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 ☐ 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)
☐ 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:
☐ 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)

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.
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
- DISCONNECT SWITCH PLACED IN BENCH TOP REPLACEABLE FILTER (FIELD INSTALLED BY OTHERS)
- FILTER INSTALLATION LATCHES
- IMPERIAL UNITS (INCHES)
- SI UNITS (mm)

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 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)

PROJECT:

ENGINEER:  
CUSTOMER:  
SUBMITTAL DATE:  
SPEC. SYMBOL:  

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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)
- FILTER 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" C2 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" X 20" 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.

ALL METRIC DIMENSIONS () ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL: AUG 2020

265804 FFU BTR-FC-PSC

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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 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

**Imperial Units (Inches):**

<table>
<thead>
<tr>
<th>UNIT</th>
<th>SIZE W</th>
<th>SIZE L</th>
<th>SIZE H</th>
<th>FILTER AREA (ft²)</th>
<th>MAX AMPS (115/208-240/277)</th>
</tr>
</thead>
<tbody>
<tr>
<td>W24</td>
<td>23.625</td>
<td>47.625</td>
<td>10.675</td>
<td>6.9</td>
<td>4.0/1.6/1.6</td>
</tr>
<tr>
<td>W20</td>
<td>23.625</td>
<td>47.625</td>
<td>10.675</td>
<td>5.1</td>
<td>4.0/1.6/1.6</td>
</tr>
</tbody>
</table>

**Si Units (mm):**

<table>
<thead>
<tr>
<th>UNIT</th>
<th>SIZE W</th>
<th>SIZE L</th>
<th>SIZE H</th>
<th>FILTER AREA (m²)</th>
<th>MAX AMPS (115/208-240/277)</th>
</tr>
</thead>
<tbody>
<tr>
<td>W24</td>
<td>600</td>
<td>1210</td>
<td>271</td>
<td>0.64</td>
<td>4.0/1.6/1.6</td>
</tr>
<tr>
<td>W20</td>
<td>500</td>
<td>905</td>
<td>271</td>
<td>0.47</td>
<td>4.0/1.6/1.6</td>
</tr>
</tbody>
</table>

**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)

**Note:** For ducted applications, reference FFU Service and Installation Manual for balancing procedure.

**Project:**

**Engineer:**

**Customer:**

**Submittal Date:**

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