**Features**
- Small capacity hollow cone spray nozzle. Three-piece structure.
- Combines compact design and semi-fine atomization capability.
- The whirl chamber is formed by a ceramic orifice and whirler, which provides excellent wear-resistance.

**Standard pressure**
0.3 MPa

**Applications**
Cooling: Gas
Spraying: Chemicals, dust suppression

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**Features**
- Hollow cone spray nozzle with relatively fine atomization. Stable spray pattern at both low and high pressure.
- No-whirler design minimizes clogging.
- Spraying axis 90˚ from the axis of the nozzle inlet.

**Standard pressure**
0.2 MPa

**Applications**
Cleaning: Gas, air, machines, pre-painting treatment
Cooling: Gas, air handling unit, roofs, machineries, foods, warm water
Spraying: Aeration, humidification

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**Dimensions (mm)**

<table>
<thead>
<tr>
<th>Pipe conn. size</th>
<th>Mass</th>
<th>Spray angle (°)</th>
<th>Spray capacity (g/min)</th>
<th>Mean droplet diameter (μm)</th>
<th>Free passage diameter (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R1/4</td>
<td></td>
<td>0.15 MPa</td>
<td>0.3 MPa</td>
<td>0.7 MPa</td>
<td>0.1 MPa</td>
</tr>
<tr>
<td>0.15 MPa</td>
<td></td>
<td>0.25</td>
<td>0.30</td>
<td>0.36</td>
<td>0.44</td>
</tr>
<tr>
<td>0.2 MPa</td>
<td></td>
<td>1.18</td>
<td>1.45</td>
<td>1.22</td>
<td>1.18</td>
</tr>
<tr>
<td>0.3 MPa</td>
<td></td>
<td>0.57</td>
<td>0.57</td>
<td>0.86</td>
<td>1.01</td>
</tr>
<tr>
<td>0.5 MPa</td>
<td></td>
<td>0.30</td>
<td>0.30</td>
<td>0.68</td>
<td>1.18</td>
</tr>
<tr>
<td>0.7 MPa</td>
<td></td>
<td>0.30</td>
<td>0.30</td>
<td>1.01</td>
<td>1.18</td>
</tr>
<tr>
<td>1 MPa</td>
<td></td>
<td>0.25</td>
<td>0.25</td>
<td>0.72</td>
<td>1.18</td>
</tr>
<tr>
<td>1.5 MPa</td>
<td></td>
<td>0.25</td>
<td>0.25</td>
<td>0.72</td>
<td>1.18</td>
</tr>
<tr>
<td>2 MPa</td>
<td></td>
<td>0.25</td>
<td>0.25</td>
<td>0.72</td>
<td>1.18</td>
</tr>
</tbody>
</table>

*When with a strainer, add 2–5 g to the above mass and 2 mm to the total length.

[Note] Appearance and dimensions may differ slightly depending on materials and nozzle codes.

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**How to order**

Please inquire or order for a specific nozzle using this coding system.

1. **Complete assemblies**
   - (Example) 1/4M KD 03 S303W
   - 1/4M KD 03 S303 W
   - Spray capacity code: 03, 1, 394
   - Material: S303, B, S316
   - Strainer: Blank denotes "without strainer"

2. **Nozzle tip only**
   - (Example) 1/4 KD 03 S303
   - 1/4 KD 03 S303
   - Spray capacity code: 03, 1, 394
   - Material: S303, B

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**Spray pattern**

**Spray distribution**