Fan Filter Unit
Bench Top Replaceable Filter, Forward Curved Wheel, EC Motor

STANDARD CONSTRUCTION:
- Forward Curved BLOWER WHEEL
- EC Motor, 50/60 Hz, 1 PHASE
- Top Motor/Blower Access
- Disconnect Switch
- Factory installed Latches on plenum for tool-free filter installation/replacement (in field by others)
- Bench Top Replaceable Filter, packaged separately for jobsite installation by others
- Walkable plenum (250 lbs)
- Lay in ceiling installation only, for surface mount installation order separate HGMF Frame.

SEE HGMF Submittal (271137)
- Extruded Aluminum Filter Frame with upstream gasket, white powder coat expanded metal screen
- Extruded aluminum center divider with 0.315"(x2) ports, sealed with well nuts
- Port (1) Static Pressure and aerosol Sample Port
- Port (2) Optional Filter and Motor Status Indicator (field mounted by others)
- 20"x20" Rectangular inlet collar
- Washable pre-filter (non-ducted units)

VOLTAGE:  Speed Control:
- 115V
- 208V
- 240V
- 277V
- EC Motor standard Speed Controller
- Status over BACnet. See 265794 for details

PLENUM FINISH:
- Washed Mill Aluminum
- B12 - Standard White

IMPERIAL UNITS (INCHES)

| UNIT SIZE | W | L | H | N | FILTER AREA (ft²) | MAX AMPS
|-----------|---|---|---|---|------------------|--------
| 224       | 23.625 | 47.625 | 11.000 | 20.000 | 5.1 | 4.8/2.1/2.1 |
| 223       | 23.625 | 35.625 | 11.000 | 20.000 | 5.1 | 4.8/2.1/2.0 |
| 222       | 23.625 | 23.625 | 11.000 | 16.000 | 3.3 | 5.0/2.9/2.2 |

SI UNITS (mm)

| UNIT SIZE | W | L | H | N | FILTER AREA (m²) | MAX AMPS
|-----------|---|---|---|---|------------------|--------
| 224       | 600 | 1210 | 279 | 508 | 0.64 | 5.0/2.4/2.1 |
| 223       | 600 | 905 | 279 | 508 | 0.47 | 4.8/2.1/2.0 |
| 222       | 600 | 600 | 279 | 406 | 0.31 | 5.0/2.9/2.2 |

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)
- 12ft RJ45 Network Cable (For daisy chain on BACnet option only)
- 35ft RJ45 Network Cable (For daisy chain on BACnet option only)
- 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)

MOTOR PROGRAM:
- Constant Flow
- Constant Torque

FILTER AND MOTOR STATUS LIGHTS:
- Tri-color face mounted LED filter and motor status light

SEISMIC:
- OSHPD Special Seismic Certification
  Preapproval: OSP-0302-10
  Seismic hanger brackets and special mounting required
  (see 266852 for details)

Fan Filter Unit
Bench Top Replaceable Filter, Backward Curved Wheel, EC Motor

STANDARD CONSTRUCTION:
- Backward Curved Blower Wheel
- EC Motor, 50/60 Hz, 1 Phase
- Top Motor/Blower Access
- Constant Torque Motor Program
- Disconnect Switch
- Factory Installed Latches on Plenum for Tool-Free Filter Installation/Replacement (In Field by Others)
- Bench Top Replaceable Filter, Packaged Separately for Jobsite Installation by Others
- Walkable Plenum (250 lbs)
- Lay in Ceiling Installation Only. For Surface Mount Installation Order Separate HGMF Frame.

SEE HGMF SUBMITTAL (271137)
- Extruded Aluminum Filter Frame with Upstream Gasket, White Powder Coat Expanded Metal Screen
- Extruded Aluminum Center Divider with 0.315"(x2) Ports, Sealed with Well Nuts
- Port (1) Static Pressure and Aerosol Sample Port
- Port (2) Optional Filter and Motor Status Indicator (Field Mounted by Others)
- 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 FINISH:
- Washed Mill Aluminum
- B12 - Standard White

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)
- 12ft RJ45 Network Cable (For Daisy Chain on BACnet Option Only)
- 35ft RJ45 Network Cable (For Daisy Chain on BACnet Option Only)
- 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)

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)


SUBMITTAL SHEET
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**Fan Filter Unit**

**Bench Top Replaceable Filter, Forward Curved Wheel, PSC Motor**

**STANDARD CONSTRUCTION:**
- Forward Curved Blower Wheel
- PSC Motor, 50/60 Hz, 1 Phase
- PSC Motor Standard Universal Speed Controller
- Top Motor/Blower Access
- Disconnect Switch
- Factory Installed Latches on Plenum for Tool-Free Filter Installation/Replacement (in field by others)
- Bench Top Replaceable Filter, packaged separately for jobsite installation by others
- Walkable Plenum (250 lbs)
- Lay in ceiling installation only. For surface mount installation order separate HGMF frame.
- See HGMF Submittal (271137)
- Extruded Aluminum Filter Frame with Upstream Gasket, White Powder Coat Expanded Metal Screen
- Extruded Aluminum Center Divider with 0.315"(x2) Ports, Sealed with Well Nuts
- Port (1) Static Pressure and Aerosol Sample Port
- Port (2) Optional Filter and Motor Status Indicator (field mounted by others)
- 20"x20" Rectangular Inlet Collar
- Washable Pre-Filter (non-ducted units)

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

**PLENUM FINISH:**
- Washed Mill Aluminum
- B12 - Standard White

**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 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)

**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)

**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

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**Fan Filter Unit**

**Bench Top Replaceable Filter, Backward Curved Wheel, PSC Motor**

- **Standard Construction:**
  - Backward Curved Blower Wheel
  - PSC Motor, 50/60 Hz, 1 Phase
  - PSC Motor Standard Universal Speed Controller
  - Top Motor/Blower Access
  - Disconnect Switch
  - Factory Installed Latches on Plenum for Tool-Free Filter Installation/Replacement (In Field by Others)
  - Bench Top Replaceable Filter, Packaged Separately for Job Site Installation by Others
  - Walkable Plenum (250 Lbs)
  - Lay-in Ceiling Installation Only. For Surface Mount Installation Order Separate HGMF Frame.

- **Extruded Aluminum Filter Frame with Upstream Gasket, White Powder Coat Expanded Metal Screen**
  - Extruded Aluminum Center Divider with 0.315”(x2) Ports, Sealed with Well Nuts
  - Port (1) Static Pressure and Aerosol Sample Port
  - Port (2) Optional Filter and Motor Status Indicator (Field Mounted by Others)
  - 20”x20” Rectangular Inlet Collar
  - Washable Pre-Filter (Non-Ducted Units)

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

- **Plenum Finish:**
  - Washed Mill Aluminum
  - B12 - Standard White

- **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 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)

- **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
  - ETL Seismic Hanger Brackets
  - And Special Mounting Required (See 266852 for Details)

**Imperial Units (Inches)**

<table>
<thead>
<tr>
<th>UNIT</th>
<th>W x L x H</th>
<th>FILTER AREA (ft²)</th>
<th>MAX AMPS</th>
</tr>
</thead>
<tbody>
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<td>oz4</td>
<td>23.625 x 47.625 x 10.675</td>
<td>6.9</td>
<td>4.0/1.6/1.6</td>
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<tr>
<td>oz3</td>
<td>23.625 x 35.625 x 10.675</td>
<td>5.1</td>
<td>4.0/1.6/1.6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SI Units (mm)</th>
<th>W x L x H</th>
<th>FILTER AREA (m²)</th>
<th>MAX AMPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>oz4</td>
<td>600 x 1210 x 271</td>
<td>0.64</td>
<td>4.0/1.6/1.6</td>
</tr>
<tr>
<td>oz3</td>
<td>600 x 905 x 271</td>
<td>0.47</td>
<td>4.0/1.6/1.6</td>
</tr>
</tbody>
</table>

**Filter Installation Latches**

- **Pre-Filter Housing (Optional on Ducted)**

**Bench Top Replaceable Filter Field Installed by Others**

**Interkekt**

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