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

**VOLTAGE:**
- 115V
- 208V
- 230V
- 277V

**FILTERS:**
- 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 FFUSC 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 & Pre-Filter (Non-Ducted Units Only)
- MERV & 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 (Available with BACnet Flow Controller Only)

**SEISMIC:**
- OSHPD Special Seismic Certification Preapproval: OSP-3302-10
- Seismic Hanger Brackets
- Special Mounting Required (see 266852 for Details)

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**IMPERIAL UNITS (INCHES)**

<table>
<thead>
<tr>
<th>UNIT</th>
<th>SIZE W</th>
<th>L</th>
<th>H</th>
<th>FILTER AREA (ft²)</th>
<th>MAX AMPS</th>
<th>(115/208-240/277)</th>
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**SI UNITS (mm)**

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<thead>
<tr>
<th>UNIT</th>
<th>SIZE W</th>
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**PROJECT:**

**ENGINEER:**

**CUSTOMER:**

**SUBMITTAL DATE:**

**SPEC. SYMBOL:**

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**NOTE:** For ducted applications, reference FFU Service and Installation manual for balancing procedure.
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.
- 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)
- SQUARE 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 ☐ 277V

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-002-10, SEISMIC HANGER BRACKETS AND SPECIAL MOUNTING REQUIRED (SEE 266852 FOR DETAILS)

PLENUM FINISH:
☐ WASHED MILL ALUMINUM
☐ B12 - STANDARD WHITE

IMPERIAL UNITS (INCHES)

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PROJECT: FFU BTR-BC-ECM
SUBMITTAL DATE: NOV 2020
SPEC. SYMBOL: 265798
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.

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)

FILTER INSTALLATION LATCHES
BENCH TOP INSTALLATION LATCHES

controls enclosure for motor and filter status (optional)

upstream gasket
filter installation latches
bench top installation latches

standard hanging: zinc plated eyebolts
pre-filter housing (optional on ducted)

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)
-square inlet collar
-washable pre-filter (non-ducted units)

voltage:
- 115V
- 208V
- 240V
- 277V

plenum finish:
- washed wall aluminum
- b12 - standard white

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, 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)
- SQUARE 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
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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)


FILTER INSTALLATION LATCHES

CONTACTS ENCLOSURE
FOR MOTOR AND FILTER STATUS (OPTIONAL)

FILTER INSTALLATION LATCHES

IMPERIAL UNITS (INCHES)

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PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:

NOV 2020 265802 FFU-1-X