Series 5MC

The innovative slot design gives the MicroSpinner its high degree of effectiveness. Due to the modern bearing construction, it is particularly reliable and durable. The MicroSpinner 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

Max. tank diameter [m] 0 1 2 3 4 5 6 7 8 9

Overview of the tank diameter, depending upon the pressure of series 5MC
### 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. 095.013.1E.05.59). Mat. no. 21: R-clip made of Hastelloy C22 (Ordering no. 095.013.21.06.03)
- 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.

Only material 316L SS available with ATEX-approval.

#### Unit group / category / zones:

II 1 GD c IIB TX

**Specific operating instructions TX:**

- $T_\text{a}$: 4°C to 120°C
- $T_{\text{medium}}$: 4°C to 95°C

**Example of ordering:** 5MC.022 + 1Y + AF = 5MC.022.1Y.AF

<table>
<thead>
<tr>
<th>Spray angle</th>
<th>Ordering number</th>
<th>E [mm]</th>
<th>Ø [mm]</th>
<th>V [l/min]</th>
<th>Max. tank diameter [m]</th>
</tr>
</thead>
<tbody>
<tr>
<td>60°</td>
<td>5MC.022</td>
<td>1.0</td>
<td>24.5</td>
<td>16</td>
<td>23</td>
</tr>
<tr>
<td></td>
<td>5MC.042</td>
<td>3.0</td>
<td>21.5</td>
<td>28</td>
<td>40</td>
</tr>
<tr>
<td>180°</td>
<td>5MC.004</td>
<td>0.8</td>
<td>12.8</td>
<td>22</td>
<td>32</td>
</tr>
<tr>
<td>360°</td>
<td>5MC.049</td>
<td>0.9</td>
<td>6.35</td>
<td>28</td>
<td>39</td>
</tr>
</tbody>
</table>

E = Narrowest free cross-section

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

All Materials are suitable for contact with food.

**Example of ordering:** 5MC.022 + 1Y + AF = 5MC.022.1Y.AF

Attention: for the ATEX version of the slip-on connection the code for the connection changes. Example of ordering slip-on connection: 5MC.042.1Y.TF.EX