The flow of cooling water can be checked at a glance.

Check the flow with the rotating two-colored impeller

Visibility
Fluid flow from low flow rate (2 L/min) can be visually checked with the rotating two-colored impeller.

Easy maintenance
Flow Vane ASSY can be replaced without removing it from the piping (both models).

Safety
The stopper prevents unintended removal of the plastic parts.

Easy installation
The installation and replacement is easy since the screw part of T2 side rotates freely to the left and right.

Applicable fluid *
Water

* This product cannot be used for gas. If oil is used, the durability may reduce depending on the compatibility of the oil or additive with the plastic part. Please use the FLOW MONITOR after thorough evaluation. This product is not “CUPLA”.

FLOW MONITOR
Model: FMC-30-4F
Size (Thread): Rc 1/2

FLOW MONITOR
Model: FMC-30-3F
Size (Thread): Rc 3/8

Replaceable Flow Vane type

Replaceable when dirty
Flow Vane ASSY (Plastic part)
Stopper
Inner sleeve
Remove
Replace
Rotates freely

T2 (Female Thread)
T1 (Female Thread)
### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>FMC-30-3F</th>
<th>FMC-30-4F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (Thread)</td>
<td>Rc 3/8</td>
<td>Rc 1/2</td>
</tr>
<tr>
<td>Body material</td>
<td>Brass</td>
<td></td>
</tr>
<tr>
<td>Flow Vane ASSY material</td>
<td>Polycarbonate</td>
<td></td>
</tr>
<tr>
<td>Impeller</td>
<td>Polypropylene</td>
<td></td>
</tr>
<tr>
<td>Inner sleeve, Stopper</td>
<td>Polyamide</td>
<td></td>
</tr>
<tr>
<td>Working pressure (\cdot)</td>
<td>1.0 MPa, 10 kgf/cm(^2), 10 bar, 145 PSI</td>
<td></td>
</tr>
<tr>
<td>Working flow range</td>
<td>2 to 20 L/min</td>
<td></td>
</tr>
<tr>
<td>Seal material (Mark)</td>
<td>Fluoro rubber (FKM)</td>
<td></td>
</tr>
<tr>
<td>Working temperature range (\cdot)</td>
<td>(+10^\circ\text{C to }+80^\circ\text{C})</td>
<td></td>
</tr>
<tr>
<td>Mass</td>
<td>167 g</td>
<td>256 g</td>
</tr>
</tbody>
</table>

### Maximum Tightening Torque

<table>
<thead>
<tr>
<th>Size (Thread)</th>
<th>Rc 3/8</th>
<th>Rc 1/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque</td>
<td>12 (122)</td>
<td>30 (306)</td>
</tr>
</tbody>
</table>

### Flow Rate – Pressure Loss Characteristics

- Fluid: Water
- Temperature: 23°C

### Models and Dimensions

- **FMC-30-3F**
  - Rc 3/8
  - Hex.23
  - (81)
  - Hex.21

- **FMC-30-4F**
  - Rc 1/2
  - Hex.29
  - (94)
  - Hex.29

### Flow Vane ASSY

- For low pressure, applicable fluid: Water

#### FLOW METER

For stable and accurate coolant flow rate.

CUPLA related product / Flow meter with special valve

Fluid must flow in the direction of the arrows.

*Plastic part (graduated tube) cannot be replaced. This product is not "CUPLA".

### Safety Guide

Read without fail and observe the "Instruction sheet" that comes with the product and the following pages in the Quick Connect Couplings General Catalog. [Precautions Relating to the Use of All CUPLA].

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