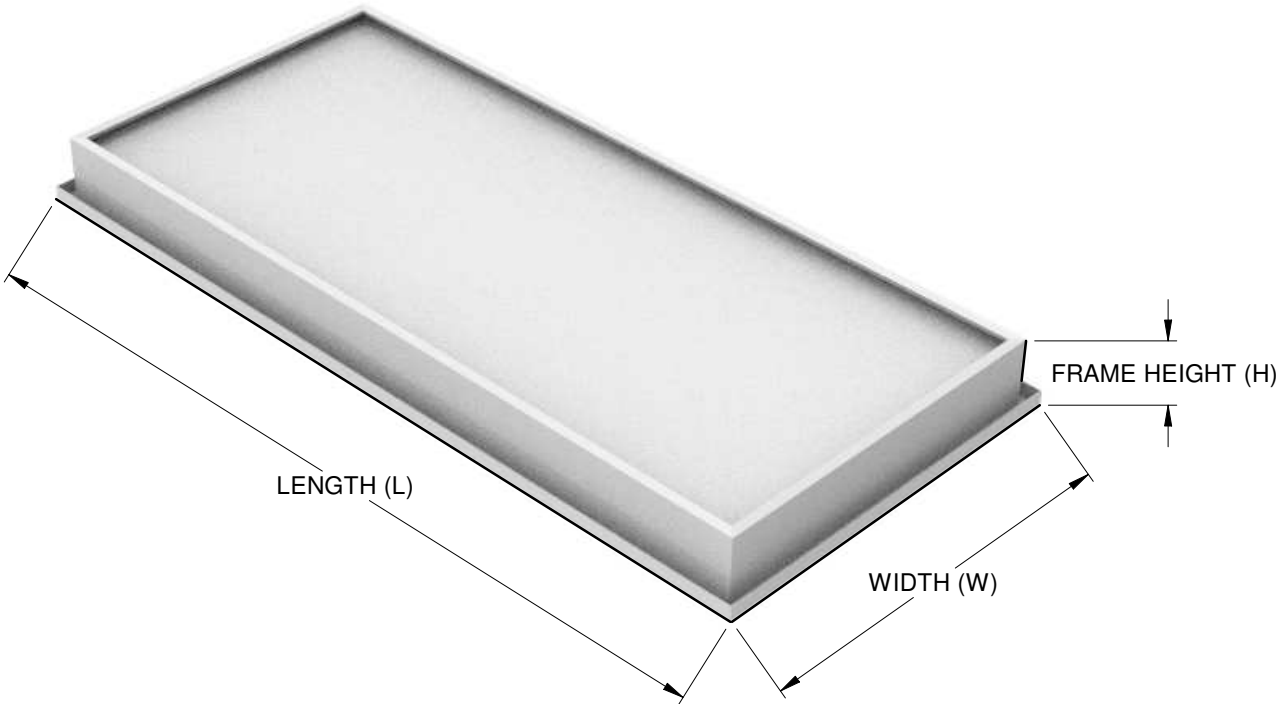
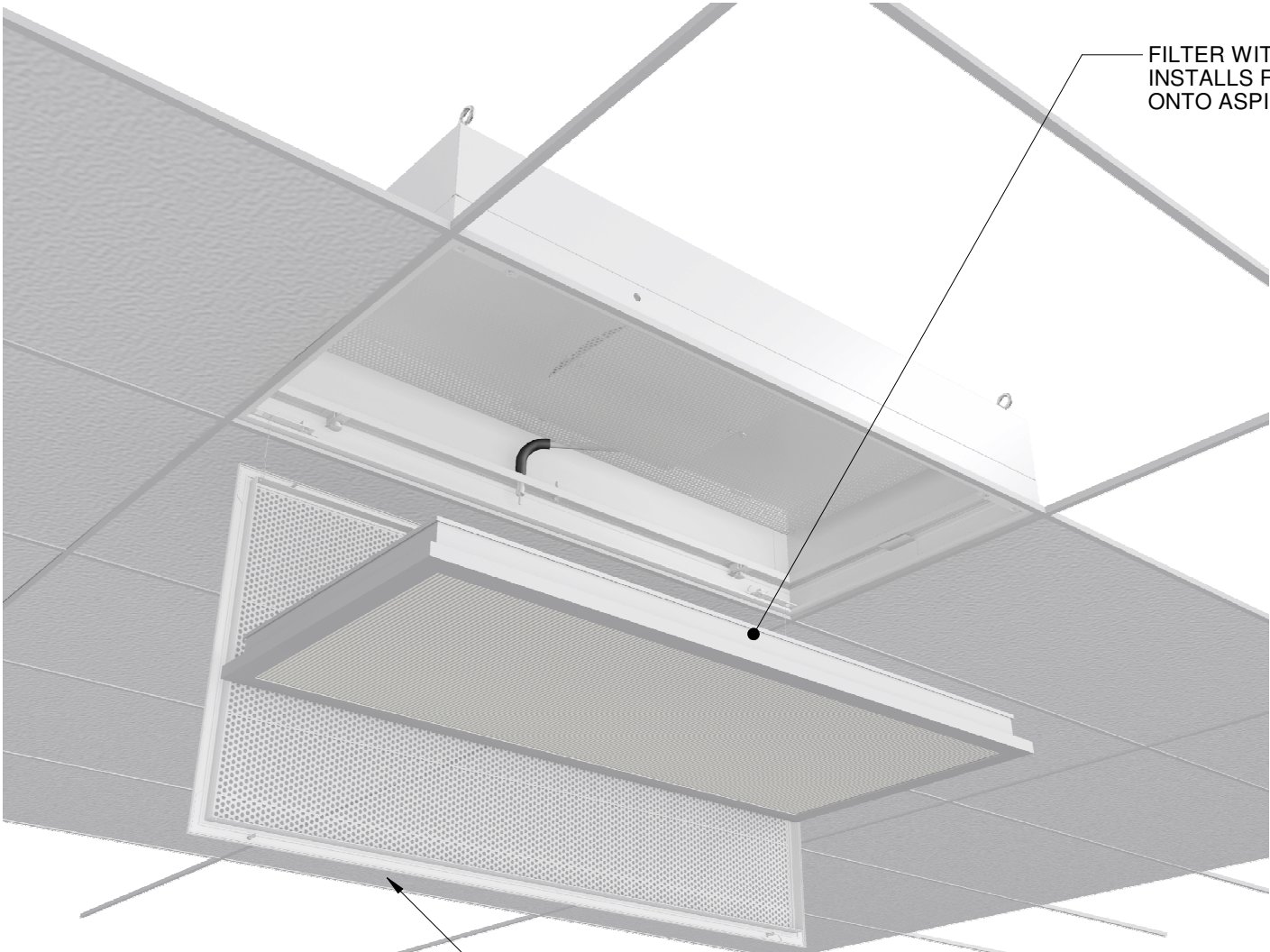
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LAMINAR FLOW DIFFUSER WITH HEPA FILTER
FILTER DETAILS



- NOTES**
- FILTER PLEATS RUN PARALLEL TO THE WIDTH (W) DIMENSION
 - DIMENSIONS L & W TOLERANCES +/- $\frac{1}{16}$ "
 - FILTERS COME WITH GEL SEAL FILLED CHANNEL
 - EXPANDED PAINTED WHITE SCREEN ON THE DOWNSTREAM SIDE
 - FRAME DETAILS:
 - MATERIAL: ANODIZED EXTRUDED ALUMINUM
 - THICKNESS: $\frac{1}{16}$ " (MINIMUM)
 - HEPA FILTERS EFFICIENCY AND LEAK SCAN TESTED TO IEST RP CC001 TYPE J
 - ULPA FILTERS EFFICIENCY AND LEAK SCAN TESTED TO IEST RP CC001 TYPE F
 - FILTER PACKAGED SEPERATELY FROM DIFFUSER FOR JOB SITE INSTALLATION BY OTHERS

ACTUAL FILTER SIZE		
WIDTH (W)	LENGTH (L)	HEIGHT (H)
20.69	20.69	2.88
20.69	32.69	2.88
20.69	44.69	2.88



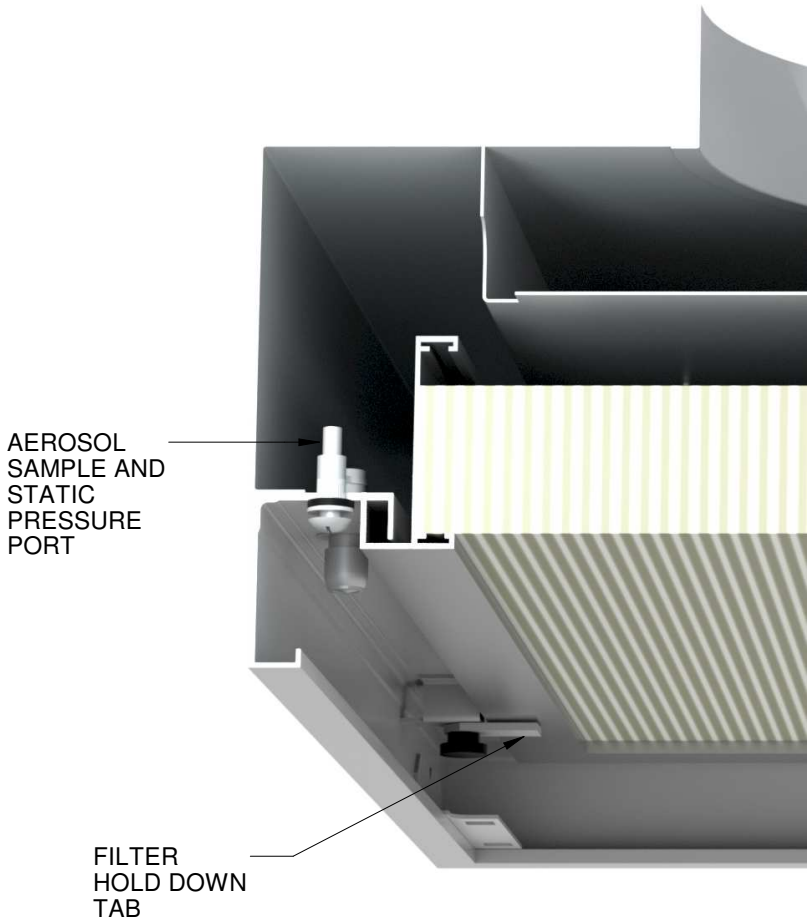
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VISIT KEYSTONE CLEAN AIR SOLUTIONS WEBSITE FOR FILTER INSTALLATION GUIDE

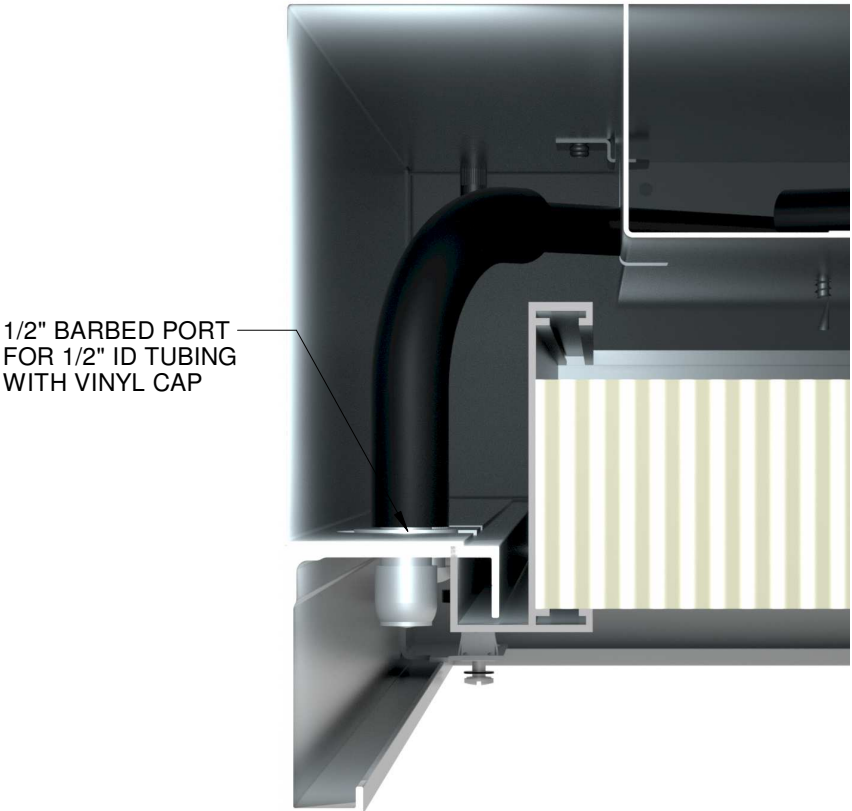
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LAMINAR FLOW DIFFUSER WITH HEPA FILTER
DETAIL VIEWS

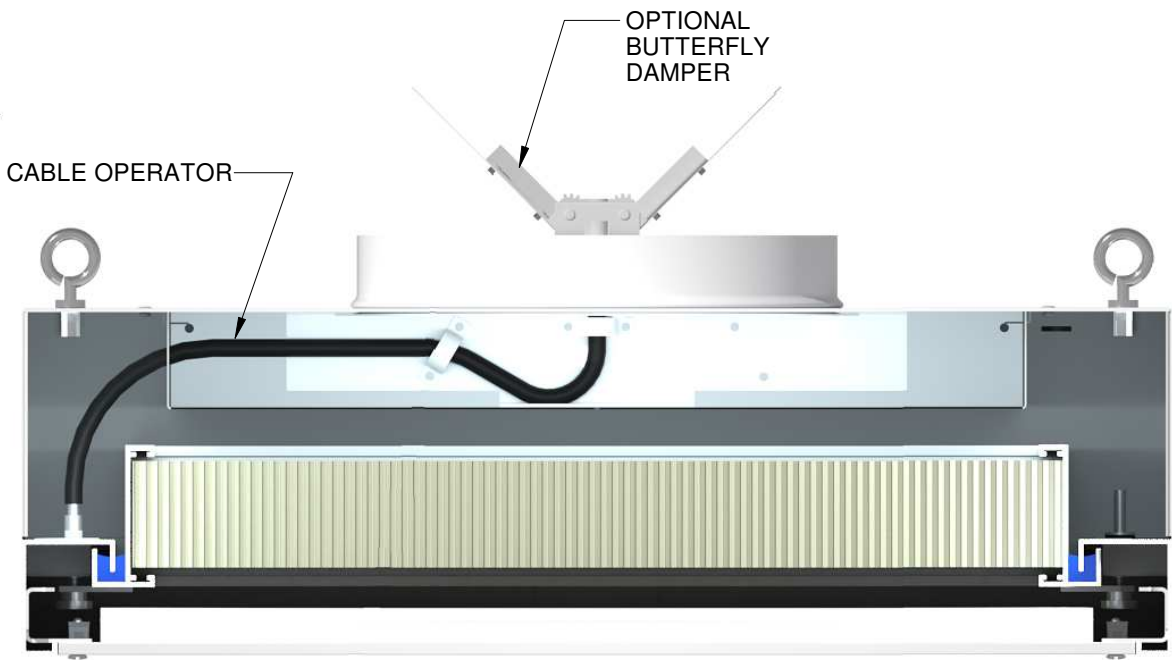
AEROSOL/STATIC PORT
DETAIL VIEW



INJ - AEROSOL INJECTION PORT
DETAIL VIEW



DAMPER
DETAIL VIEW

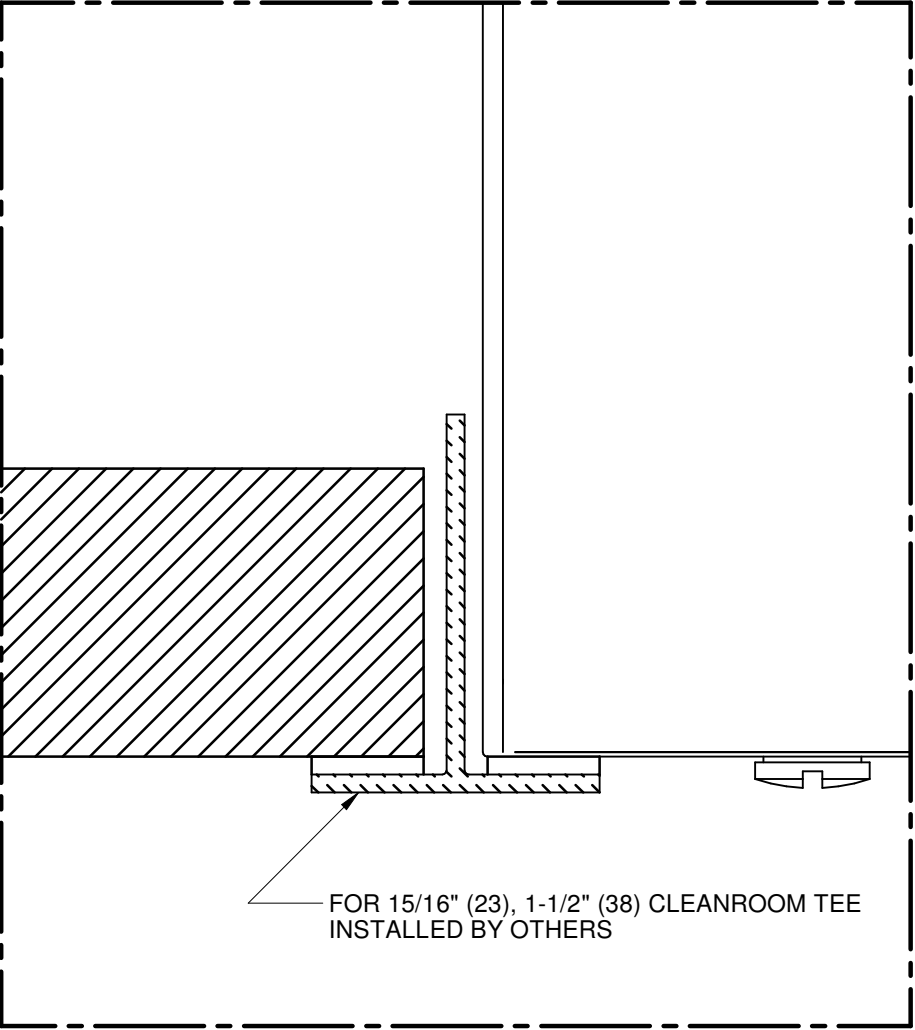


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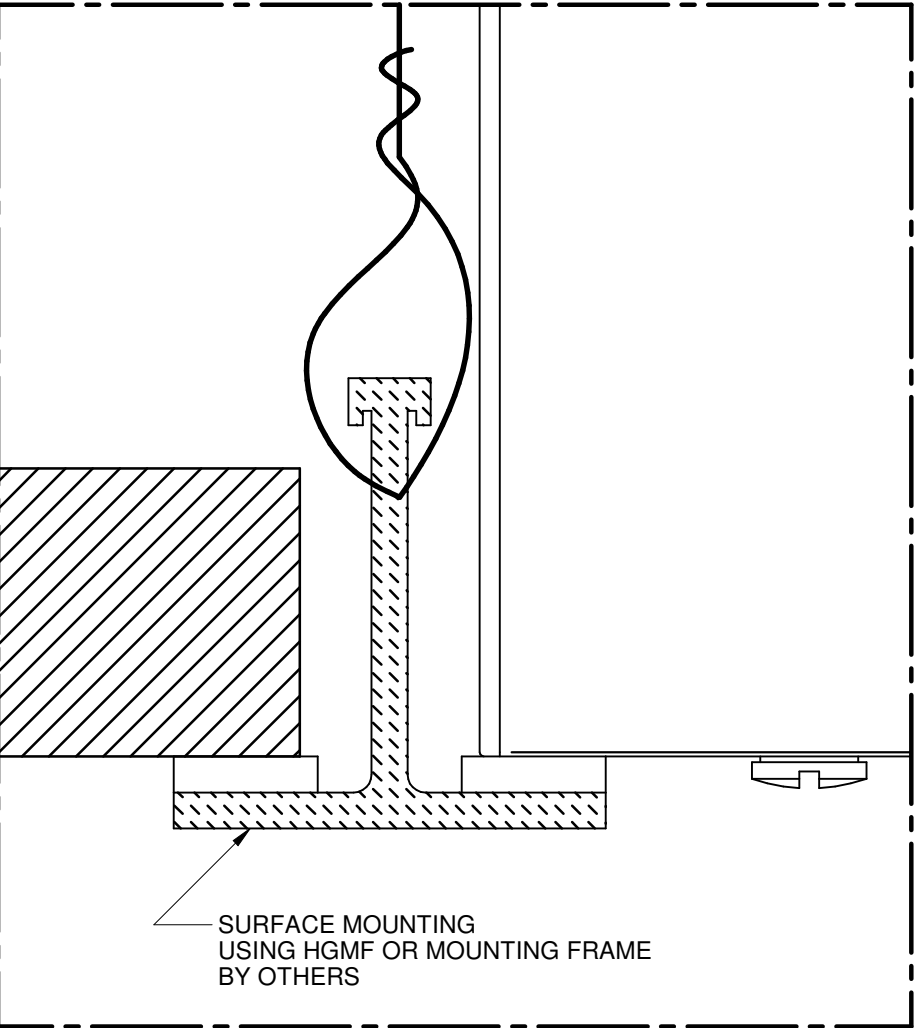
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LAMINAR FLOW DIFFUSER WITH HEPA FILTER
MOUNTING DETAILS


T-BAR MOUNTING



SURFACE MOUNTING



- 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 APEX MOUNTING FRAME.



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