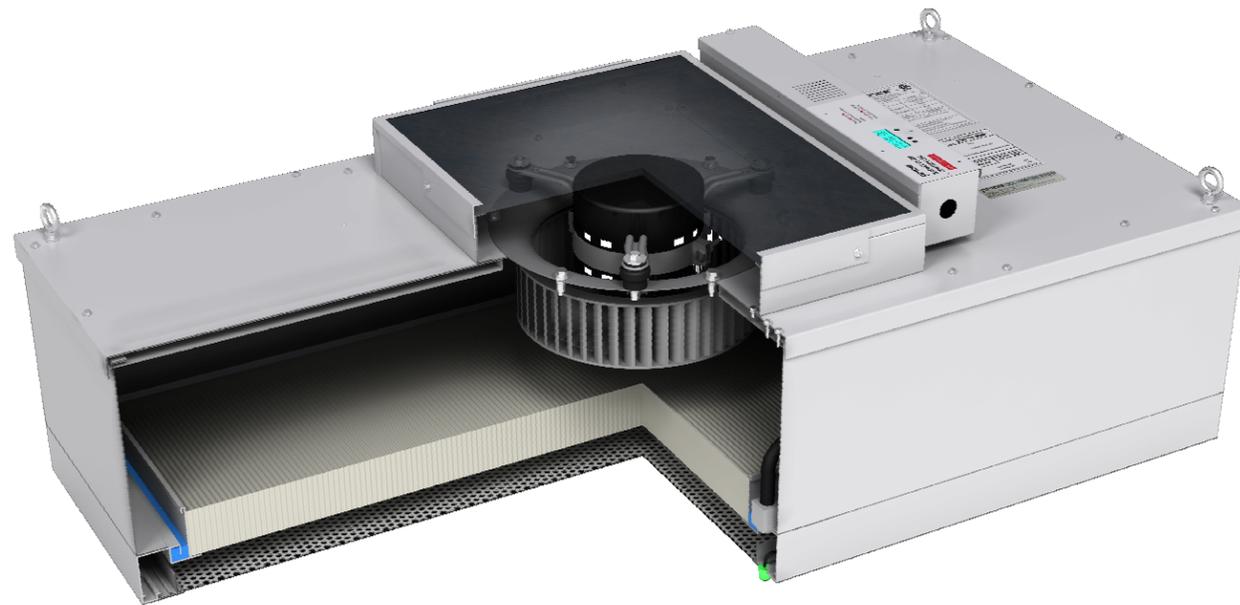


FFU

FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE FILTER

FEATURES:

- THE MOST ENERGY EFFICIENT LINE OF FAN FILTER UNITS (FAN FILTER MODULES) ON THE MARKET TODAY, USING 15-50% LESS ENERGY THAN COMPARABLE PRODUCTS
- PROVIDES HIGH VOLUMES OF HEPA FILTERED AIRFLOW (FOR 99.99% REMOVAL OF PARTICULATE) AT LOW SOUND LEVELS
- VERSATILE CONSTRUCTION OPTIONS TO SUIT ANY APPLICATION
 - ROOM-SIDE OR BENCH-TOP REPLACEABLE FILTER
 - SUPPLY OR REVERSE FLOW CONFIGURATIONS IN A VARIETY OF MODULE SIZES
 - FACTORY PROGRAMMED EC MOTOR
- QUICK AND EASY INSTALLATION AND OPTIONAL AEROSOL INJECTION PORT (INJ) FOR FILTER TESTING



PRICE | **CRITICAL ENVIRONMENTS**

PROJECT:

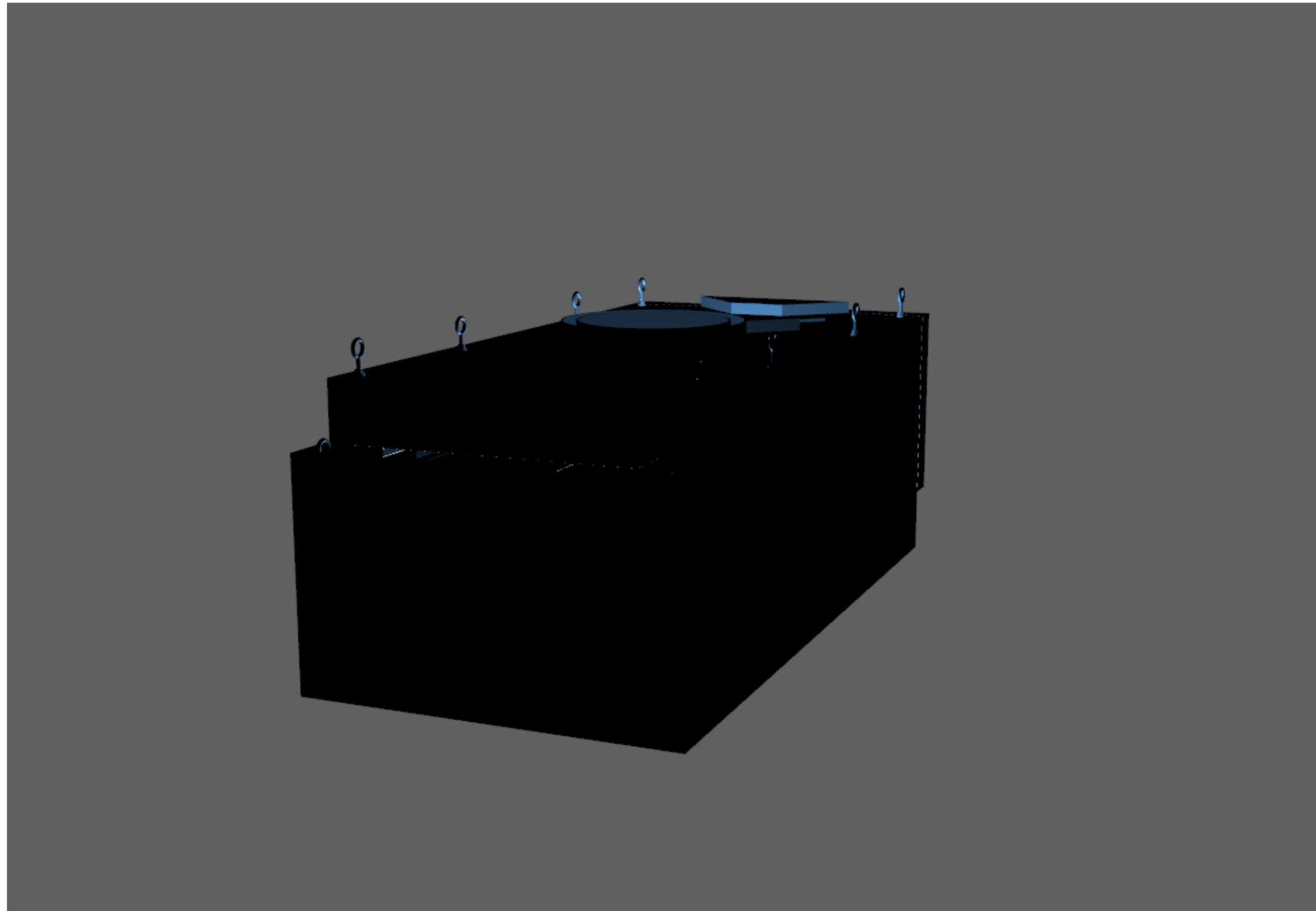
273441

Revision: C

11-17-2022

FFU 

**FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE 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

PRICE | **CRITICAL ENVIRONMENTS**

PROJECT:

273441

Revision: C

11-17-2022

FFU

FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE FILTER CONSTRUCTION DETAILS AND OPTIONS - SUPPLY

STANDARD CONSTRUCTION

- GALVANIZED CONTROL BOX WITH DISCONNECT SWITCH
- MOTOR/BLOWER ACCESSIBLE FROM ROOMSIDE AND TOPSIDE
- ROOMSIDE REMOVABLE FILTER, PACKAGED SEPARATELY FOR JOBSITE INSTALLATION BY OTHERS
- EXTRUDED ALUMINUM FILTER FRAME WITH URETHANE GEL
- WALKABLE PLENUM (250 LBS)
- STATIC PRESSURE AND AEROSOL SAMPLE PORT
- LAY IN CEILING INSTALLATION ONLY. FOR SURFACE MOUNT INSTALLATION ORDER SEPARATE HGMF FRAME.
- SEE HGMF SUBMITTAL (271137)
- SQUARE INLET COLLAR
- WASHABLE PRE-FILTER (NON-DUCTED UNITS)

PLENUM CONSTRUCTION

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

FACE CONSTRUCTION

- ALUMINUM (EXTRUDED FRAME)
- STAINLESS STEEL - 304 PERF SCREEN & INNER FRAME

PLENUM FINISH

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

FACE FINISH

- WASHED MILL ALUMINUM
- B12 - STANDARD WHITE
- #4 STAINLESS STEEL (OPTIONAL FINISH AVAILABLE)

INLET SIZES

- NONE (UNDUCTED)
- 10" ROUND
- 12" ROUND
- 14" ROUND

FILTER

- HEPA - 2" - IEST RP CC001 TYPE J
- ULPA - 2" - IEST RP CC001 TYPE F

FAN POWER VOLTAGE

- 115V
- 208V
- 240V
- 277V

MOTOR

- PSC MOTOR, 60Hz, 1 PHASE
- EC MOTOR, 50/60 Hz, 1 PHASE

WHEEL

- FORWARD CURVED
- BACKWARD CURVED

FAN CONTROLLER

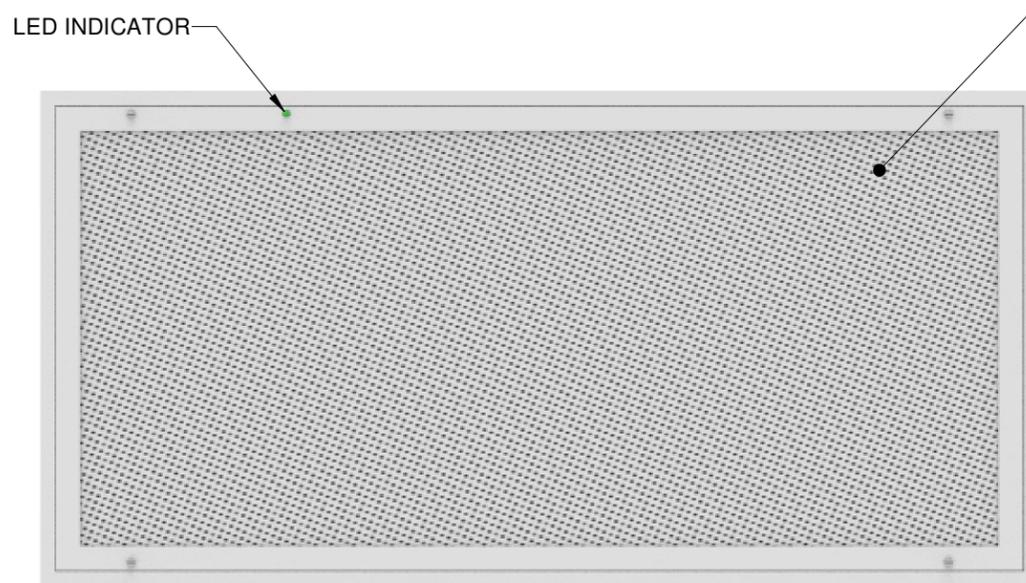
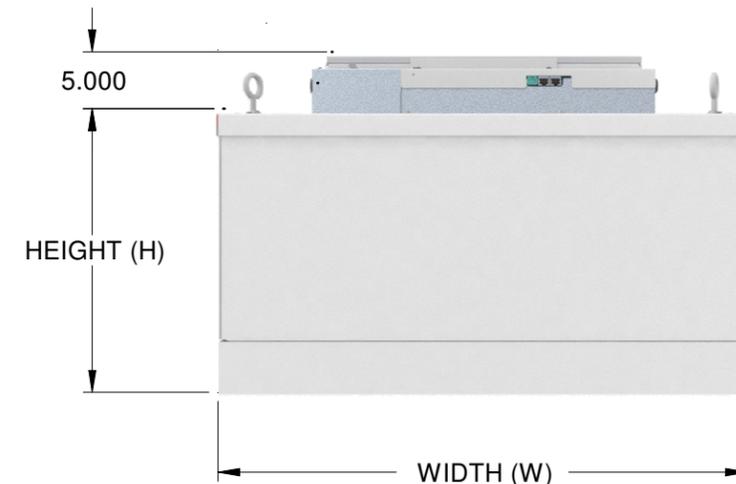
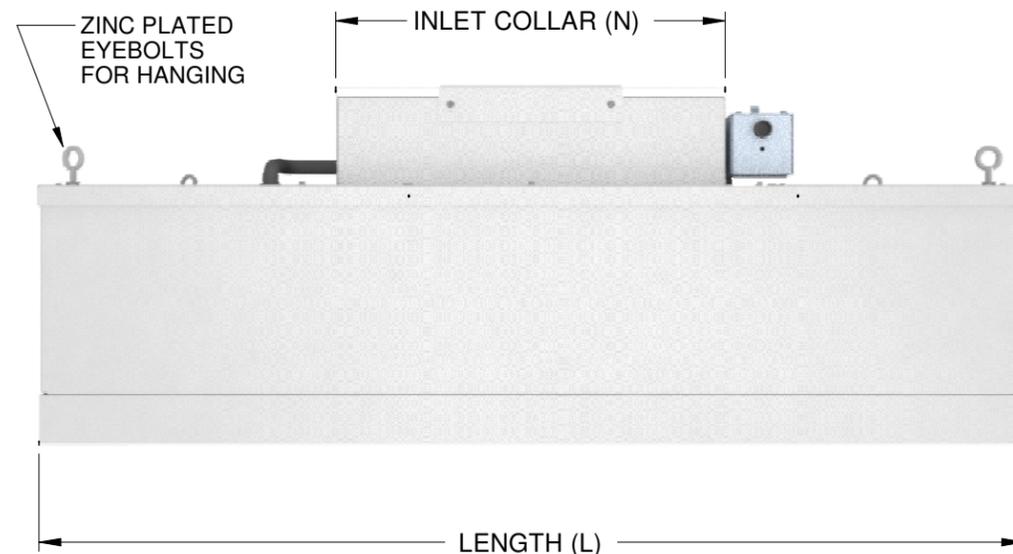
- PSC MOTOR STANDARD UNIVERSAL SPEED CONTROLLER
- EC MOTOR STANDARD SPEED CONTROLLER
- BACnet FLOW CONTROLLER. MOTOR AND FILTER STATUS OVER BACnet. SEE BFC MANUAL FOR DETAILS. (EC MOTOR ONLY)

FILTER AND MOTOR STATUS LIGHTS

- TRI-COLOR FACE MOUNTED LED FILTER AND MOTOR STATUS LIGHT
- EC MOTOR LED INTEGRATES WITH BACnet, PSC MOTOR LED INCLUDES 6" TALL CONTROL BOX

MOTOR PROGRAM

- CONSTANT FLOW
- CONSTANT TORQUE



PERFORATED DIFFUSER FACE
51% FREE AREA

WHEEL TYPE	NOMINAL UNIT SIZE	WIDTH (W)	LENGTH (L)	HEIGHT (H)	INLET COLAR (N)	FILTER AREA	MAX AMPS FAN (PSC) (115/240/277)	MAX AMPS FAN (EC) (115/240/277)
FC	24x24	23.625	23.625	12.750	16.000	2.3	4.0/1.6/1.6	2.6/1.6/1.5
	24x36	23.625	35.625	12.750	20.000	3.8	4.0/1.6/1.6	4.4/2.7/2.5
	24x48	23.625	47.625	12.750	20.000	5.3	4.0/1.6/1.6	4.8/3.0/2.7
BC	24x36	23.625	35.625	12.750	20.000	3.8	4.0/1.6/1.6	3.4/2.1/1.9
	24x48	23.625	47.625	12.750	20.000	5.3	4.0/1.6/1.6	3.2/2.0/1.7

*LEDK OPTION WITH PSC MOTOR ADDS 6" TALL LED BOX

OPTIONS

- WALL MOUNTED SPEED CONTROL (SEE FFUCS SUBMITTAL 273558)
- POWER CORD (8ft 115V or 6ft 277V)
- ROOMSIDE + TOP ACCESSIBLE CONTROLS
- MERV 8 PRE-FILTER (NON-DUCTED UNITS ONLY)
- MERV 8 PRE-FILTER WITH SIDE ACCESS HOUSING (DUCTED UNITS ONLY)
- WASHABLE PRE-FILTER WITH SIDE ACCESS HOUSING (DUCTED UNITS ONLY)
- 1/2" DIA. BARBED ROOMSIDE AEROSOL INJECTION PORT
- NETC12 - 12 FOOT RJ45 NETWORKING CABLE FOR BACnet DAISY CHAIN
- NETC35 - 35 FOOT RJ45 NETWORKING CABLE FOR BACnet DAISY CHAIN

PRICE | **CRITICAL ENVIRONMENTS**

PROJECT:

273441

Revision: C

11-17-2022

FFU

FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE FILTER CONSTRUCTION DETAILS AND OPTIONS - REVERSE FLOW

STANDARD CONSTRUCTION

- FORWARD CURVED BLOWER WHEEL
- ROOM SIDE ACCESSIBLE MOTOR AND BLOWER ASSEMBLY
- STATIC PRESSURE PORT
- ROOM SIDE REMOVABLE FILTER, PACKAGED SEPARATELY FOR JOBSITE INSTALLATION BY OTHERS
- EXTRUDED ALUMINUM FILTER FRAME WITH URETHANE GEL
- WALKABLE PLENUM (250 LBS)
- LAY IN CEILING INSTALLATION ONLY. FOR SURFACE MOUNT INSTALLATION ORDER SEPARATE HGMF FRAME. SEE HGMF SUBMITTAL (271137)

PLENUM CONSTRUCTION

- ALUMINUM PLENUM, EXTRUDED KNIFE EDGE FRAME
- STAINLESS STEEL - 304 PLENUM AND KNIFE EDGE FRAME

FACE CONSTRUCTION

- ALUMINUM (EXTRUDED FRAME)
- STAINLESS STEEL - 304 PERF SCREEN & INNER FRAME

PLENUM FINISH

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

FACE FINISH

- WASHED MILL ALUMINUM
- B12 - STANDARD WHITE
- #4 STAINLESS STEEL (OPTIONAL FINISH AVAILABLE)

INLET SIZE

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

FILTER

- HEPA - 2" - IEST RP CC001 TYPE J
- ULPA - 2" - IEST RP CC001 TYPE F

FAN POWER VOLTAGE

- 115V
- 208V
- 240V
- 277V

MOTOR

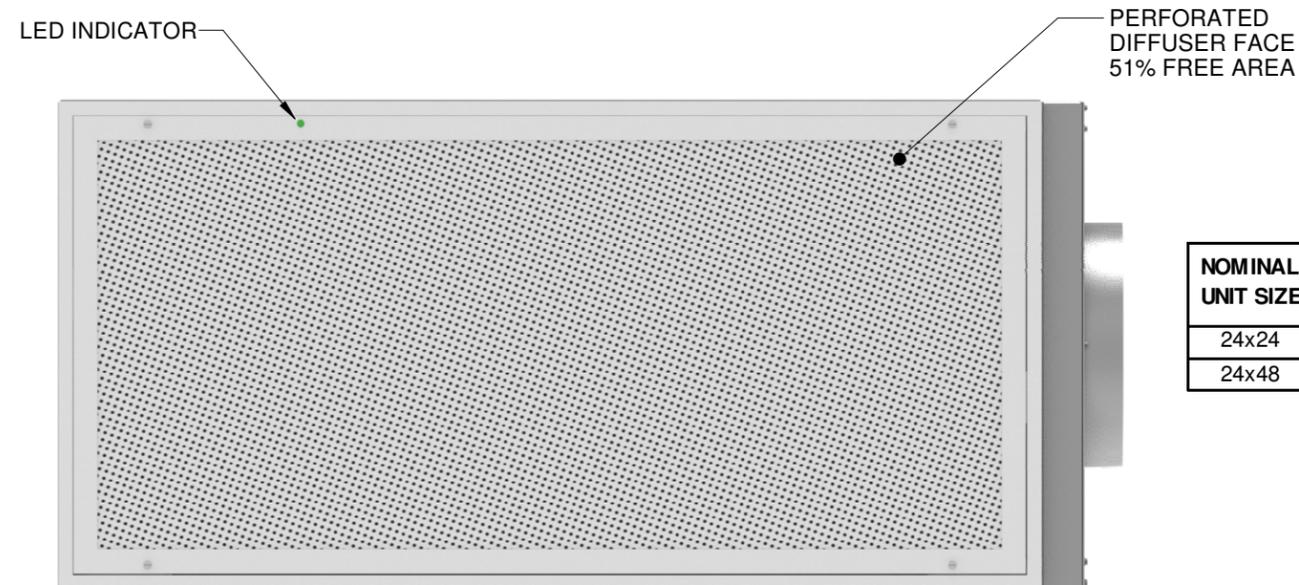
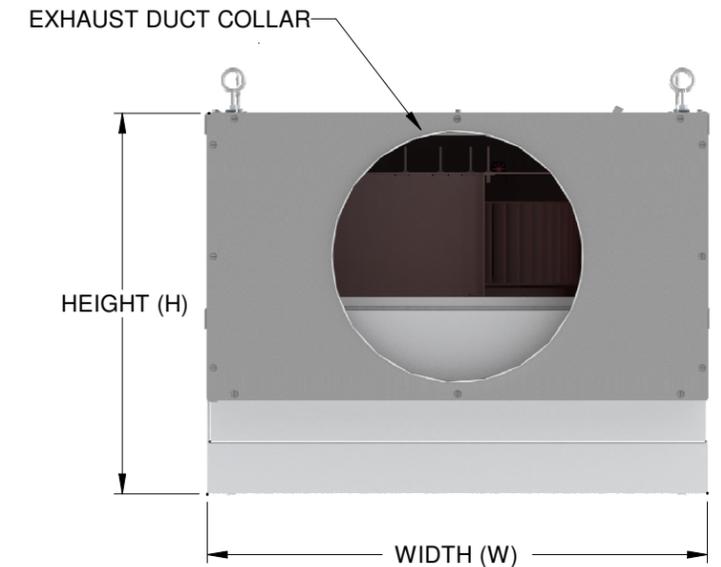
- PSC MOTOR, 60Hz, 1 PHASE
- EC MOTOR, 50/60 Hz, 1 PHASE

FAN CONTROLLER

- PSC MOTOR STANDARD UNIVERSAL SPEED CONTROLLER
- EC MOTOR STANDARD SPEED CONTROLLER
- BACnet FLOW CONTROLLER. MOTOR AND FILTER STATUS OVER BACnet. SEE BFC MANUAL FOR DETAILS. (EC MOTOR ONLY)

FILTER AND MOTOR STATUS LIGHTS

- TRI-COLOR FACE MOUNTED LED FILTER AND MOTOR STATUS LIGHT
- EC MOTOR LED INTEGRATES WITH BACnet (W/ BFC CONTROLLER ONLY)



NOMINAL UNIT SIZE	WIDTH (W)	LENGTH (L)	HEIGHT* (H)	FILTER AREA	MAX AMPS FAN (PSC) (115/240/277)	MAX AMPS FAN (EC) (115/240/277)
24x24	23.625	23.625	20.500	2.3	4.0/1.6/1.6	2.6/1.6/1.5
24x48	23.625	47.625	18.000	5.3	4.0/1.6/1.6	4.8/3.0/2.7

MOTOR PROGRAM

- CONSTANT FLOW
- CONSTANT TORQUE

OPTIONS

- WALL MOUNTED SPEED CONTROL (SEE FFUCS SUBMITTAL 273558)
- POWER CORD (8ft 115V or 6ft 277V)
- MERV 8 PRE-FILTER
- NETC12 - 12 FOOT RJ45 NETWORKING CABLE FOR BACnet DAISY CHAIN
- NETC35 - 35 FOOT RJ45 NETWORKING CABLE FOR BACnet DAISY CHAIN

PRICE | **CRITICAL ENVIRONMENTS**

PROJECT:

273441

Revision: C

11-17-2022

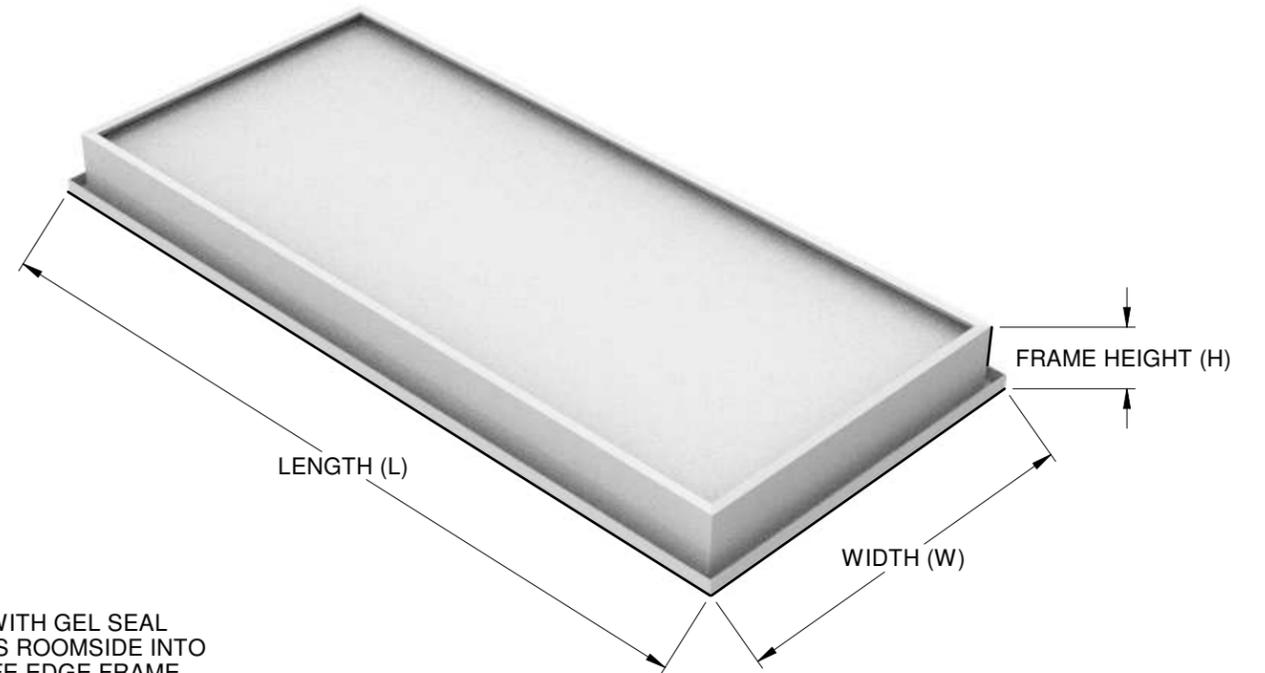
FFU

FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE FILTER FILTER DETAILS



DIFFUSER FACE SECURED WITH
STAINLESS STEEL 1/4 TURN FASTENERS

FILTER WITH GEL SEAL
INSTALLS ROOMSIDE INTO
FFU KNIFE EDGE FRAME



NOTES

- FILTER PLEATS RUN PARALLEL TO THE WIDTH (W) DIMENSION
- DIMENSIONS L & W TOLERANCES $\pm \frac{1}{16}$ "
- 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
- MERV8 PRE-FILTER IS ROOM-SIDE REPLACEABLE ON EXHAUST UNITS AND CEILING ACCESSIBLE ON SUPPLY UNITS

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

PRICE | **CRITICAL ENVIRONMENTS**

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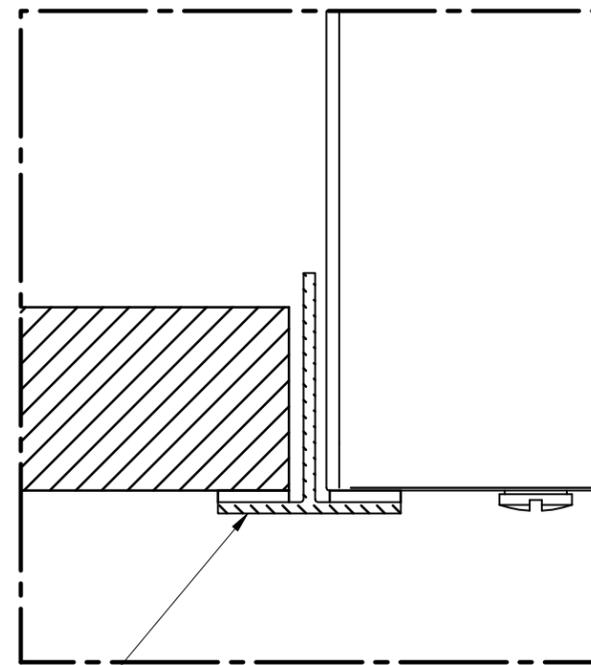
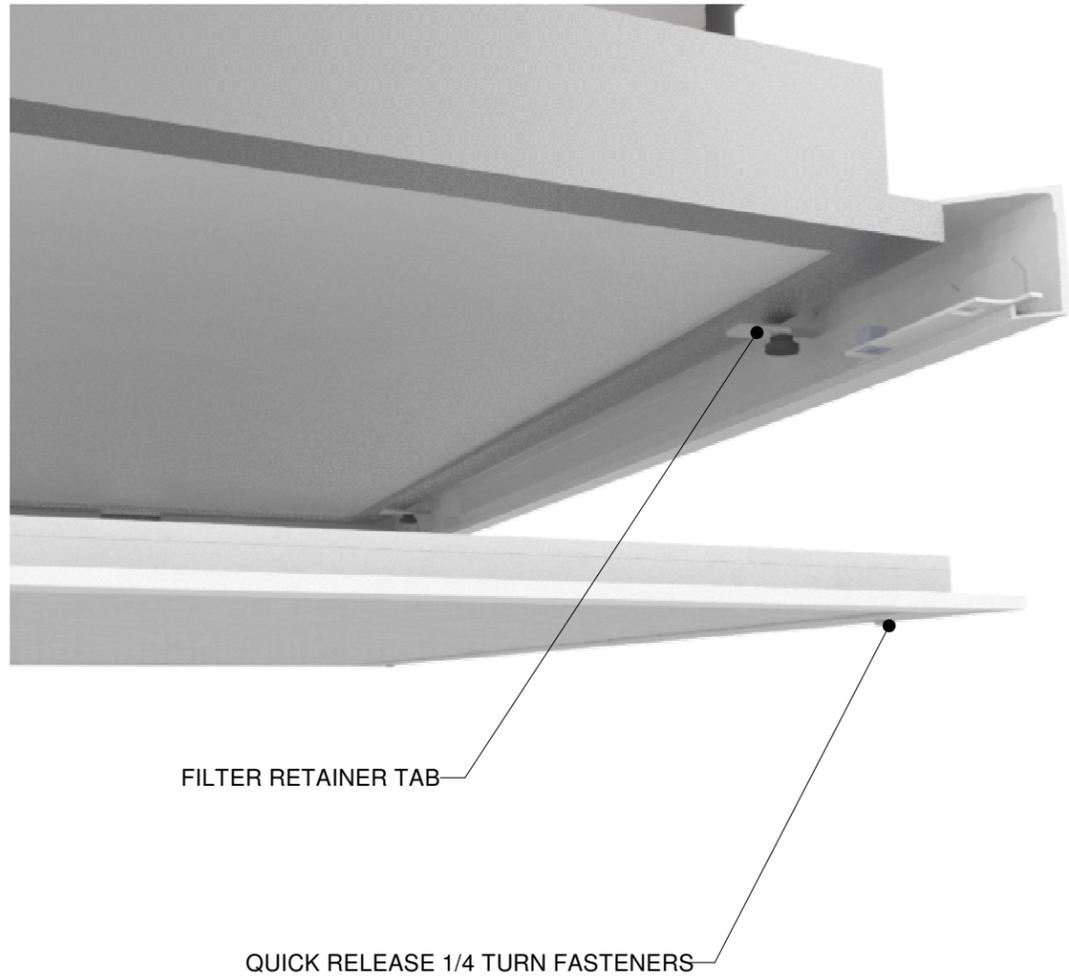
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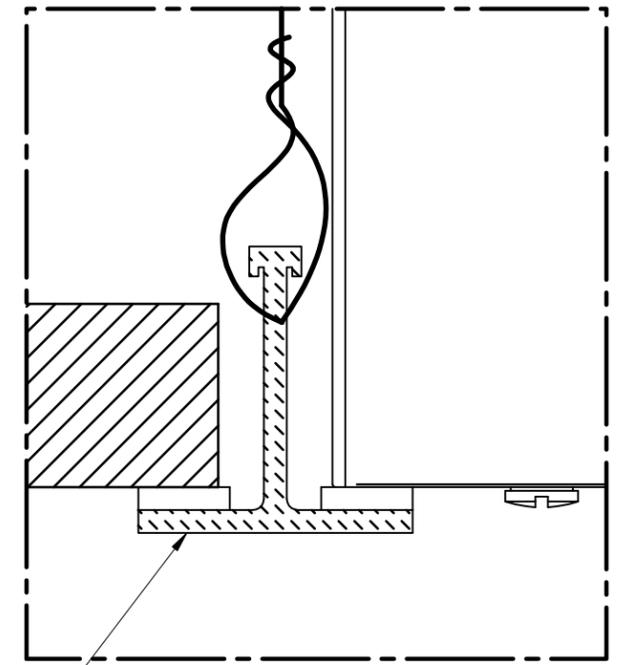
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FFU

FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE FILTER FILTER & CEILING MOUNTING DETAILS



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.

VISIT PRICE INDUSTRIES WEBSITE FOR FILTER QUICK START GUIDE
<https://www.priceindustries.com/content/uploads/assets/literature/manuals/section%20e/ffr-room-side-replaceable-filter-rsr-quick-start-guide.pdf>



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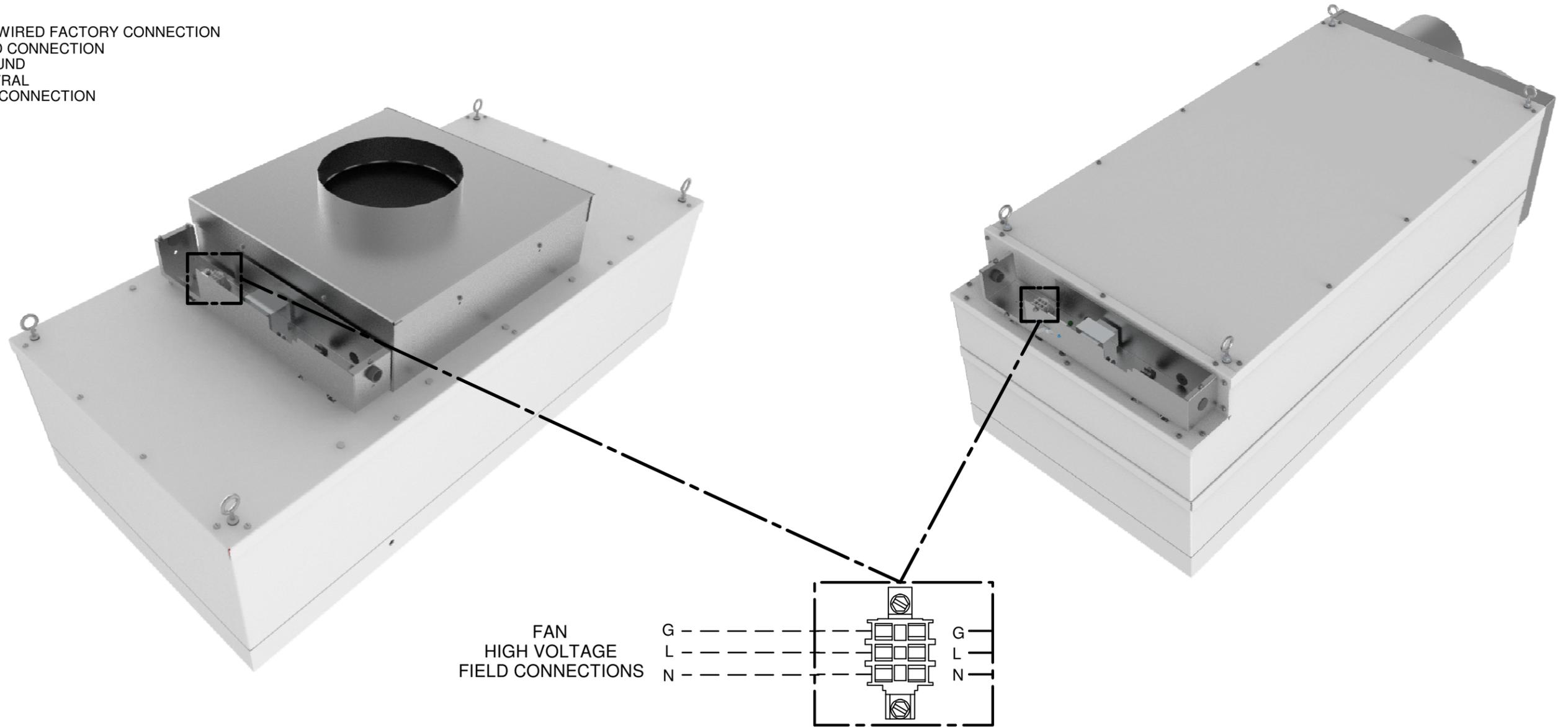
Revision: C

11-17-2022

FFU

FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE FILTER FIELD CONNECTION DETAILS

- PRE-WIRED FACTORY CONNECTION
- - - FIELD CONNECTION
- G GROUND
- N NEUTRAL
- L LINE CONNECTION



PRICE | **CRITICAL ENVIRONMENTS**

PROJECT:

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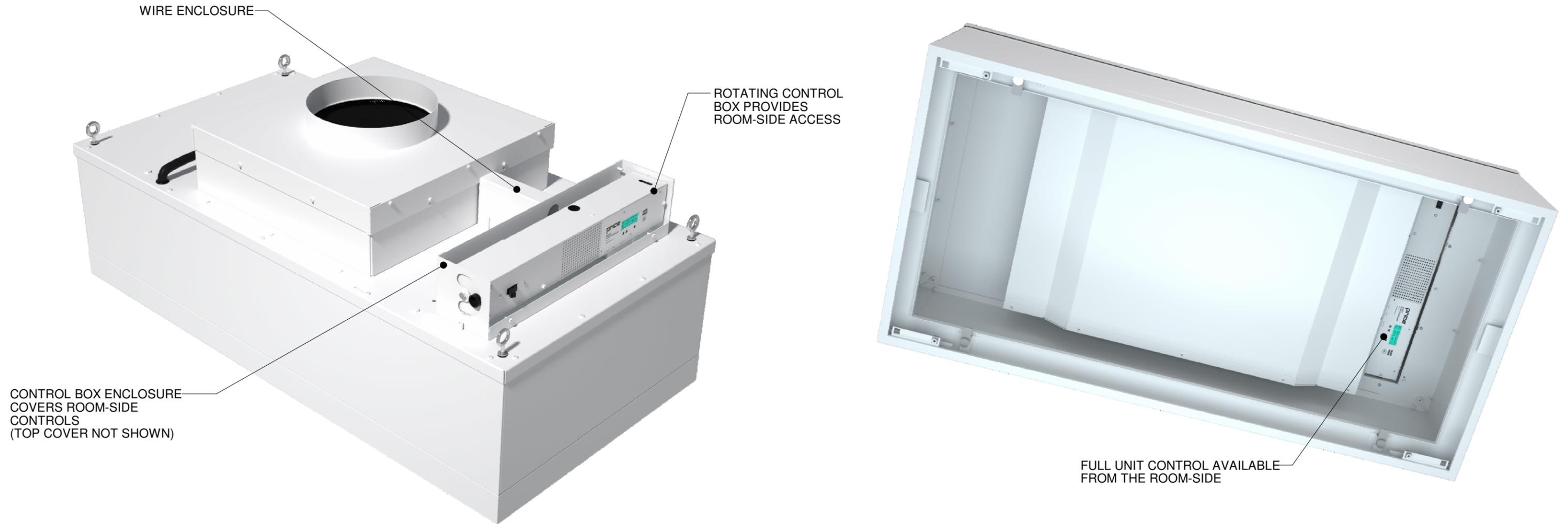
Revision: C

11-17-2022

INSTALLATION WORK AND ELECTRICAL WIRING MUST BE COMPLETED BY A CERTIFIED ELECTRICIAN AND/OR QUALIFIED PERSON(S) IN ACCORDANCE WITH APPLICABLE ELECTRICAL CODES AND STANDARDS

FFU

FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE FILTER ROOM-SIDE ACCESSIBLE CONTROLS



- NOTES**
- OPTIONAL ROTATING CONTROL BOX ALLOWS ACCESS TO CONTROLS FROM BOTH THE TOP OF THE UNIT AND THE ROOM-SIDE
 - FOR ROOM-SIDE ACCESS, REMOVE THE DIFFUSER FACE, HEPA FILTER, AND GASKETED CONTROLS COVER FROM INSIDE THE PLENUM
 - REGARDLESS OF THE CONTROL BOX ORIENTATION, THE DISCONNECT SWITCH IS EASILY ACCESSIBLE

PRICE | **CRITICAL ENVIRONMENTS**

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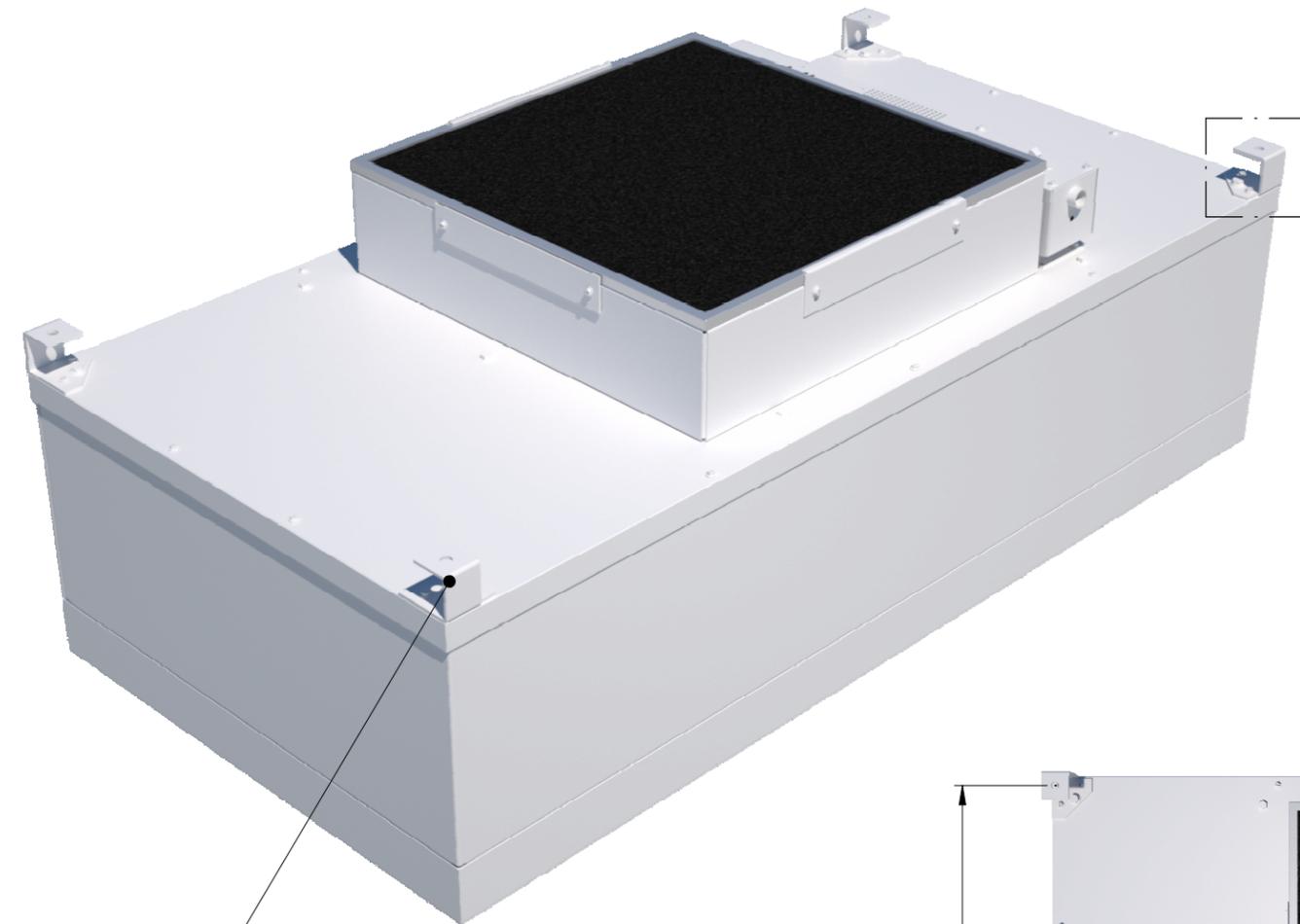
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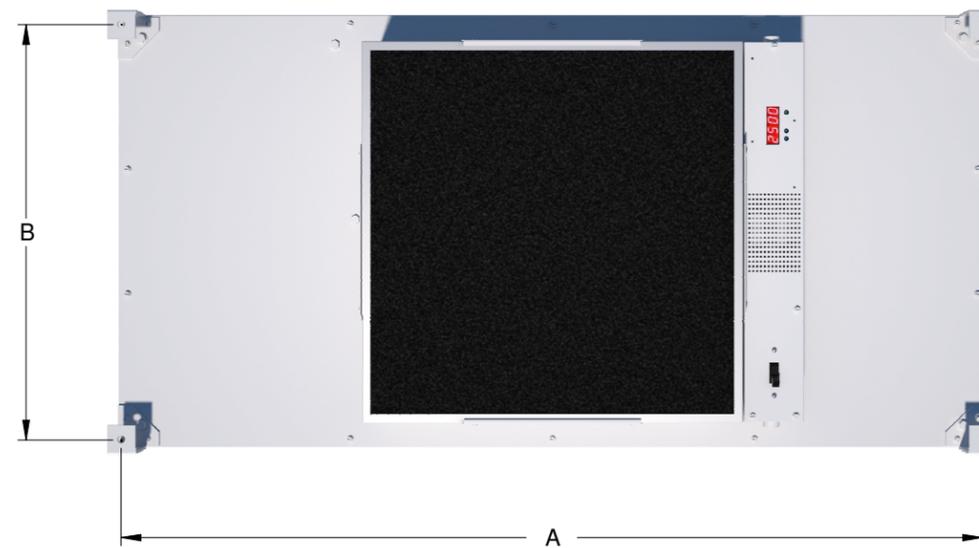
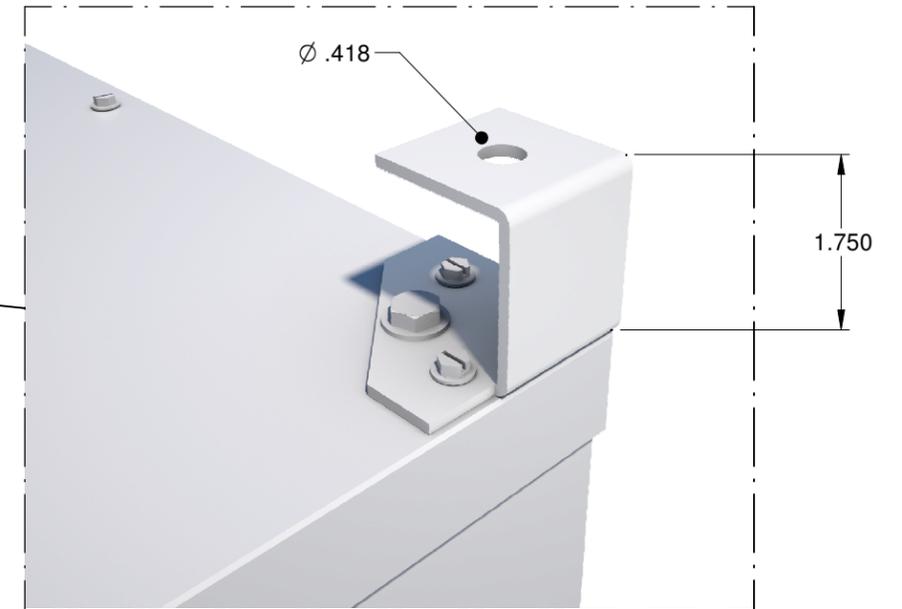
11-17-2022

FFU

FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE FILTER
 OSHPD SEISMIC CERTIFICATION PRE-APPROVAL (OSP - 0302-10)



SEISMIC HANGER BRACKET (x 4)



WIDTH	LENGTH	A	B
24	24	22.375	22.285
24	36	34.375	22.285
24	48	46.375	22.285

NOTES

- OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL AS PER OSP-0302-10
- AVAILABLE ON SUPPLY MODELS ONLY, WITHOUT ROOM-SIDE CONTROLS
- 12 GA. GALVANIZED STEEL HANGER BRACKET
- MASON SCB=2 BRACKET REQUIRED (QTY 4) SECURED AS PER OSP-0302-10 REPORT
- LATERAL BRACING REQUIRED AS PER OSP-0302-10 REPORT



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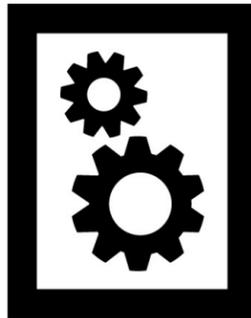
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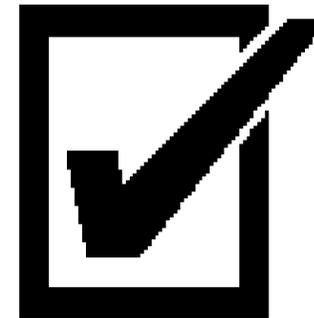
FFU

FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE FILTER SUPPORTING CONTENT



MANUALS

- FFU/PURAFLO INSTALLATION MANUAL
- FFU/PURAFLO WIRING DIAGRAMS
- BACnet WIRING GUIDELINES FOR PRICE CONTROLS MANUAL
- BFC BACnet FLOW CONTROLLER MANUAL
- FTR ROOM-SIDE REPLACEABLE FILTER (RSR) QUICK START GUIDE
- INJ AEROSOL INJECTION PORT USER MANUAL
- INJ REMOTE AEROSOL INJECTION PORT INSTALLATION MANUAL
- LEDK FILTER STATUS INDICATOR KIT INSTALLATION MANUAL



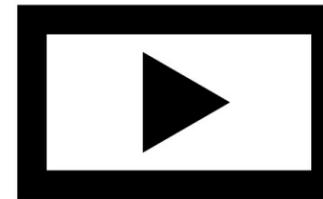
SUBMITTALS

- FFU FAN FILTER UNIT CONTROLS SUBMITTAL
- FTR REPLACEMENT FILTER SUBMITTAL
- HGMF HOSPITAL GRADE MOUNTING FRAME SUBMITTAL
- UFFU ULTRA FAN FILTER UNIT WITH INTEGRATED LEDS SUBMITTAL



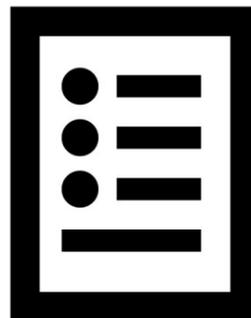
CATALOG / PERFORMANCE

- FFU FAN FILTER UNIT CATALOG
- FFU FAN FILTER UNIT PERFORMANCE DATA



VIDEOS

- FFU FAN FILTER UNIT FUNDAMENTALS
- FFU FAN FILTER UNIT SYSTEM DESIGN
- FFU FAN FILTER UNIT CONTROL OPTIONS
- BFC BACnet FLOW CONTROLLER START-UP GUIDE AND BASICS
- FILTER TESTING & AEROSOL INJECTION
- HIGH PERFORMANCE MANUFACTURING ON CRITICAL ENVIRONMENTS PRODUCTS



SPECIFICATIONS

- FFU FAN FILTER UNIT SPECIFICATION
- FFU FAN FILTER UNIT REVERSE FLOW SPECIFICATION



FOR MORE INFORMATION ON PRICE FAN FILTER UNITS, VISIT
PRICEINDUSTRIES.COM



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