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 HGFM FRAME.
- SEE HGFM SUBMITTAL (271137)
- SQUARE INLET COLLAR
- WASHABLE PRE-FILTER (NON-DUCTED UNITS)

**VOLTAGE:**

<table>
<thead>
<tr>
<th>UNIT</th>
<th>SIZE</th>
<th>W</th>
<th>L</th>
<th>H</th>
<th>N</th>
<th>FILTER AREA (ft²)</th>
<th>MAX AMPS (115/208-240/277)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2x4</td>
<td>23.625</td>
<td>47.625</td>
<td>12.750</td>
<td>20.000</td>
<td>5.3</td>
<td>4.9/2.9/2.5</td>
<td></td>
</tr>
<tr>
<td>2x3</td>
<td>23.625</td>
<td>35.625</td>
<td>12.750</td>
<td>20.000</td>
<td>3.8</td>
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<tr>
<td>2x2</td>
<td>23.625</td>
<td>23.625</td>
<td>12.750</td>
<td>16.000</td>
<td>2.3</td>
<td>4.2/2.4/1.7</td>
<td></td>
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</tbody>
</table>

**SI UNITS (mm):**

<table>
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<tr>
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<tbody>
<tr>
<td>2x4</td>
<td>600</td>
<td>1210</td>
<td>324</td>
<td>508</td>
<td>0.49</td>
<td>4.9/2.9/2.5</td>
<td></td>
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<tr>
<td>2x3</td>
<td>600</td>
<td>905</td>
<td>324</td>
<td>508</td>
<td>0.35</td>
<td>4.8/2.1/2.0</td>
<td></td>
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<td>600</td>
<td>600</td>
<td>324</td>
<td>406</td>
<td>0.21</td>
<td>4.2/2.4/1.7</td>
<td></td>
</tr>
</tbody>
</table>

**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)
- STATUS OVER BACnet. SEE 265794 FOR DETAILS
- 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)
- 1/2" DIA. BARBED 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)

**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 Penum (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)
- Square Inlet Collar
- Washable Pre-Filter (Non-Ducted Units)

**PENUM CONSTRUCTION:**
- Aluminum Penum, Extruded Knife Edge Frame
- Stainless Steel - 304 Penum & Knife Edge Frame

**FACE CONSTRUCTION:**
- Aluminum (Extruded Frame)
- Stainless Steel - 304 Perf Screen & Inner Frame

**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

**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

**PLACEMENT:**
- Wall Mounted Speed Control (See FFUCS Submittal 269849)
- Power Cord (8ft 115V or 8ft 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)
- 1/2" Dia. Barbed 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)

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

**NOTE:**
For ducted applications, reference FFU Service and Installation manual for balancing procedure.
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 (200 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)

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 - 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 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)
- 1/2” Dia. Barbed 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
- Special Mounting Required (See 266852 for Details)

FILTER AREA:
- Max Amps (115/208-240/277)

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NOTE: For fluid applications, reference FFU Service and Installation manual for balancing procedure.
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 HG MF FRAME.
- SEE HG MF SUBMITTAL (271137)
- SQUARE 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

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

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.

PROJECT:
265801

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:
NOV 2020

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