Fan Filter Unit
Roomside Removable Filter, Forward Curved Wheel, EC Motor

Imperial Units (Inches)

<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>
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<tbody>
<tr>
<td>2x4</td>
<td>23.625</td>
<td>47.625</td>
<td>12.750</td>
<td>20</td>
<td>000</td>
<td>5.3</td>
<td>4.9/2/9.2.5</td>
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<tr>
<td>2x3</td>
<td>23.625</td>
<td>35.625</td>
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<td>3.8</td>
<td>4.8/2/1.2.0</td>
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<td>2x2</td>
<td>23.625</td>
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SI Units (mm)

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<td>406</td>
<td>0.21</td>
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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)
- 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)
- 3/8" NPT roomside aerosol injection port

Filter and motor status lights:
- Constant flow
- Constant torque

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

NOTE: For ducted applications, refer to FFU Service and Installation manual for balancing procedure.
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 PLENUM (250 LBS)
- STATIC PRESSURE AND AEROSOL SAMPLE PORT
- LAY IN CEILING INSTALLATION ONLY. FOR SURFACE MOUNT INSTALLATION ORDER SEPARATE HGMF FRAME.
- SEE HGMF SUBMITTAL (271137)
- 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
- 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
- STAINLESS STEEL - 2B PLENUM & STAINLESS STEEL - #4 KNIFE EDGE (OPTIONAL FINISH AVAILABLE)

FACE FINISH:
- WASHED MILL ALUMINUM
- B12 - STANDARD WHITE
- B12 - STANDARD WHITE
- #4 STAINLESS STEEL (OPTIONAL FINISH AVAILABLE)

FILTER AND MOTOR STATUS LIGHTS:
- TRI-COLOR FACE MOUNTED LED FILTER AND MOTOR STATUS LIGHT (AVAILABLE w/BACnet FLOW CONTROLLER ONLY)

SEISMIC:
- OSPD SPECIAL SEISMIC CERTIFICATION
- PREAPPROVAL: OSP-0302-10
- SEISMIC HANGER BRACKETS
- SPECIAL MOUNTING REQUIRED
- SEE 266852 FOR DETAILS

IMPERIAL UNITS (INCHES)

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FILTER:
- HEPA, 99.99% @ 0.30 MICRON, IEST RP CC001.5 TYPE G
- 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)
- 10" ROUND INLET DUCT COLLAR
- 12" ROUND INLET DUCT COLLAR
- 14" ROUND INLET DUCT COLLAR
- MERV 8 PRE-FILTER WITH SIDE ACCESS HOUSING (DUCTED UNITS ONLY)
- WASHABLE PRE-FILTER WITH SIDE ACCESS HOUSING (DUCTED UNITS ONLY)
- 3/8" NPT ROOMSIDE AEROSOL INJECTION PORT


PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:

MAR 2020 265797
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 (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)

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)
- 3/8" NPT 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
- Seismic hanger brackets and special mounting required (see 266852 for details)

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)

PROJECT:

ENGINEER:

CUSTOMER:

SUBMITTAL DATE: SPEC. SYMBOL:

AUG 2020 FFU-1-X
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 HGMF FRAME.
SEE HGMF SUBMITTAL (271137)
- 20"x20" RECTANGULAR 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:
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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
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- MERV 8 PRE-FILTER WITH SIDE ACCESS HOUSING (DUCTED UNITS ONLY)
- WASHABLE PRE-FILTER WITH SIDE ACCESS HOUSING (DUCTED UNITS ONLY)
- 3/8" NPT 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
- SEISMIC HANGER BRACKETS AND SPECIAL MOUNTING REQUIRED (SEE 266852 FOR DETAILS)