Atomizing Water Spray Nozzles Types M & MW

**Application**

Mini nozzle type M features our unique perfect solution where small size, accurate flow rates, very fine atomization and low cost are desired. Mini Wide nozzle type MW designates “wide angle” and provides a very fine atomization in low volume flow rates with a wide spray angle and large coverage area.

Hago Mini nozzles are widely used in both professional and home green houses for plant and seedling misting, in industry for process cooling or humidifying and in agriculture for livestock cooling. In recent years they have been used in dry climates for home patio cooling.

**Application and Features**
- Misting, cooling, humidifying
- Spraying light oils

**Availability**
- M: 80° spray angle at 100psi (~ 7 bar) water
- MW: 160° spray angle at 100psi (~ 7 bar) water
- Spray pattern: Semi solid cone
- Available in a 12 piece box single packed or a 50 piece blister pack.

**Identification**

The nozzles are marked with the following information:

<table>
<thead>
<tr>
<th>Stamped on the flats</th>
<th>Spray Angle</th>
<th>MW = Mini Wide</th>
</tr>
</thead>
<tbody>
<tr>
<td>MW</td>
<td>5</td>
<td>5 = 5 USgal/h at 100 psi (~ 7 bar)</td>
</tr>
</tbody>
</table>

**Technical Data**

**Material and construction**
- Brass: Our common grade material of construction. Acceptable for most water based applications.
- Stainless Steel (Type 416): Shows good resistance to wear at higher water pressures. It is rust resistant as well, but not rust proof.

**Pressure vs. Flow**

For general purposes, changes in flow rate due to changes in pressure can be estimated as being approximately equal to the square root of the pressure ratio.

Therefore: Flow rate at the desired pressure = \( \sqrt{\frac{\text{DESIRED PRESSURE}}{100}} \) \( \text{RATED FLOW at 100 PSI} \)

**Filtration**

120 μm stainless steel filter.

**Recommended tightening torque**
- 100-150 in-lbs (11-17 Nm).

**Maximum tightening torque**
- 150 in-lbs (17 Nm).
Data sheet  
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Design
A: Tip  
B: Disc  
C: Filter  
D: Spring

Spray angles

Dimensions for reference only.

Dimensions

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### Program

<table>
<thead>
<tr>
<th>Mini</th>
<th>Brass 12 pieces</th>
<th>Brass 50 pieces</th>
<th>Steel 12 pieces</th>
<th>Steel 50 pieces</th>
<th>Us gal/h at 100 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>M1</td>
<td>030L4604</td>
<td>030L4654</td>
<td>030L4606</td>
<td>030L4656</td>
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<td>030L4609</td>
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<table>
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<tr>
<th>Mini-Wide</th>
<th>Brass 12 pieces</th>
<th>Brass 50 pieces</th>
<th>Steel 12 pieces</th>
<th>Steel 50 pieces</th>
<th>Us gal/h at 100 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>MW5</td>
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<td>030L4652</td>
<td>030L4601</td>
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<tr>
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<tr>
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<td>-</td>
<td>-</td>
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