

# FFU

## FAN FILTER UNIT WITH BENCHTOP 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 EXHAUST FLOW CONFIGURATIONS IN A VARIETY OF MODULE SIZES
  - FACTORY PROGRAMMED EC MOTOR
- QUICK AND EASY INSTALLATION



**PRICE** | **CRITICAL ENVIRONMENTS**

PROJECT:

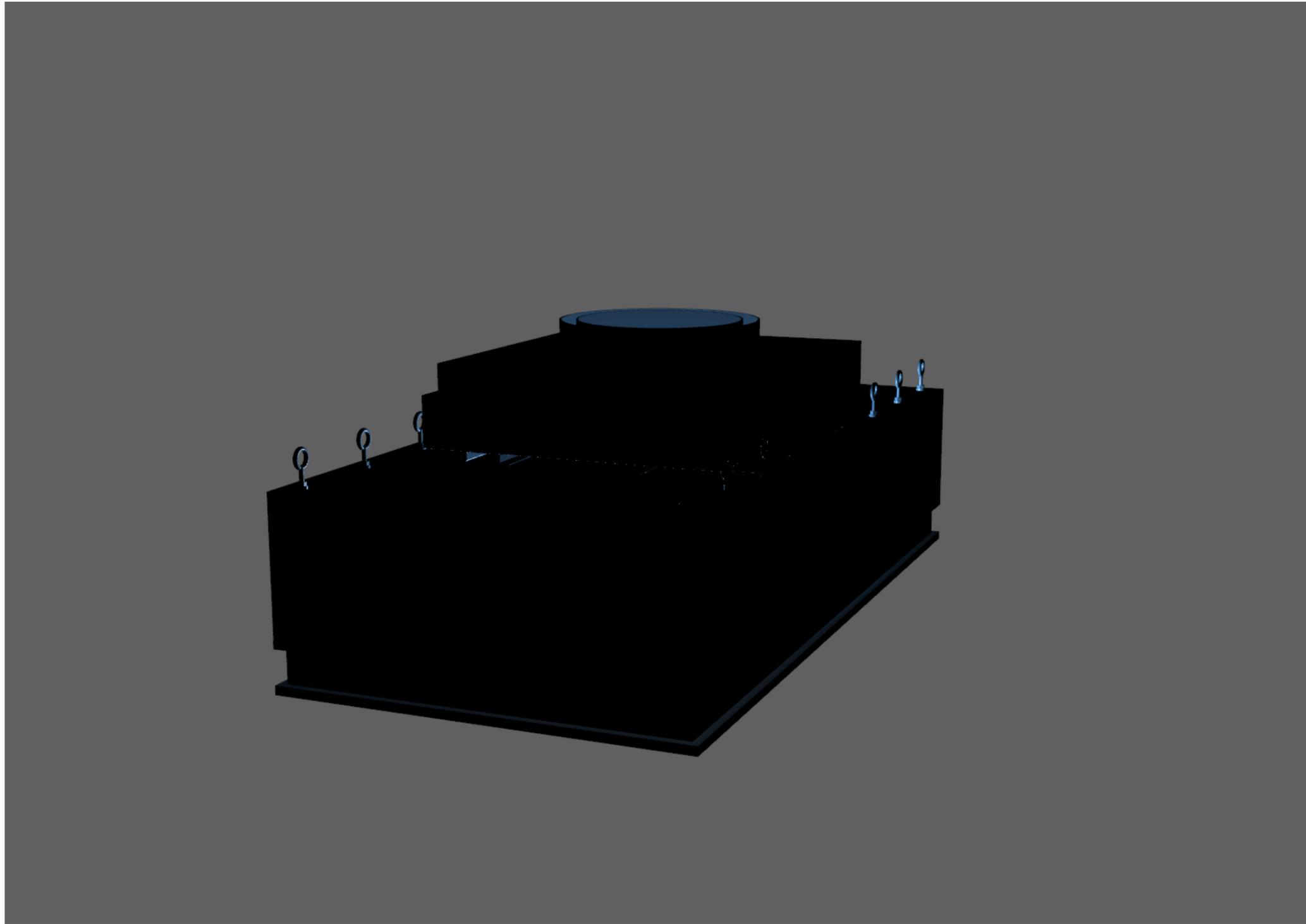
273442

Revision: B

11-17-2022

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**FAN FILTER UNIT WITH BENCHTOP 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

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## FAN FILTER UNIT WITH BENCHTOP REPLACEABLE FILTER CONSTRUCTION DETAILS AND OPTIONS - SUPPLY

### STANDARD CONSTRUCTION

- GALVANIZED STEEL CONTROL BOX WITH DISCONNECT SWITCH
- ALUMINUM PLENUM CONSTRUCTION
- FACTORY INSTALLED LATCHES ON PLENUM FOR TOOL FREE FILTER INSTALLATION/REPLACEMENT (IN FIELD BY OTHERS)
- TOPSIDE MOTOR/BLOWER ACCESS
- BENCHTOP 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 FINISH

- WASHED MILL ALUMINUM
- B12 STANDARD WHITE

### 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

### OPTIONS

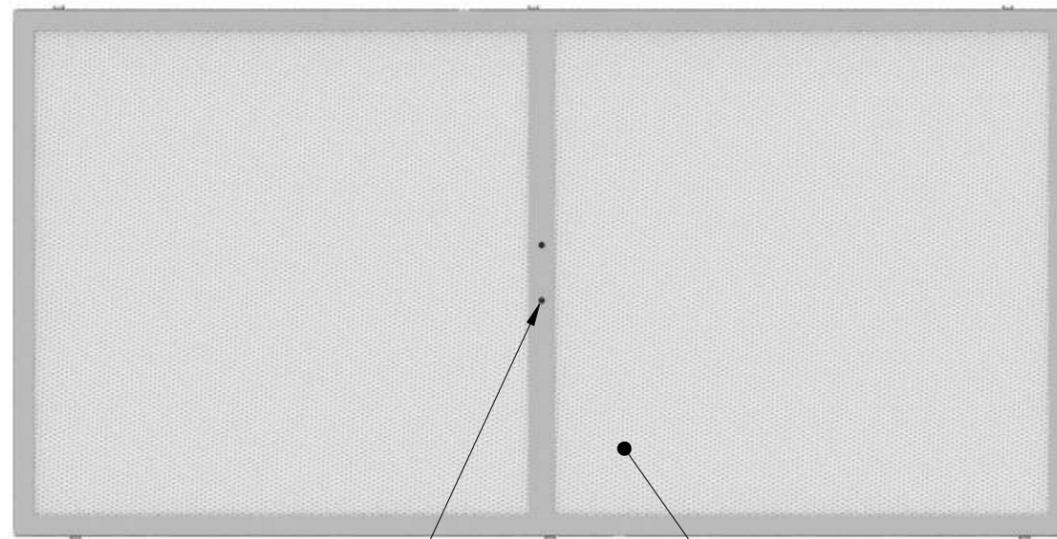
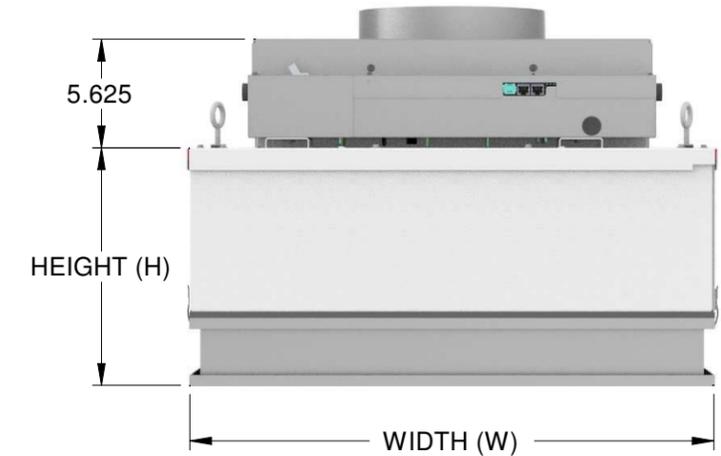
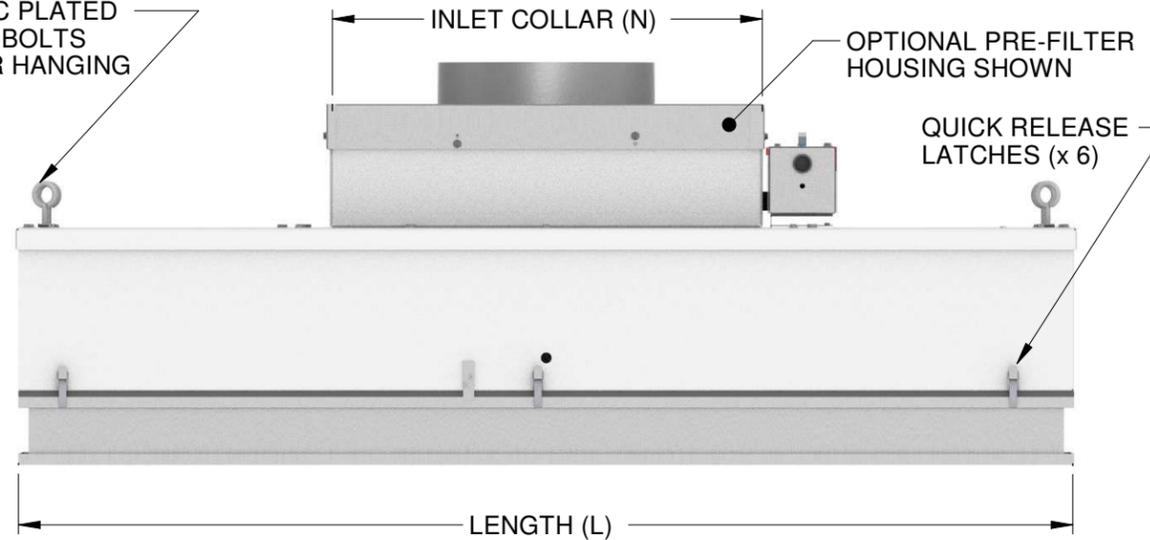
- WALL MOUNTED SPEED CONTROL (SEE FFUCS SUBMITTAL 273558)
- POWER CORD (8ft 115V or 6ft 277V)
- MERV 8 PRE-FILTER (NON-DUCTED UNITS ONLY)
- MERV 8 PRE-FILTER WITH SIDE ACCESS HOUSING (DUCTED UNITS ONLY)
- WASHABLE PRE-FILTER WITH SIDE ACCESS HOUSING (DUCTED UNITS ONLY)
- NETC12 - 12 FOOT RJ45 NETWORKING CABLE FOR BACnet DAISY CHAIN
- NETC35 - 35 FOOT RJ45 NETWORKING CABLE FOR BACnet DAISY CHAIN

ZINC PLATED EYEBOLTS FOR HANGING

INLET COLLAR (N)

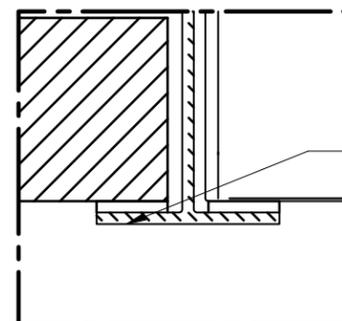
OPTIONAL PRE-FILTER HOUSING SHOWN

QUICK RELEASE LATCHES (x 6)



LED INDICATOR

EXPANDED METAL SCREEN



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

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	11.000	16.000	3.3	4.0/1.6/1.6	3.2/1.8/1.6
	24x36	23.625	35.625	11.000	20.000	5.1	4.0/1.6/1.6	4.8/2.7/2.4
	24x48	23.625	47.625	11.000	20.000	7.0	4.0/1.6/1.6	4.5/2.6/2.5
BC	24x36	23.625	35.625	11.000	20.000	5.1	4.0/1.6/1.6	2.3/1.5/1.5
	24x48	23.625	47.625	11.000	20.000	7.0	4.0/1.6/1.6	2.9/1.6/1.6

.EDK OPTION WITH PSC MOTOR ADDS 6" TALL LED BOX

**PRICE** | **CRITICAL ENVIRONMENTS**

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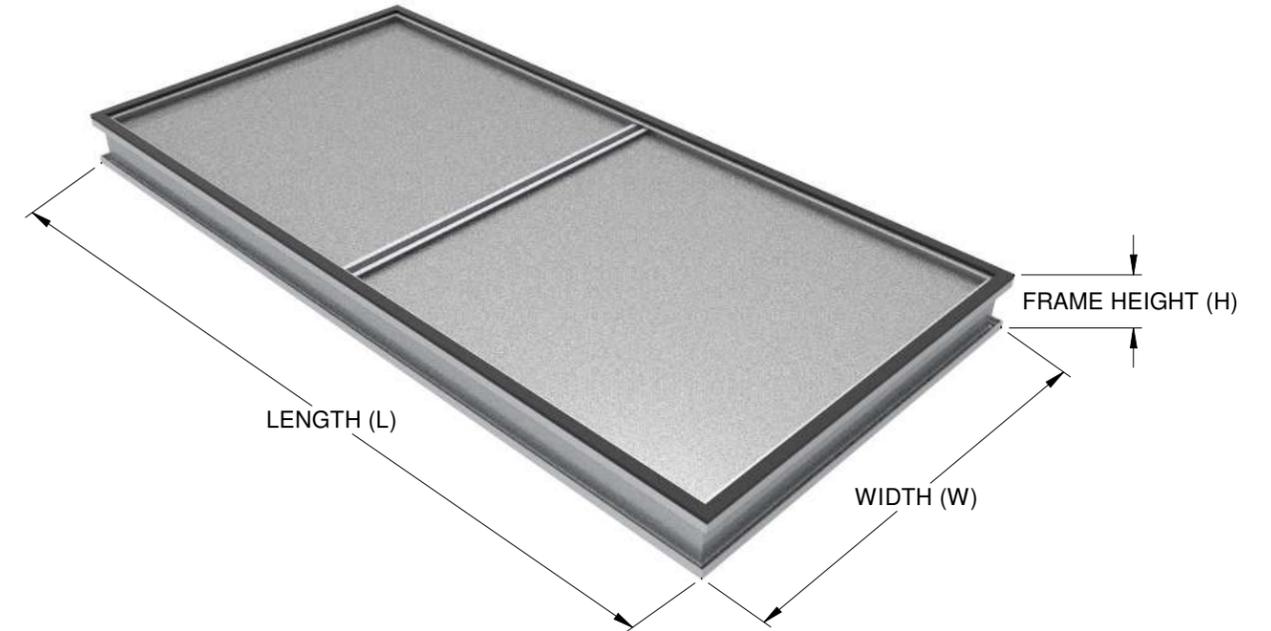
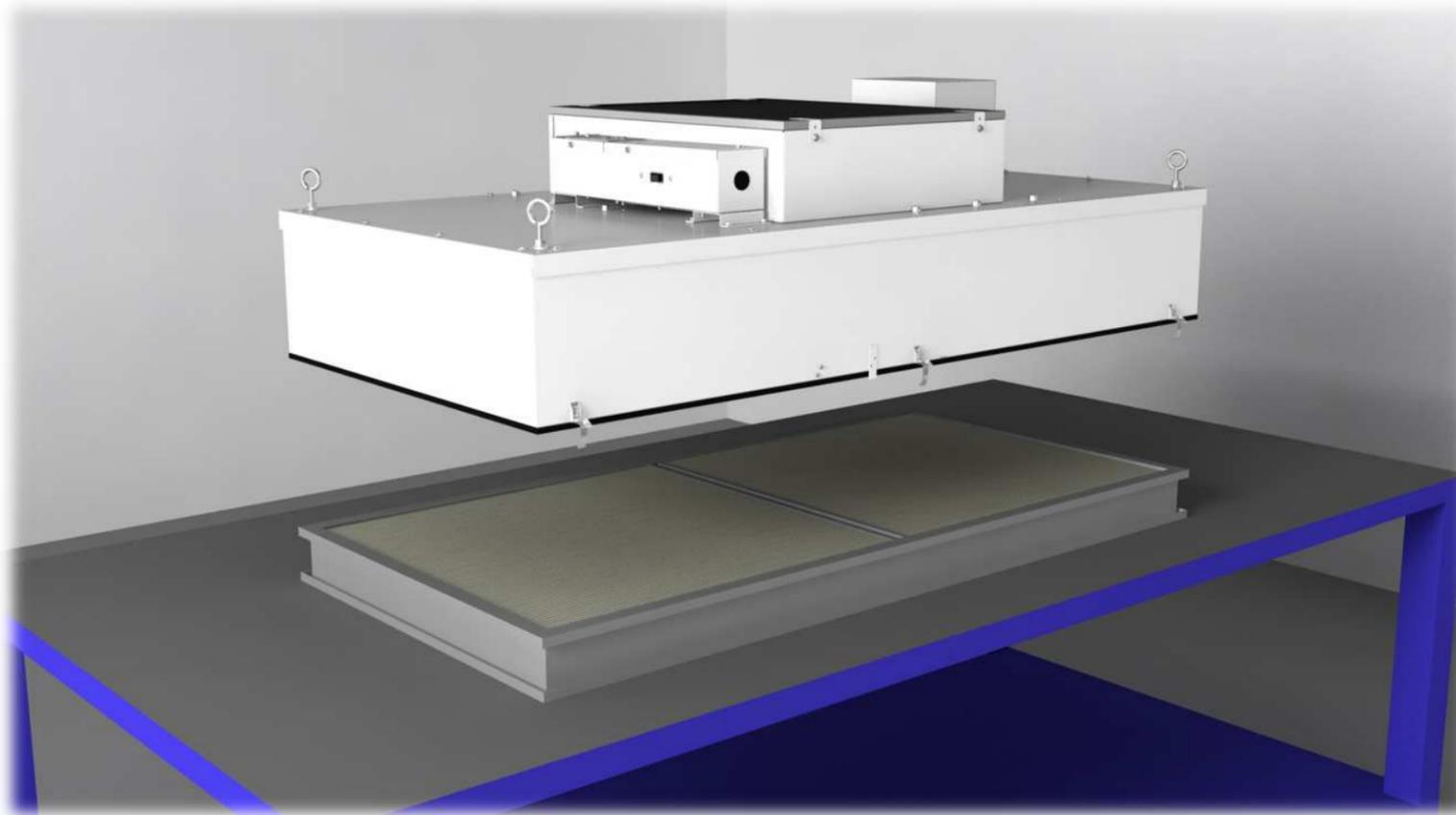
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## FAN FILTER UNIT WITH BENCHTOP REPLACEABLE FILTER FILTER DETAILS



### NOTES

- FILTER PLEATS RUN PARALLEL TO THE WIDTH (W) DIMENSION
- DIMENSIONS L & W TOLERANCES +/-  $\frac{1}{16}$ "
- FILTERS COME WITH GASKETED UPSTREAM FLANGE AND CENTER MULLION WITH STATIC PRESSURE PORTS
- 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)
23.625	23.625	3.06
23.625	35.625	3.06
23.625	47.625	3.06

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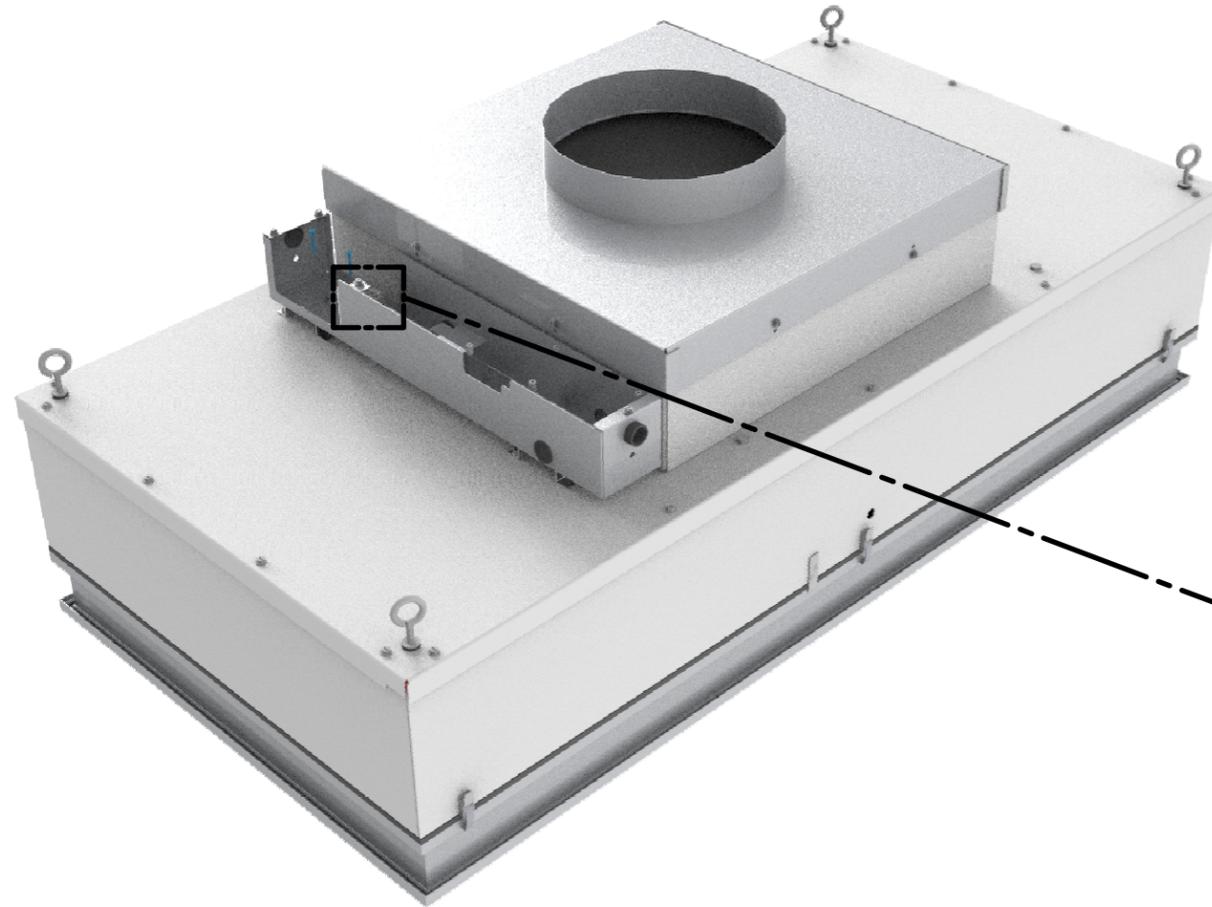
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VISIT PRICE INDUSTRIES WEBSITE FOR FILTER QUICK START GUIDE  
<https://www.priceindustries.com/content/uploads/assets/literature/manuals/section%20e/ffr-room-side-replaceable-filter-rsr-quick-start-guide.pdf>

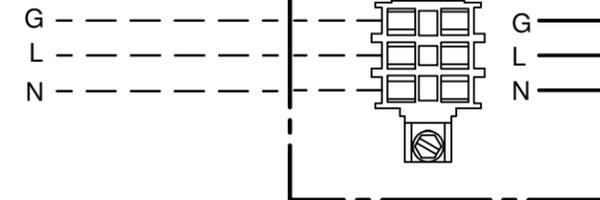
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## FAN FILTER UNIT WITH BENCHTOP REPLACEABLE FILTER FIELD CONNECTION DETAILS



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

FAN  
HIGH VOLTAGE  
FIELD CONNECTIONS



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

**PRICE** | **CRITICAL ENVIRONMENTS**

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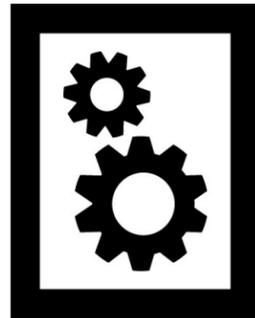
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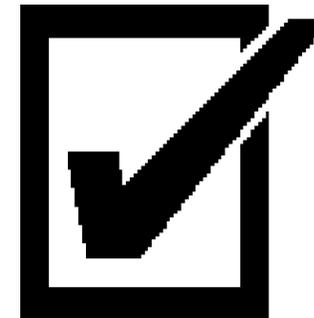
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## FAN FILTER UNIT WITH BENCHTOP REPLACEABLE FILTER SUPPORTING CONTENT



### MANUALS

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



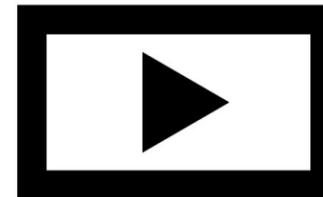
### SUBMITTALS

FFU FAN FILTER UNIT CONTROLS SUBMITTAL  
FTR REPLACEMENT FILTER SUBMITTAL  
HGMF HOSPITAL GRADE MOUNTING FRAME SUBMITTAL



### 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 EXHAUST FLOW SPECIFICATION



FOR MORE INFORMATION ON PRICE FAN FILTER UNITS, VISIT  
[PRICEINDUSTRIES.COM](http://PRICEINDUSTRIES.COM)

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