Fan Filter Unit
Roomside Removable Filter, Forward Curved Wheel, EC Motor

STANDARD CONSTRUCTION:
- Forward Curved Blower Wheel
- EC Motor, 50/60 Hz, 1 Phase
- 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)
- 20"x20" Rectangular Inlet Collar
- Washable Pre-Filter (Non-Ducted Units)

VOLTAGE:  SPEED CONTROL:
- 115V  EC Motor Standard Speed Controller
- 208V  BACnet Flow Controller, Motor and Filter
- 240V  Status over BACnet. See 265794 for Details
- 277V

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)

FILTER:
- HEPA, 99.99% @ 0.30 micron, IEST RP CC001.5 Type C
- ULPA, 99.995% @ 0.12 micron, IEST RP CC001.5 Type F

OPTIONS:
- Room Side Accessible Controls (See Room Side Submittal 271781)
- Wall Mounted Speed Control (See FFUCS Submittal 269849)
- Power Cord (8ft 115V or 6ft 277V)
- 10" Round Inlet Duct Collar
- 12" Round Inlet Duct Collar
- 14" Round Inlet Duct Collar
- 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)
- 3/8" NPT Roomside Aerosol Injection Port

FILTER AND MOTOR STATUS LIGHTS:
- Constant Flow
- Constant Torque

FILTER AND MOTOR STATUS LIGHTS:
- Tri-Color Face Mounted LED Filter and Motor Status Light (Available w/BACnet Flow Controller Only)

SEISMIC:
- OSHPD Special Seismic Certification Preapproval: OSP-0302-10
- Seismic Hanger Brackets and Special Mounting Required (See 266852 for Details)


PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE:  SPEC. SYMBOL:

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Fan Filter Unit
Roomside Removable Filter, Backward Curved Wheel, EC Motor

STANDARD CONSTRUCTION:
- BACKWARD CURVED BLOWER WHEEL
- EC MOTOR, 50/60 Hz, 1 PHASE
- CONSTANT TORQUE MOTOR PROGRAM
- 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 HGFM FRAME.
- SEE HGFM SUBMITTAL (271137)
- 20"x20" RECTANGULAR INLET COLLAR
- WASHABLE PRE-FILTER (NON-DUCTED UNITS)

VOLTAGE: SPEED CONTROL:
- 115V  EC MOTOR STANDARD SPEED CONTROLLER
- 208V  BACnet FLOW CONTROLLER, MOTOR AND FILTER
- 240V  STATUS OVER BACnet. SEE 265794 FOR DETAILS

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
- 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)

FILTER:
- HEPA, 99.99% @ 0.30 MICRON, IEST RP CC001.5 TYPE C
- ULPA, 99.9995% @ 0.12 MICRON, IEST RP CC001.5 TYPE F

OPTIONS:
- ROOM SIDE ACCESSIBLE CONTROLS (SEE ROOM SIDE SUBMITTAL 271781)
- WALL MOUNTED SPEED CONTROL (SEE FFUCS SUBMITTAL 269849)
- POWER CORD (8ft 115V or 6ft 277V)
- 10" ROUND INLET DUCT COLLAR
- 12" ROUND INLET DUCT COLLAR
- 14" ROUND INLET DUCT COLLAR
- 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)
- 3/8" NPT ROOMSIDE AEROSOL INJECTION PORT

FILTER AND MOTOR STATUS LIGHTS:
- TRI-COLOR FACE MOUNTED LED FILTER AND MOTOR STATUS LIGHT
  (AVAILABLE w/BACnet FLOW CONTROLLER ONLY)

SEISMIC:
- OSHPD SPECIAL SEISMIC CERTIFICATION
  PREAPPROVAL: OSP-0302-10.
  SEISMIC HANGER BRACKETS
  AND SPECIAL MOUNTING REQUIRED
  (SEE 266852 FOR DETAILS)


IMPERIAL UNITS (INCHES)

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
<th>W</th>
<th>L</th>
<th>H</th>
<th>FILTER AREA (ft²)</th>
<th>MAX AMPS</th>
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<tr>
<td>2x4</td>
<td>25.625</td>
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<td>12.750</td>
<td>5.3</td>
<td>1.8/1.0/1.0</td>
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<td>23.625</td>
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<td>12.750</td>
<td>3.6</td>
<td>2.0/1.0/0.8</td>
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SI UNITS (mm)

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<th>UNIT SIZE</th>
<th>W</th>
<th>L</th>
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<th>FILTER AREA (m²)</th>
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<td>905</td>
<td>324</td>
<td>0.35</td>
<td>2.0/1.0/0.8</td>
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</tbody>
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Fan Filter Unit
Roomside Removable Filter, Forward Curved Wheel, PSC Motor

STANDARD CONSTRUCTION:
- FORWARD CURVED BLOWER WHEEL
- PSC MOTOR, 60 Hz, 1 PHASE
- PSC MOTOR STANDARD UNIVERSAL SPEED CONTROLLER
- 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)
- 20''x20'' RECTANGULAR INLET COLLAR
- WASHABLE PRE-FILTER (NON-DUCTED UNITS)

FILTER:
- HEPA, 99.99% @ 0.30 MICRON, IEST RP CC001.5 TYPE C
- ULPA, 99.9995% @ 0.12 MICRON, IEST RP CC001.5 TYPE F

OPTIONS:
- ROOM SIDE ACCESSIBLE CONTROLS (SEE ROOM SIDE SUBMITTAL 271781)
- WALL MOUNTED SPEED CONTROL (SEE FFUCS SUBMITTAL 247779)
- POWER CORD (8ft 115V or 6ft 277V)
- 10'' ROUND INLET DUCT COLLAR
- 12'' ROUND INLET DUCT COLLAR
- 14'' ROUND INLET DUCT COLLAR
- 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)
- 3/8'' NPT ROOMSIDE AEROSOL INJECTION PORT

FILTER AND MOTOR STATUS LIGHTS:
- FL OPTION - GREEN/YELLOW FACE MOUNTED FILTER STATUS LED
- ML OPTION - GREEN/RED FACE MOUNTED MOTOR STATUS LED
- FL+ML OPTION - TRI-COLOR FACE MOUNTED FILTER AND MOTOR STATUS LED

SEISMIC:
- OSHPD SPECIAL SEISMIC CERTIFICATION
- PREAPPROVAL: OSP-0302-10.
- SEISMIC HANGER BRACKETS AND SPECIAL MOUNTING REQUIRED (SEE 266852 FOR DETAILS)

NOTE:
For ducted applications, reference FFU Service and Installation manual for balancing procedure.

VOLTAGE:
- 115V
- 208V
- 240V
- 277V

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

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

IMPERIAL UNITS (INCHES)

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PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL: AUG 2020 FFU-1-X

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# Fan Filter Unit

**Roomside Removable Filter, Backward Curved Wheel, PSC Motor**

## Standard Construction:
- Backward curved blower wheel
- PSC motor, 60 Hz, 1 phase
- PSC motor standard universal speed controller
- 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)
- 20”x20” rectangular 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 perforated screen & inner frame

## Plenum Finish:
- Washed mill aluminum
- B12 - standard white
- Stainless steel - 2B plenum & stainless steel - #4 knife edge

## Face Finish:
- Washed mill aluminum
- B12 - standard white
- #4 stainless steel

## Imperial Units (inches):

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## Options:
- Room side accessible controls (see room side submittal 271781)
- Wall mounted speed control (see FFUCS submittal 247779)
- Power cord (8ft 115V or 6ft 277V)
- 10” round inlet duct collar
- 12” round inlet duct collar
- 14” round inlet duct collar
- MERV & Pre-filter (non-ducted units only)
- MERV & Pre-filter with side access housing (ducted units only)
- Washable pre-filter with side access housing (ducted units only)
- 3/8” NPT roomside aerosol injection port

## Filter:
- HEPA, 99.99% @ 0.30 micron, IEST RP CC001.5 Type C
- ULPA, 99.9995% @ 0.12 micron, IEST RP CC001.5 Type F

## Filter and Motor Status Lights:
- FL option - green/yellow face mounted filter status LED
- ML option - green/Red face mounted motor status LED
- FL+ML option - tri-color face mounted filter and motor status LED

## Seismic:
- OSHPD special seismic certification
- Preapproval: OSP-0302-10
- Seismic hanger brackets and special mounting required (see 266852 for details)

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**Project:**

**Engineer:**

**Customer:**

**Submittal Date:**

**Spec. Symbol:**

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