Large Flow Air Filter
AF800/900 Series

Flow Rate Characteristics (Representative Values)

**AF800**
- Port size: 1½
- Proof pressure: 1.5 MPa
- Maximum operating pressure: 1.0 MPa
- Ambient and fluid temperature: -5 to 60°C (No freezing)
- Filtration: Standard specifications: 5 µm Option: 2, 10, 20, 40, 70, 100 µm
- Bowl material: Polycarbonate
- Bowl capacity (cm³): 45 cm³
- Weight (kg): 3.15
- Accessory (Standard): Bowl guard

**AF900**
- Port size: 1¼
- Proof pressure: 1.5 MPa
- Maximum operating pressure: 1.0 MPa
- Ambient and fluid temperature: -5 to 60°C (No freezing)
- Filtration: Standard specifications: 5 µm Option: 2, 10, 40, 70, 100 µm
- Bowl material: Polycarbonate
- Bowl capacity (cm³): 45 cm³
- Weight (kg): 7.30
- Accessory (Standard): Bowl guard

How to Order

- Air Filter
- Body size
  - 8
  - 1½
  - 2
- Auto-drain specifications
  - 00
  - 10 Float type auto drain (N.O.)
  - 11 Float type auto drain (N.O.)
- Thread type
  - Nil
  - Rc
  - N
  - NPT
  - F
- Option
  - Nil
  - D Drain cock with barb fitting
  - J Drain guide
  - R Flow direction: Right to left
- Port size
  - 12
  - 1¼
  - 1½
  - 20
  - 2

Note 1) When specifying more than one number, indicate them in numerical order.

- 127-40

Note 2) When specifying more than one alphabet symbol, indicate them alphabetically and put “-” between them.

- D-R

Note 3) Options for “2”, “6”, and “8” can not be specified at the same time.

- Ex.) 88

Note 4) Symbols “9”, “D”, “J” can not be specified at the same time.

- (Ex.) 9-D-J

Note 5) For products with auto drain, either symbol “D” or “J” cannot be specified at the same time.

- *1 Indicate the required filtration rate after the symbol “1-”.
- *2 For float type auto drain (N.O.), nylon bowl is a standard specification. Selection of “6” is not necessary.
- *3 If indicating “7” only, the filtration rate is 5 µm. Optional filtration rate is required, indicate like 17-7.
- *4 The bowl of AL series is used.
- *5 Drain cock thread machining (½”) for products with metal bowl.
- *6 This symbol “G” indicates the port size.
**AF800/900 Series**

**Construction**

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**Component Parts**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Material</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>AF800</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Body</td>
<td>Aluminum die-casted</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Housing</td>
<td>Aluminum die-casted</td>
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<td></td>
<td></td>
<td>AF900</td>
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<tr>
<td></td>
<td></td>
<td>Aluminum casted</td>
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<tr>
<td></td>
<td></td>
<td>Platinum silver painted</td>
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**Dimensions**

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**Replacement Parts**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Material</th>
<th>Part no.</th>
<th>Qty.</th>
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<tbody>
<tr>
<td>2</td>
<td>Element</td>
<td>Bronze</td>
<td>11345-5B</td>
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<td></td>
<td>11345-5S</td>
<td>11345-5S</td>
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<td></td>
<td></td>
<td>Stainless steel</td>
<td>11352-5S</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Bowl assembly</td>
<td>—</td>
<td>C4SF</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>—</td>
<td>C4SF-2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>—</td>
<td>C4SF-6</td>
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<tr>
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<td></td>
<td>—</td>
<td>C4SF-8</td>
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<td></td>
<td></td>
<td>—</td>
<td>C4SF-X401</td>
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**O-ring**

<table>
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<th>Material</th>
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<tbody>
<tr>
<td>5</td>
<td>NBR K4078</td>
<td>630332</td>
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</tr>
<tr>
<td>7</td>
<td>NBR</td>
<td>113136</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Aluminum</td>
<td>11217</td>
<td>2</td>
</tr>
<tr>
<td>9</td>
<td>Aluminum casted</td>
<td>11344</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>NBR</td>
<td>C4SFP-260S</td>
<td>1</td>
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</table>

**Option**

- Metal bowl
- Metal bowl with level gauge
- Without drain cock
- Drain cock barb fitting
- Drain cock thread piping
- With drain guide

**Option/Dimensions**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>N.O</th>
<th>N.C</th>
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<tbody>
<tr>
<td>AF800</td>
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<td>408</td>
<td>33</td>
<td>140</td>
<td>448</td>
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<td>AF900</td>
<td>200</td>
<td>488</td>
<td>46</td>
<td>170</td>
<td>528</td>
<td>528</td>
<td>210</td>
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**Precautions**

Be sure to read this before handling the products.
Refer to back page 50 for Safety Instructions and pages 387 to 391 for F.R.L. Precautions.