Filter Can Be Flowed In Either Direction (Omniflow)

3/8" NPTF (2x)

SECTION A-A

Mounts At Any Angle (Omniflow)

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>Material</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1601-0019-500</td>
<td>Housing</td>
<td>PP - Total 3270 [white]</td>
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<tr>
<td>2</td>
<td>1601-0013-501</td>
<td>End Cap Comp</td>
<td>Various, See End Cap Comp Drawing</td>
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<td>PP Cross Pleat</td>
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<td>4</td>
<td>1601-0027-500</td>
<td>Nonwoven</td>
<td>PP Meltblown</td>
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<tr>
<td>5</td>
<td>1604-0031-500</td>
<td>Ion Exchange Resin</td>
<td>DVB Gelular Resin</td>
<td>80 g</td>
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<tr>
<td>6</td>
<td>1601-0032-500</td>
<td>Label</td>
<td>2M Clear PETG-LV</td>
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</tbody>
</table>

SECTION B-B

SCALE 2 : 1

GENERAL NOTES:

PICTORIAL REPRESENTATION ONLY. FOR DIMENSIONAL GEOMETRY AND ADDITIONAL REQUIREMENTS, SEE MATH DATA.

PARTS MUST BE FREE OF BURRS, TOOL MARKS OR FLASHING WHICH MAY BE DETRIMENTAL TO SATISFACTORY ASSEMBLY, SAFE HANDLING, APPEARANCE OR FUNCTIONS.

DRAFT ACCORDING TO 3D MODEL OR 0.5°

OPERATING PARAMETERS:
MAX OPERATING TEMPERATURE: 90 °C
MAX OPERATING PRESSURE: 2.0 BAR
CONDUCTIVITY: <5 µS/cm
SERVICE LIFE: DEPENDENT ON APPLICATION
EXCHANGE CAPACITY: 200 MEQ MINIMUM

TESTING REQUIREMENTS:
LEAK TEST: 100% TEST @ 50 PSI <= 10CCM
LEAK ALLOWED.

STATIC BURST: > 5 BAR AT AMBIENT, BURST WITH WATER, INCREASE AT 0.5 BAR/SEC

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INNOVATION TO MARKET
Filter Can Be Flowed In Either Direction (Omniflow)

3/8" NPTF (2x)

SECTION A-A

SECTION B-B

SCALE: 2 : 1

Filter Can Be Flowed In Either Direction (Omniflow)

3/8" NPTF (2x)

1 1601-0020-S00 Housing PP - Total 3270 (white) 1
2 1601-0013-S01 End Cap Comp Various, See End Cap Comp Drawing 2
3 1601-0024-S00 Nonwoven PP Cross Pleat 1
4 1601-0028-S00 Nonwoven PP Meltblown 1
5 1604-0031-S00 Ion Exchange Resin DVB Gelular Resin 135 g
6 1601-0033-S00 Label 2M Clear PETG-LV 1

GENERAL NOTES:

PICTORIAL REPRESENTATION ONLY. FOR DIMENSIONAL GEOMETRY AND ADDITIONAL REQUIREMENTS, SEE MATH DATA.

PARTS MUST BE FREE OF BURRS, TOOL MARKS OR FLASHING WHICH MAY BE DETRIMENTAL TO SATISFACTORY ASSEMBLY, SAFE HANDLING, APPEARANCE OR FUNCTIONS.

DRAFT ACCORDING TO 3D MODEL OR 0.5"

OPERATING PARAMETERS:
MAX OPERATING TEMPERATURE: 90 °C
MAX OPERATING PRESSURE: 2.0 BAR
CONDUCTIVITY: <5 µS/cm
SERVICE LIFE: DEPENDENT ON APPLICATION
EXCHANGE CAPACITY: 330 MEQ MINIMUM

TESTING REQUIREMENTS:
LEAK TEST: 100% TEST @ 30 PSI <= 100 CCM LEAK ALLOWED.
STATIC BURST: > 5 BAR AT AMBIENT, BURST WITH WATER, INCREASE AT 0.5 BAR/SEC

CAD System: Solidworks16
Measurements in Millimeters

Innovation to Market
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PROPRIETARY AND CONFIDENTIAL

DATE: 12-1-16

SHEET 1 OF 1

INNOVATION TO MARKET
### Items and Details

**Title:** Filter Comp, Omniflow i6-3

**Drawing No.:** 1601-0011-S01

**Material:** PP - Total 3270 (white)

**Weight:** 425 g

**Scale:** 2:3

**Weight:** 425 g

**Sheet:** 1 of 1

**Operating Parameters:**
- **Max Operating Temperature:** 90 °C
- **Max Operating Pressure:** 2.0 bar
- **Conductivity:** <5 µS/cm
- **Service Life:** Dependent on Application
- **Exchange Capacity:** 400 MEQ Minimum

**Testing Requirements:**
- **Leak Test:** 100% Test @ 30 PSI <= 100 CCM
- **Leak Allowed.**
- **Static Burst:** > 5 bar at ambient, burst with water, increase at 0.5 bar/sec

**Drawing Notes:**
- Pictorial representation only. For dimensional geometry and additional requirements, see Math Data.
- Parts must be free of burrs, tool marks or flashing which may be detrimental to satisfactory assembly, safe handling, appearance or functions.
- Draft according to 3D Model or 0.5°

<table>
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<th>Part Number</th>
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<th>Material</th>
<th>QTY.</th>
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<tbody>
<tr>
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<td>1601-0021-S00</td>
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<td>PP - Total 3270 (white)</td>
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<td>PP Cross Pleat</td>
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<td>1601-0029-S00</td>
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**Revision Details:**

- **Zone:**
- **Rev.:**
- **Description:**
- **Date:**
- **Approved:**

**Innovation to Market:**

- **i2-m.com**

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Filter Can Be Flowed In Either Direction (Omniflow)

1/2" NPTF (2x)

SECTION A-A

Mounts At Any Angle (Omniflow)

### ITEM NO. | PART NUMBER | DESCRIPTION | Material | QTY.
--- | --- | --- | --- | ---
1 | 1601-0022-S00 | Housing | PP - Total 3270 (white) | 1
2 | 1601-0014-S01 | End Cap Comp | Various, See End Cap Comp Drawing | 2
3 | 1601-0026-S00 | Nonwoven | PP Cross Pleat | 1
4 | 1601-0030-S00 | Nonwoven | PP Meltblown | 1
5 | 1604-0031-S00 | Ion Exchange Resin | DVB Gelular Resin | 340 g
6 | 1601-0035-S00 | Label | 2M Clear PETG-LV | 1

### GENERAL NOTES:
- PICTORIAL REPRESENTATION ONLY. FOR DIMENSIONAL GEOMETRY AND ADDITIONAL REQUIREMENTS, SEE MATH DATA.
- PARTS MUST BE FREE OF BURRS, TOOL MARKS OR FLASHING WHICH MAY BE DETRIMENTAL TO SATISFACTORY ASSEMBLY, SAFE HANDLING, APPEARANCE OR FUNCTIONS.
- DRAFT ACCORDING TO 3D MODEL OR 0.5° DIFFERENCE.
- OPERATING PARAMETERS:
  - MAX OPERATING TEMPERATURE: 90 °C
  - MAX OPERATING PRESSURE: 2.0 BAR
  - CONDUCTIVITY: <5 µS/cm
  - SERVICE LIFE: DEPENDENT ON APPLICATION
  - EXCHANGE CAPACITY: 820 MEQ MINIMUM

### TESTING REQUIREMENTS:
- LEAK TEST: 100% TEST @ 30 PSI <= 10CCM
- LEAK ALLOWED.
- STATIC BURST: > 5 BAR AT AMBIENT, BURST WITH WATER, INCREASE AT 0.5 BAR/SEC

### CAD System: Solidworks16 (Measurements in Millimeters)

---

**Title:** Filter Comp. Omniflow i10-3

**Drawing No.:** 1601-0012-501 Filter Comp

**Material:** SEE BOM

**Scale:** 2:3

**Weight:** 680 g

**Sheet:** 1 OF 1

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**Innovation to Market:** 1-2-m.com

**Revisions:**

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**Drawn:** Pierce B. 5/9/2016

**Checked:** 1-12-17

**Checked:** 1-12-17

**Drawn:** Pierce B. 5/9/2016

**Approved:** 1-12-17

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