**Series 5MI**

The innovative slot design gives the MiniSpinner its high degree of effectiveness. Due to the modern bearing construction, it is particularly reliable and durable. The MiniSpinner is made entirely from stainless steel and designed for use also at high temperatures. Apart from stainless steel, it is also available in Hastelloy and in many flow rates.

**Materials**

Stainless steel 316L SS,
Stainless steel 440C SS
Hastelloy C22,
Hastelloy C276

**Max. temperature**

140 °C

**Recommended operating pressure**

2 bar

**Installation**

Operation in every direction is possible

**Filtration**

Line strainer with a mesh size of 0.1 mm/170 Mesh

**Bearing**

Double ball bearing made of 440C SS
Double ball bearing made of C276

**Overview of the tank diameter, depending upon the pressure of series 5MI**
### Information on Operation

- Operation with compressed air only for short-term usage. Operation above the recommended operating pressure means higher wear and smaller droplets. This might have adverse effects on the cleaning result.

### Slip-on Information

- R-clip is included. Mat. no. 1Y: R-clip made of stainless steel 316L SS (Ordering no. 095.022.1Y.50.60). Mat. no. 21: R-clip made of Hastelloy C22 (Ordering no. 095.022.21.50.60)
- Depending on diameter of the adapter the flow rate can increase due to leakage between connecting pipe and rotating cleaning nozzle.

### Example of ordering with ATEX-approval.

**FDA and (EC) 1935/2004 conform.**

**Unit group / category / zones:**

II 1 GD c IIB TX

**Specific operating instructions TX:**

- $T_a$: 4°C to 120°C
- $T_{medium}$: 4°C to 95°C

**Example of Ordering:** Type + Mat. no. + Connection = Ordering no.

- 5MI.162 + 1Y + AL = 5MI.162.1Y.AL.EX

**Example of ordering with FDA and (EC) 1935/2004 conformity.**

**All Materials are suitable for contact with food.**

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### Table: Spray Angle

<table>
<thead>
<tr>
<th>Spray angle</th>
<th>Ordering no.</th>
<th>Mat. no.</th>
<th>Connection</th>
<th>E [mm]</th>
<th>V [l/min]</th>
<th>Max. tank diameter [m]</th>
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</thead>
<tbody>
<tr>
<td>60°</td>
<td>SMI.162</td>
<td>1Y 21</td>
<td>AH</td>
<td>2.6</td>
<td>63</td>
<td>77 20</td>
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<td>- AL</td>
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</tr>
</tbody>
</table>

E = Narrowest free cross-section
NPT, more slip-on sizes and weld-on versions on request

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**Example of ordering with slip-on connection according to ASME-BPE (OD-tube)**