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 CONTAMINANTS) 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
FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE FILTER
3D INTERACTIVE MODELS

PRODUCT CONFIGURATIONS
(CLICK BUTTONS TO TOGGLE VIEWS)

- 24 x 24 SUPPLY
- 24 x 36 SUPPLY
- 24 x 48 SUPPLY
- 24 x 24 REVERSE FLOW
- 24 x 48 REVERSE FLOW

- USE THE SCROLL WHEEL TO ZOOM
- HOLD DOWN THE LEFT MOUSE BUTTON TO ROTATE
- HOLD DOWN CTRL AND LEFT MOUSE BUTTON TO MOVE
**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 HG MF FRAME. SEE HG MF 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 - 304 KNIFE EDGE (OPTIONAL FINISH AVAILABLE)

**FACE FINISH**
- WASHED MILL ALUMINUM
- B12 - STANDARD WHITE
- STAINLESS STEEL - 2B PLENUM & KNIFE EDGE (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
- LEDK OPTION WITH PSC MOTOR ADDS 6" TALL LED BOX

**OPTIONS**
- WALL MOUNTED SPEED CONTROL (SEE FFUCS SUBMITTAL 273558)
- POWER CORD (6ft 115V or 6ft 277V)
- ROOMSIDE + TOP ACCESSIBLE CONTROLS
- 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

**PROJECT:**
273441  Revision: B  10-20-2021
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 - 304 PERF SCREEN & INNER FRAME (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)

LED INDICATOR
- PERFORATED DIFFUSER FACE
- 51% FREE AREA

EXHAUST DUCT COLLAR

HEIGHT (H)

LENGTH (L)

WIDTH (W)

INCHES

NETC12 - 12 FOOT RJ45 NETWORKING CABLE FOR BACnet DAISY CHAIN
NETC35 - 35 FOOT RJ45 NETWORKING CABLE FOR BACnet DAISY CHAIN

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

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
FFU
FAN FILTER UNIT WITH ROOM-SIDE REPLACEABLE FILTER
FILTER DETAILS

NOTES
- FILTER PLEATS RUN PARALLEL TO THE WIDTH (W) DIMENSION
- DIMENSIONS L & W TOLERANCES +/− .16"
- FILTERS COME WITH GEL SEAL FILLED CHANNEL
- EXPANDED PAINTED WHITE SCREEN ON THE DOWNSTREAM SIDE
- FRAME DETAILS:
- MATERIAL: ANODIZED EXTRUDED ALUMINUM
- THICKNESS: .16" (MINIMUM)
- HEPA FILTERS EFFICIENCY AND LEAK SCAN TESTED TO IEST RP C001 TYPE J
- ULPA FILTERS EFFICIENCY AND LEAK SCAN TESTED TO IEST RP C001 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

VISIT PRICE INDUSTRIES WEBSITE FOR FILTER QUICK START GUIDE

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

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

- PREWIRED FACTORY CONNECTION
- FIELD CONNECTION GROUND N NEUTRAL L LINE CONNECTION

FAN HIGH VOLTAGE FIELD CONNECTIONS G L N G L N

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

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10-20-2021
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
NOTES
- OSHPD SPECIAL SEISMIC CERTIFICATION PRE-APPROVAL 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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