Particularly fine flat fan atomization with air or gas. Siphon principle. Internal mixing of fluids. Applications: Web dampening, cooling, humidification of goods.

### Pneumatic atomizing nozzles, Flat fan, pressure principle, internal mixing
**Series 136.4**

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#### Accessories for series 136 please refer to page 1.28

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### Table: Spray angle

<table>
<thead>
<tr>
<th>Spray angle</th>
<th>Ordering no.</th>
<th>E</th>
<th>Ø [mm]</th>
<th>Liquid pressure p [bar]</th>
<th>Spray dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Type Material no.</td>
<td>1Y 3Y</td>
<td>0.7</td>
<td>1.5</td>
<td>3.0</td>
</tr>
<tr>
<td>45°</td>
<td>136. 414. xx. A2</td>
<td>0.7</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>136. 442. xx. A2</td>
<td>1.0</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

E = narrowest free cross section (water)

Example: Type + Material no. (xx) = Ordering no.


---

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### Pneumatic Atomizing Nozzles, Flat Fan, Pressure Principle, Internal Mixing
Series 136.4

#### Spray Angle

<table>
<thead>
<tr>
<th>Spray angle</th>
<th>Ordering no.</th>
<th>Material no.</th>
<th>E [mm]</th>
<th>Liquid pressure p [bar]</th>
<th>Spray dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>45°</td>
<td>136.462.xx.A2</td>
<td>1Y</td>
<td>1.5</td>
<td>1.2, 1.6, 2.0</td>
<td>0.7, 1.5, 3.0, 4.0, 4.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>35</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **E** = narrowest free cross section (water)

#### Example for Ordering:

- **Type**: 136.462.xx.A2
- **Material no. (xx)**: 1Y
- **Ordering no.** = 136.462.1Y.A2

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**Notes:**
- The table provides a comprehensive overview of spray angle characteristics, liquid pressure, and spray dimensions for various nozzle configurations.
- The data includes critical parameters for effective atomization and control in various applications.

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