Project: 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 Jobsite Installation by Others
- Extruded Aluminum Filter Frame with Urethane Gel
- Lay in Ceiling Installation Only. For Surface Mount Installation Order Separate HGMF Frame.
  
  See HGMF Submittal (271137)

**Voltage:**
- 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

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

**PleNUM Finish:**
- Washed Mill Aluminum
- White Powder Coat - B12 (Optional Finish Available)

**Face Finish:**
- Washed Mill Aluminum
- White Powder Coat - B12 (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 8 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>Size</th>
<th>W</th>
<th>L</th>
<th>H</th>
<th>Filter Area (ft²)</th>
<th>Max Amps (115/208-240/277)</th>
</tr>
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<tbody>
<tr>
<td>2x4</td>
<td>23.625</td>
<td>47.625</td>
<td>18.000</td>
<td>5.3</td>
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**Metric Units (mm):**

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

**Filter:**
- 99.99% @ 0.30 Micron, IEST RP CC001.5 Type C
- 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 8 Pre-Filter

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

**Motor and Filter Status Indicators:**
- Tri-Color Face Mounted LED (Available w/BACnet Flow Controller Only)

**Project:**
DR

**Engineer:**

**Customer:**

**Submittal Date:**
JAN 2019

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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
• LAY IN CEILING INSTALLATION ONLY. FOR SURFACE MOUNT INSTALLATION ORDER SEPARATE ALUMINUM PLASTER FRAME. SEE APF SUBMITTAL (228804)

VOLTAGE:
☐ 115V
☐ 208V
☐ 240V
☐ 277V

PLENUM CONSTRUCTION:
☐ ALUMINUM PLENUM, EXTRUDED KNIFE EDGE FRAME

FACE CONSTRUCTION:
☐ ALUMINUM (EXTRUDED FRAME)

PLENUM FINISH:
☐ WASHED MILL ALUMINUM
☐ WHITE POWDER COAT - B12 (OPTIONAL FINISH AVAILABLE)

FACE FINISH:
☐ WASHED MILL ALUMINUM
☐ WHITE POWDER COAT - B12 (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 247779 FOR DETAILS)
☐ POWER CORD (8ft 115V or 6ft 277V)
☐ 10" ROUND DUCT COLLAR
☐ 12" ROUND DUCT COLLAR
☐ MERV 8 PRE-FILTER

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

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Fan Filter Unit - Reverse Flow
Exhaust & Recirculation, 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 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 ALUMINUM PLASTER FRAME. SEE APF SUBMITTAL (228804)

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

FACE CONSTRUCTION:
- ALUMINUM (EXTRUDED FRAME)

PLENUM FINISH:
- WASHED MILL ALUMINUM
- WHITE POWDER COAT - B12 (OPTIONAL FINISH AVAILABLE)

FACE FINISH:
- WASHED MILL ALUMINUM
- WHITE POWDER COAT - B12 (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:
- WALL MOUNTED SPEED CONTROL (SEE 247779 FOR DETAILS)
- POWER CORD (8ft 115V or 6ft 277V)
- 10" ROUND DUCT COLLAR FOR RECIRCULATION
- 8" ROUND DUCT COLLAR FOR EXHAUST c/w MANUAL QUADRANT DAMPER

MOTOR PROGRAM:
- CONSTANT FLOW □ CONSTANT TORQUE

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

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PROJECT:
FFU Reverse Flow for Exhaust & Recirculation

ENGINEER:
PXY72889

CUSTOMER:

SUBMITTAL DATE: REVISION: 0
04/07/2020

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Sheet 1 of 1