Fan Filter Unit - Reverse Flow
Exhaust or Return, Room Side Removable Filter, Forward Curved Wheel, EC Motor

STANDARD CONSTRUCTION:
- Forward curved blower wheel
- EC motor, 50/60 Hz, 1 phase
- Disconnect switch
- Room side accessible motor and blower assembly
- Room side removable filter, packaged separately for job site 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 HGFM frame. See HGFM submittal (271137)

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 perforated 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, 99.9995% @ 0.12 micron, IEST RP CC001.5 TYPE F

OPTIONS:
- Wall mounted speed control (see FFUCS submittal 269849)
- Power cord (8ft 115V or 6ft 277V)
- 10" round duct collar
- 12" round duct collar
- MERV & pre-filter

MOTOR PROGRAM:
- Constant flow
- Constant torque

MOTOR AND FILTER STATUS INDICATORS:
- Tri-color face mounted LED (available w/BACnet flow controller only)

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>
</tr>
</thead>
<tbody>
<tr>
<td>2x4</td>
<td>23.625</td>
<td>47.625</td>
<td>18.000</td>
<td>5.3</td>
<td>4.4/2.7/2.4</td>
</tr>
</tbody>
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SI UNITS (MM)

<table>
<thead>
<tr>
<th>UNIT SIZE</th>
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<tbody>
<tr>
<td>2x4</td>
<td>600</td>
<td>1210</td>
<td>457</td>
<td>0.49</td>
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NOTE:
For ducted applications, reference FFU service and installation manual for balancing procedure.
Fan Filter Unit - Reverse Flow
Exhaust or Return, Room Side 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
- ROOM SIDE ACCESSIBLE MOTOR AND BLOWER ASSEMBLY
- 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)

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

FACE FINISH:
- WASHED MILL ALUMINUM
- #12 - 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:
- WALL MOUNTED SPEED CONTROL (SEE FFUCS SUBMITTAL 247779)
- POWER CORD (8ft 115V or 6ft 277V)
- 10" ROUND DUCT COLLAR
- 12" ROUND DUCT COLLAR
- MERV 8 PRE-FILTER


PROJECT:

ENGINEER: 
CUSTOMER: 
SUBMITTAL DATE: AUG 2020

SPEC. SYMBOL: FFU-1-X

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**Fan Filter Unit - Reverse Flow**

**Exhaust & Recirculation, Room Side Removable Filter**

*Forward Curved Wheel, EC Motor*

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**STANDARD CONSTRUCTION:**
- *Forward Curved Blower Wheel*
- *EC Motor, 50/60 Hz, 1 Phase*
- *Disconnect Switch*
- *Room Side Accessible Motor and Blower Assembly*
- *Room Side Removable Filter, Packaged Separately for Jobsite Installation by Others*
- *Extruded Aluminum Filter Frame with Urethane Gel*
- *Walkable Pletum (250 LBS)*
- *Lay In Ceiling Installation Only, For Surface Mount Installation Order Separate Aluminum Plaster Frame. See APF Submittal (228804)*

**Pletum Construction:**
- *Aluminum Pletum, Extruded Knife Edge Frame*

**Face Construction:**
- *Aluminum (Extruded Frame)*

**Voltage:**
- 115V
- 208V
- 240V
- 277V

**SPEED CONTROL:**
- EC Motor Standard Speed Controller
- BACnet Flow Controller. Motor and Filter
- Status Over BACnet. See 265794 for Details

**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:**
- Wall Mounted Speed Control (See 247779 for Details)
- Power Cord (6ft 115V or 6ft 277V)
- 10" Round Duct Collar for Recirculation
- 8" Round Duct Collar for Exhaust
- Manual Quadrant Damper

**Motor Program:**
- Constant Flow
- Constant Torque

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**IMPERIAL UNITS (INCHES):**

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**PROJECT:**

FFU Reverse Flow for Exhaust & Recirculation

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

04/07/2020

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