AIR FILTER SERIES AF

- Port Size M5 - 1” Rc
- Autodrain available
- New super efficient 5µm Poly-element
- Quick release bowl guard on some sizes
- High flow

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>AF1000</th>
<th>AF2000</th>
<th>AF3000</th>
<th>AF4000</th>
<th>AF5000</th>
<th>AF6000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port size</td>
<td>M5 x 0.8</td>
<td>1/8”</td>
<td>1/4”</td>
<td>3/8”</td>
<td>1/2”</td>
<td>3/4”</td>
</tr>
<tr>
<td>Flow rate l/min*</td>
<td>140</td>
<td>1050</td>
<td>2800</td>
<td>5000</td>
<td>7000</td>
<td>8000</td>
</tr>
<tr>
<td>Max. supply pressure Bar</td>
<td>15</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Max. operating pressure Bar</td>
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</tr>
<tr>
<td>Ambient and media temperature</td>
<td>5 ~ 60°C</td>
<td></td>
<td></td>
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<tr>
<td>Filtration</td>
<td>Standard: 5µm</td>
<td></td>
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<tr>
<td>Bowl material</td>
<td>Polycarbonate</td>
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<tr>
<td>Bowl capacity cm³</td>
<td>4</td>
<td>15</td>
<td>20</td>
<td>45</td>
<td>130</td>
<td>130</td>
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<tr>
<td>Min. operating condition for autodrain type</td>
<td>Min. Flow 100 l/min</td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

* 7 bar supply, Pressure drop ΔP = 0.5 bar
* Flow data is for new Poly-Element

ACCESSORIES

Air Filter
- Poly Filter: Sintered Bronze
- Applicable Element Filter: Element 5µm Filter Series
- Note: Sintered bronze and Poly-elements are not interchangable

Bracket
- B240: AF2000
- B340: AF3000
- B440: AF4000
- B640: AF5000/6000

STOCKED PRODUCTS

For a list of Stocked Products, please see the current SMC Price List

SYMBOLS

B: Type

With Auto Drain

AF1000: 25 66 7 25 - - - - 26.5 86.5 Differential pressure
AF2000: 40 97.5 11 40 17 30 27 27 1.4 8.4 40 2.3 40 120.5 Differential pressure
AF3000: 53 132.5 14 53 41 40 23 8.5 8 53 2.3 36 158 Float
AF4000: 70 168.5 18 70 17 50 54 26 8.5 10.5 70 2.3 73 194 Float
AF5000: 90 247.5 24 90 23 70 66 35 11 13 90 3.2 90 273 Float
AF6000: 95 261.5 24 95 23 70 66 35 11 13 90 3.2 95 287 Float
### Technical Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>AR1000</th>
<th>AR2000</th>
<th>AR2500</th>
<th>AR3000</th>
<th>AR4000</th>
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<th>AR6000</th>
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<td>M5x0.8</td>
<td>M5x0.8</td>
<td>M5x0.8</td>
<td>M5x0.8</td>
<td>M5x0.8</td>
<td>M5x0.8</td>
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<td>Flow rate l/min*</td>
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<td>2000</td>
<td>2500</td>
<td>6000</td>
<td>8000</td>
<td>10000</td>
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<td>Max. operating pressure Bar</td>
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<td></td>
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<tr>
<td>Pressure regulating range Bar</td>
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<tr>
<td>Optional low pressure regulator range Bar</td>
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<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td></td>
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</tr>
<tr>
<td>Ambient and media temperature</td>
<td>5 – 60°C</td>
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<td>Construction</td>
<td>Relieving type</td>
<td></td>
<td></td>
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</tbody>
</table>

* *7 bar supply, pressure = 5 bar, Pressure drop ∆P = 1 bar

### How To Order

#### Pressure Regulator

**Model**

<table>
<thead>
<tr>
<th>Body Size</th>
<th>AR1000</th>
<th>AR2000</th>
<th>AR2500</th>
<th>AR3000</th>
<th>AR4000</th>
<th>AR5000</th>
<th>AR6000</th>
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<tr>
<td>10</td>
<td>M5</td>
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<td></td>
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</tr>
<tr>
<td>20</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>25</td>
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<td>40</td>
<td>1⁄2</td>
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<tr>
<td>50</td>
<td>3⁄4</td>
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<td>60</td>
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</tbody>
</table>

**Pressure Regulator Symbols**

- Relieving type
- Check valve type

* *With check valve not available with this option. Standard on AR1000

### Stocked Products

For a list of Stocked Products, please see the current SMC Price List

### Pressure Gauges

See Pressure Gauges Page

---

**FOR FURTHER TECHNICAL DETAILS ON THIS PRODUCT REQUEST CATALOGUE REFERENCE ESG**
LUBRICATOR SERIES AL

- Port Size M5 - 1”Rc
- Precise adjustment
- Uniform lubrication even at extremely low flow rates
- Over 97% of atomised oil particles <10 microns
- Quick release bowl guard on some sizes

**Model**

- **AL1000**
- **AL2000**
- **AL3000**
- **AL4000**
- **AL5000**
- **AL6000**

**Port size**

- M5 x 0.8
- 1/8
- 1/4
- 3/8
- 1/2
- 3/4
- 1

**Flow Rate l/min**

- AL1000: 25
- AL2000: 40
- AL3000: 53
- AL4000: 70
- AL5000: 90
- AL6000: 95

**Max. supply pressure Bar**

- 15

**Max. operating pressure Bar**

- 9.9

**Min. supply flow l/min**

- AL1000: 5
- AL2000: 10
- AL3000: 15
- AL4000: 20
- AL5000: 25
- AL6000: 30

**Bowl capacity cm³**

- AL1000: 7
- AL2000: 25
- AL3000: 50
- AL4000: 100
- AL5000: 200
- AL6000: 250

**Recommended oil**

- ISO VG32

**Ambient and media temperature**

- 5 ~ 60 °C

**Bowl material**

- Polycarbonate

**Accessories (standard)**

- Bowl guard

**Dimensions**

- AL1000 • AL2000
- AL3000 • AL4000
- AL5000 • AL6000

**Technical Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>P</th>
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<tr>
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<td>25</td>
<td>-</td>
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<td>-</td>
<td>-</td>
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<td>95</td>
<td>70</td>
<td>66</td>
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<td>90</td>
<td>3.2</td>
<td>95</td>
</tr>
</tbody>
</table>

FOR FURTHER TECHNICAL DETAILS ON THIS PRODUCT REQUEST CATALOGUE REFERENCE E5G
FILTER REGULATOR SERIES AW

Port Size M5 – 1/4” Rc
Differential or float type autodrain
Quick release bowl guard on some sizes
High flow
5µm filter element
Built in gauge available

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>AW1000</th>
<th>AW2000</th>
<th>AW2001</th>
<th>AW3000</th>
<th>AW3001</th>
<th>AW4000</th>
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</thead>
<tbody>
<tr>
<td>Port size</td>
<td>M5x0.8</td>
<td>1/8</td>
<td>1/4</td>
<td>1/8</td>
<td>1/4</td>
<td>1/4</td>
</tr>
<tr>
<td>Flow rate m/min*</td>
<td>100</td>
<td>150</td>
<td>150</td>
<td>2000</td>
<td>2000</td>
<td>4000</td>
</tr>
<tr>
<td>Max. supply pressure Bar</td>
<td>15</td>
<td>15</td>
<td></td>
<td></td>
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<tr>
<td>Max. operating pressure Bar</td>
<td>10</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressure regulating range Bar</td>
<td>0.5 – 7</td>
<td>0.5 – 6.5</td>
<td>0.5 – 8.5</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Port size for pressure gauge</td>
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<td>1/8</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Ambient and media temperature</td>
<td>5 – 60°C</td>
<td>5 – 60°C</td>
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<tr>
<td>Filtration</td>
<td>Standard: 5µm</td>
<td>Standard: 5µm</td>
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<tr>
<td>Bowl Capacity cm³</td>
<td>4</td>
<td>15</td>
<td>15</td>
<td>20</td>
<td>20</td>
<td>45</td>
</tr>
<tr>
<td>Bowl material</td>
<td>Polycarbonate</td>
<td>Polycarbonate</td>
<td></td>
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</tr>
<tr>
<td>Construction/regulator</td>
<td>Relieving type</td>
<td>Relieving type</td>
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<tr>
<td>Accessory(standard)</td>
<td>Bowl guard</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
</tbody>
</table>

* 7 bar supply, 5 bar static set pressure, 1 bar pressure drop

**ACCESSORIES**

Filter Element 5µm
11134-5WAW1000
11394-5WAW2000
113111-5BAW2000
11140-5WAW3000
11173-5BAW4000
11194-5BAW5000
11274-5BAW6000
Bracket
B120AW1000
B220AW2000
B320AW3000
B420AW4000

**STOCKED PRODUCTS**

For a list of Stocked Products, please see the current SMC Price List

**HOW TO ORDER**

Filter Regulator

**BODY SIZE**

10 ... M5
20 ... 1/8
30 ... 1/4
40 ... 3/8

0 ... Standard
1 ... With built in gauge
2 ... With built in gauge for right to left flow
(1 & 2 available for body sizes 20-40 only)

**PORT SIZE**

M5 ... M5
01 ... 1/8
02 ... 1/4
03 ... 3/8
04 ... 1/2
06 ... 3/4

**AUTODRAIN**

Nil ... Without
D ... With
Nil ... For AW**01 type
G ... Gauge for AW**00 type

**STOCKED PRODUCTS**

For a list of Stocked Products, please see the current SMC Price List

**DIMENSIONS**

See inside front cover for details of your local sales office
**Air Preparation**

**Modular Type**

### Dimensions

#### AW1000•2000

- Panel cut hole
- With Auto Drain (Differential pressure type)

#### AW3000•4000

- Panel cut hole
- With Auto Drain (Float type)

### Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>ØN</th>
<th>P</th>
<th>Type</th>
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<td>52.5</td>
<td>73</td>
<td>268</td>
<td>Float</td>
</tr>
</tbody>
</table>

#### Dimensions

#### AW2001

- Minimum space required for maintenance
- With Auto Drain (Differential pressure type)

#### AW3001 - 4001

- Minimum space required for maintenance
- With Auto Drain (Float type)

<table>
<thead>
<tr>
<th>MODEL</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>ØN</th>
<th>P</th>
<th>Type</th>
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<tbody>
<tr>
<td>AW2001</td>
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<td>164.5</td>
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<td>2.3</td>
<td>52.5</td>
<td>73</td>
<td>268</td>
<td>Float</td>
</tr>
</tbody>
</table>
MIST SEPARATOR SERIES AFM

- Port Size 1/8 - 3/4" Rc
- Removes more than 99.9% of oil mist
- 0.3µm filter element
- Quick release metal bowl guard on some sizes
- Automatic or manual drain

Mist Separators are also available in larger port sizes - see:
Filters: High Efficiency
FOR FURTHER TECHNICAL DETAILS ON THIS PRODUCT REQUEST CATALOGUE REFERENCE E5G

**AIR PREPARATION MODULAR TYPE**

**MICRO-MIST SEPARATOR SERIES AFD**

- Port Size 1/8 - 3/4" Rc
- Removes more than 99.9999% of oil mist
- 0.01µm filter element
- Quick release metal bowl guard on some sizes
- Automatic or manual drain

Micro-Mist Separators are also available in larger port sizes - see: Filters: High Efficiency

---

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>AFD2000</th>
<th>AFD3000</th>
<th>AFD4000</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>Flow rate</td>
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<tr>
<td>Max. supply pressure</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Max. operating pressure</td>
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<td></td>
<td></td>
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<tr>
<td>Min. operating pressure</td>
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<tr>
<td>Bowl material</td>
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</tr>
<tr>
<td>Accessory</td>
<td>Bowl guard</td>
<td>-</td>
<td>•</td>
</tr>
</tbody>
</table>

7 bar supply, 0.1 bar pressure drop (new)

---

**HOW TO ORDER**

**MYSTER SEPARATOR**

**BODY SIZE**

- Nil .... Without D .... With
- Port Size
  - M5 ... M6
  - 01 ... 1/8
  - 02 ... 3/8
  - 03 ... 1/2
  - 04 ... 3/4

**STOCKED PRODUCTS**

FOR A LIST OF STOCKED PRODUCTS, PLEASE SEE THE CURRENT SMC PRICE LIST

---

**ACCESSORIES**

**MIST SEPARATOR**

Filter Element
- 63092 .................................. AFD2000
- 63093 .................................. AFD3000
- 63094 .................................. AFD4000

Filter Elements should be changed after 1 year or when a pressure drop of 1 Bar is reached.

Bracket
- B240 ...................................... AFD2000
- B340 ...................................... AFD3000
- B440 ...................................... AFD4000
- B540 ...................................... AFD4000-06

**STOCKED PRODUCTS**

FOR A LIST OF STOCKED PRODUCTS, PLEASE SEE THE CURRENT SMC PRICE LIST

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**DIMENSIONS**

**MIST SEPARATOR AFD2000**

**DIMENSIONS**

**MIST SEPARATOR AFD3000-4000**

---

**TABLE**

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<tr>
<th>Model</th>
<th>Port size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
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**FOR FURTHER TECHNICAL DETAILS ON THIS PRODUCT REQUEST CATALOGUE REFERENCE E5G**