Filter regulator (AW)

SAW2000M~6000M Series

- SAW series are compact type assemblies of a filter and a regulator.

How to order

SAW 3000M-03 BDG-Me

1. Filter regulator
2. Body Size
   - 20 - 1/4
   - 30 - 3/8
   - 40 - 1/2
   - 60 - 1
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 "
4. Accessory (Optional)
   - N: Manual Drain
   - B: Bracket
   - D: Auto Drain
   - G: Gauge
5. Option
   - N: PC Bowl
   - Me: Metal Bowl

Symbol

Specification

- Max. supply pressure: 1.5MPa [15.3 kgf/cm²]
- Max. operating pressure: 0.97MPa [9.9 kgf/cm²]
- Regulating range: 50~850kPa [0.5~8.7 kgf/cm²]
- Ambient and media temperature: 5 ~ 60°C
- Filtration: Standard:10um, Option:2, 5, 20, 40
- Bowl material: Poly-carbonate · Metal
- Construction: Relief type

Precautions

1. Poly-carbonate bowls may be damaged and highly possible to fail if exposed to synthetic oils, thinner solvents, trichloroethylene, kerosene, chloroform, cyclohexane or other aromatic hydrocarbons and such environment exposed chemicals such as above.
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.
**SAW Series**

### STRUCTURE / PARTS

#### SAW 2000M

1. Cover
2. Piston
3. Check valve
4. Buffer
5. Element
6. Handle
7. Spring
8. Body
9. Bowl
10. Drain part

<table>
<thead>
<tr>
<th>No.</th>
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<tbody>
<tr>
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<td>Cover</td>
<td>N65G</td>
</tr>
<tr>
<td>2</td>
<td>Piston</td>
<td>N65G</td>
</tr>
<tr>
<td>3</td>
<td>Check valve</td>
<td>NBR</td>
</tr>
<tr>
<td>4</td>
<td>Buffer</td>
<td>ABS</td>
</tr>
<tr>
<td>5</td>
<td>Element</td>
<td>Porous plastics</td>
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<tr>
<td>6</td>
<td>Handle</td>
<td>N65G</td>
</tr>
<tr>
<td>7</td>
<td>Spring</td>
<td>SWP</td>
</tr>
<tr>
<td>8</td>
<td>Body</td>
<td>ZnDC</td>
</tr>
<tr>
<td>9</td>
<td>Bowl</td>
<td>PC</td>
</tr>
<tr>
<td>10</td>
<td>Drain part</td>
<td></td>
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#### SAW 3000M

1. Cover
2. Diaphragm
3. Buffer
4. Check valve
5. Element
6. Handle
7. Spring
8. Body
9. Bowl
10. Drain part

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SAW Series

**SAW 2000M**

With differential pressure type auto drain

**SAW 3000M**

With float type auto drain
SAW Series

DIMENSIONS (mm) – Metal Bowl

SAW 2000M–Me

IN

OUT

Gauge port size
PT 1/8

Port size
PT 1/4

182

176

38

41

25

27

4.5

71

38

With differential pressure type auto drain

SAW 3000M–Me

IN

OUT

Gauge port size
PT 1/8

Port size
PT 3/8

244

46

41

53

88

40

6.5

With float type auto drain
SAW Series

DIMENSIONS (mm) – Metal Bowl

**SAW 4000M–Me**

With float type auto drain

**SAW 6000M–Me**

With float type auto drain