OUTLINE

AC-T is a series of direct indication type variable area flow-meter with Teflon construction for liquid flow measurement. The flow rate is indicated by the float position. AC-T has pure mechanical and simple construction with easy handling and reliability. In addition to local flow indication, an alarm contact is additionally available for flow alarm function.

FEATURES

- All liquid contact parts consist of Teflon. The introduction of metallic ions is eliminated.
- The float is guided by Tube rib and float rod is not needed. This reduces production of particles during operation.
- High anti corrosive capability covers different chemicals.
- Easy disassembling and reassembling with Union construction.
- Simple and compact design for easy installation onto various devices.
- Alarm contact additionally available.

STANDARD SPECIFICATION

- Available size: 15mm(1/2") and 20mm (3/4")
- Measuring object: Water (Density 1.0g/cm³, Viscosity 1.0mPa·s)
- Scale range:
  1) 2 ~ 20L/min. [15mm(1/2") and 20mm (3/4")]
  2) 3 ~ 30L/min. [15mm(1/2") and 20mm (3/4")]
  3) 4 ~ 40L/min. [20mm (3/4")]
  4) 5 ~ 50L/min. [20mm (3/4")]
- Other ranges on request.
- Max.Op.Press.: 0.49MPa (At room temp.)
  Acceptable pressure lowers for higher liquid temp. (ex. 0.2MPa at 80°C)
  Consult factory for further details.
- Max.Temp.: 90°C (Max.Op.Press.: 0.15MPa)
- Process connection
  Standard: 15mm(1/2") or 20mm (3/4")
  Welding mount or Rc thread
  Option: Other connection fittings on request
- Flow direction: Bottom to Top
- Indication accuracy: ±3%F.S.
- Range ability: 10 : 1
- Material: Fluoric material construction
  (Refer to [STANDARD MATERIAL CONSTRUCTION] for details.)
- Alarm point: 1 point high or low additionally available
  Reed switch SPST
**MODEL CODE**

<table>
<thead>
<tr>
<th>AC-T</th>
<th>-</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15</td>
<td>15A (1/2B)</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>20A (3/4B)</td>
</tr>
</tbody>
</table>

**Scale range**

| 1 | 2~20L/min |
| 2 | 3~30L/min |
| 3 | 4~40L/min |
| 4 | 5~50L/min |
| 9 | Special   |

**Connection rating**

| 1 | Welding (KGF type) |
| 2 | Rc                  |
| 9 | Others              |

**Alarm contact**

| 0 | Not provided |
| 1 | Provided     |

* : 15mm and 20mm connection acceptable for all ranges. 20mm size is not acceptable for 20L/min. and 30L/min. range.

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**STANDARD MATERIAL CONSTRUCTION**

<table>
<thead>
<tr>
<th>Parts</th>
<th>Name</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>①</td>
<td>Socket</td>
<td>PVDF</td>
</tr>
<tr>
<td>②</td>
<td>Union nut</td>
<td>PVDF</td>
</tr>
<tr>
<td>③</td>
<td>Tapered tube (With Rib)</td>
<td>PFA</td>
</tr>
<tr>
<td>④</td>
<td>Float</td>
<td>PVDF *</td>
</tr>
<tr>
<td>⑤</td>
<td>Float stopper</td>
<td>PFA</td>
</tr>
<tr>
<td>⑥</td>
<td>O ring</td>
<td>FPM (Fluoric rubber)</td>
</tr>
<tr>
<td>⑦</td>
<td>Scale plate</td>
<td>Acryl</td>
</tr>
</tbody>
</table>

* : Weight made of 316SS inside

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**APPROX. WEIGHT**

400g

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**EXTREMAL DIMENSION**

**STANDARD MATERIAL CONSTRUCTION**

**ORDERING FORM**

Specify the following for order or inquiry;

Model  AC-T□□□□□□

For Alarm version

Alarm setting point  ____________ L/min

Special requirement, if any.  

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* Specification is subject to change without notice