SAMH250~850 Series

- SAMH series are the combination of the usual AM series (0.3μm) and AMD series (0.01μm). SAMH series enable high precision filtration therefore SAMH series are compatible to air micro measuring instrument and drying and cleanliness of precision parts.

How to order

SAMH 350-04 BD Me

1. Free Filter Micro Mist Separator
2. Body Size
   - 250 - 1/4
   - 350 - 1/2
   - 450 - 3/4
   - 550 - 1
   - 650 - 1 1/2
   - 850 - 2
3. Port Size
   - 02 - Rc(Pt) 1/4
   - 03 - Rc(Pt) 3/8
   - 04 - Rc(Pt) 1/2
   - 06 - Rc(Pt) 3/4
   - 10 - Rc(Pt) 1
   - 14 - Rc(Pt) 1 1/2
   - 20 - Rc(Pt) 2
4. Accessory (Optional)
   - M - Manual Drain
   - B - Bracket
   - D - Auto Drain
5. Option
   - N - PC Bowl
   - M - PC Bowl

Symbol

Specification

<table>
<thead>
<tr>
<th>Fluid</th>
<th>Compressed air</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. operating pressure</td>
<td>1.0MPa [10.2 kgf/cm²]</td>
</tr>
<tr>
<td>Min. operating pressure</td>
<td>0.05MPa [0.5 kgf/cm²]</td>
</tr>
<tr>
<td>Max. supply pressure</td>
<td>1.5MPa [15.3 kgf/cm²]</td>
</tr>
<tr>
<td>Ambient and media temperature</td>
<td>5 ~ 60°C</td>
</tr>
<tr>
<td>Filtration</td>
<td>0.01μm(95% possible filtration particle)</td>
</tr>
<tr>
<td>Secondary oil mist concentration</td>
<td>Max 0.1mg/l</td>
</tr>
<tr>
<td>Filter material</td>
<td>Glass fiber</td>
</tr>
<tr>
<td>Filter material</td>
<td>When pressure drop reaches at 0.1MPa[1 kgf/cm²]</td>
</tr>
</tbody>
</table>

Precautions

1. Filter element should be changed after 2 years of using or when pressure drops to 1.0kgf/cm².
2. When auto drain is used:
   - Drain piping should be both 4mm or greater in diameter and less than 1m in length.
   - Also should avoid setting drain piping upwards.
3. When auto drain is out of order, it is possible to drain manually by operating one-touch-fitting vertically.
4. With a drain cock attached, drain can be done when the head of liquid is shown at the glass indication tube.
### STRUCTURE / PARTS

#### SAMH 250

1. Body (ALDC)
2. Packing (NBR)
3. Element (Glass fiber)
4. Cover (ALDC)
5. Bowl (PC)

#### SAMH 350 - 450 - 550

1. IN
2. OUT

#### SAMH 650

1. Body (ALDC)
2. Packing (NBR)
3. U-Cover (ALDC)
4. Pipe (AL)
5. Element (Glass fiber)
6. L-Cover (ALDC)
7. Bowl (PC)

#### SAMH 850

1. IN
2. OUT

<table>
<thead>
<tr>
<th>No.</th>
<th>PARTS</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>ALDC</td>
</tr>
<tr>
<td>2</td>
<td>Packing</td>
<td>NBR</td>
</tr>
<tr>
<td>3</td>
<td>Element</td>
<td>Glass fiber</td>
</tr>
<tr>
<td>4</td>
<td>Cover</td>
<td>ALDC</td>
</tr>
<tr>
<td>5</td>
<td>Bowl</td>
<td>PC</td>
</tr>
<tr>
<td>6</td>
<td>Body</td>
<td>ALDC</td>
</tr>
<tr>
<td>7</td>
<td>Packing</td>
<td>NBR</td>
</tr>
<tr>
<td>8</td>
<td>U-Cover</td>
<td>ALDC</td>
</tr>
<tr>
<td>9</td>
<td>Pipe</td>
<td>AL</td>
</tr>
<tr>
<td>10</td>
<td>Element</td>
<td>Glass fiber</td>
</tr>
<tr>
<td>11</td>
<td>L-Cover</td>
<td>ALDC</td>
</tr>
<tr>
<td>12</td>
<td>Bowl</td>
<td>PC</td>
</tr>
</tbody>
</table>
SAMH Series

**DIMENSIONS (mm)**

**SAMH 250**

[Diagram of SAMH 250 with dimensions]

With float type auto drain

**SAMH 350**

[Diagram of SAMH 350 with dimensions]

With float type auto drain
SAMH Series

**DIMENSIONS (mm)**

**SAMH 450**

- 106
- 90
- Bracket (option)
- IN
- OUT
- 283
- 55
- 25

**SAMH 550**

- 122
- 100
- Bracket (option)
- IN
- OUT
- 320
- 65
- 30

With float type auto drain

With float type auto drain
**SAMH Series**

**DIMENSIONS (mm)**

**SAMH 650**

With float type auto drain

**SAMH 850**

With float type auto drain
SAMH Series

DIMENSIONS (mm) - Metal Bowl

**SAMH 250-Me**

With float type auto drain

**SAMH 350-Me**

With float type auto drain
SAMH Series

DIMENSIONS (mm) – Metal Bowl

SAMH 450–Me

SAMH 550–Me

With float type auto drain
SAMH Series

DIMENSIONS (mm) - Metal Bowl

**SAMH 650-Me**

- Bracket (option)
- IN
- OUT
- Dimensions: 180 x 150 x 388 x 404

**SAMH 850-Me**

- Bracket (option)
- IN
- OUT
- Dimensions: 180 x 150 x 508 x 515

With float type auto drain