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 METER 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:

ENGinneer:

CUSToMER:

SUBMITTAL DATE:  SPEC. SYMBOL:

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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
- FACTORY INSTALLED LATCHES ON PLENUM FOR TOOL-FREE FILTER INSTALLATION/REPLACEMENT (IN FIELD 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" X 20" RECTANGULAR INLET COLLAR
- WASHABLE PRE-FILTER (NON-DUCTED UNITS)

VOLTAGE: SPEED CONTROL:
- EC MOTOR STANDARD SPEED CONTROLLER
- BACnet FLOW CONTROLLER, MOTOR AND FILTER
- 115V
- 208V
- 240V
- 277V
- STATUS OVER BACnet SEE 265794 FOR DETAILS

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)


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

FILTER:
- 2x4: 23.625 47.625 11.000 6.9 3.3/1.5/1.4
- 2x3: 23.625 35.625 11.000 5.1 2.3/1.1/1.0

FILTER AREA (ft²) MAX AMPS
- (115/208-240/277)

SI UNITS (mm)
- 2x4: 600 1210 279 0.64 3.3/1.5/1.4
- 2x3: 600 905 279 0.47 2.3/1.1/1.0

FILTER AREA (m²) MAX AMPS
- (115/208-240/277)

PROJECT:
- FFU
- BTR-BC-ECM
- 265798

ENGINEER:
- KC

CUSTOMER:
- 265798

SUBMITTAL DATE:
- MAR 2020

SPEC. SYMBOL:
- FFU-1-X

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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)

IMPERIAL UNITS (INCHES)

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<tr>
<th>UNIT 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>
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<tr>
<td>2x4</td>
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SI UNITS (mm)

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<th>UNIT SIZE</th>
<th>W</th>
<th>L</th>
<th>H</th>
<th>N</th>
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VOLTAGE:
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- 208V
- 240V
- 277V

PLENUM FINISH:
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- B12 - STANDARD WHITE

FILTER:
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OPTIONS:
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PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:

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