Clog-resistant Fine Fog Nozzles
Wide-angle Flat Spray

■ Wide-angle flat spray pneumatic nozzle producing fine atomization with a mean droplet diameter of 15–30 μm.*1
■ External mixing type (designed to mix air and liquid outside the nozzle for atomization).
■ Unique 2-step atomization mechanism enables a wide spray angle of 80°. Combines “clog-resistant” and “wide spray angle” features.
■ Compact, 22 mm-long design.
■ Capable of spraying viscous liquid up to approx. 300 cP.*2

*1) Droplet diameter measured by laser Doppler method
*2) Spray capacity and spray angle are reduced when viscous liquid is sprayed. Raising the liquid pressure to 0.2–0.3 MPa is recommended when spray capacity is small, otherwise the spray pattern becomes irregular.

APPLICATIONS
■ Spraying viscous liquid such as oil and honey

**PERFORMANCE DATA**

<table>
<thead>
<tr>
<th>Spray angle code</th>
<th>Air consumption code</th>
<th>Air pressure (MPa)</th>
<th>Air consumption (L/min, Normal)</th>
<th>Spray capacity (L/hr)</th>
<th>Spray width*4 (mm)</th>
<th>Mean droplet diameter (μm)</th>
<th>Free passage diameter*4 (mm)</th>
<th>Mass (g)</th>
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</thead>
<tbody>
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</table>

*3) Spray angle measured at compressed air pressure of 0.3 MPa and liquid pressure of 0.05 MPa.
*4) Spray width measured at 100 mm from nozzle.

**FLOW-RATE DIAGRAMS**

■ How to read the chart

1. The spray capacity shown is for one nozzle.
2. Figures at the foot of each line indicate liquid pressures Pw in MPa.
3. Figures in ovals ○ indicate Sauter mean diameters (μm) measured by laser Doppler method.

**HOW TO ORDER**

Please inquire or order using this product code.

M5F YYA 8004 S303