Rotating cleaning nozzle “MiniSpinner”
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**
- AISI 316L SS, AISI 440C SS
- Hastelloy® C22, Hastelloy® C276

**Max. temperature**
284°F / 140°C

**Recommended operating pressure**
30 psi

**Installation**
Operates in every direction

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

**Bearing**
Double ball bearing made of AISI 440C
Double ball bearing made of C276

To see video
Scan the QR-code or go to: www.lechlerusa.com

<table>
<thead>
<tr>
<th>Max. tank diameter [ft]</th>
<th>0</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>20</th>
<th>25</th>
<th>30</th>
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</thead>
<tbody>
<tr>
<td><strong>Materials</strong></td>
<td></td>
<td></td>
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<tr>
<td>AISI 316L SS, AISI 440C SS</td>
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<tr>
<td>Hastelloy® C22, Hastelloy® C276</td>
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</tbody>
</table>

**Overview of the tank diameter, depending upon the pressure of series 5MI**

- 5MI.209
- 5MI.054
## Spray Nozzle Information

<table>
<thead>
<tr>
<th>Spray Angle</th>
<th>Ordering no.</th>
<th>Material no.</th>
<th>Connection*</th>
<th>Type</th>
<th>Conn.</th>
<th>Free Passage (in.)</th>
<th>Flow Rate (Gallons Per Minute)</th>
<th>Max. Tank Diameter [ft]</th>
</tr>
</thead>
<tbody>
<tr>
<td>60°</td>
<td>5MI. 162</td>
<td>21</td>
<td>BH</td>
<td>3/4&quot; Female NPT</td>
<td>1Y</td>
<td>- TF07</td>
<td>0.102  13.8  17  63  20  24</td>
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<td>180°</td>
<td>5MI. 113</td>
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<td>-</td>
<td>BL</td>
<td>TF07</td>
<td>0.039  14.7  18  67  21  25  9</td>
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<tr>
<td>360°</td>
<td>5MI. 054</td>
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<td>-</td>
<td>BL</td>
<td>TF07</td>
<td>0.019  6.6  8  30  9.3  11.4  6</td>
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<td>5MI. 029</td>
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<td>BL</td>
<td>TF07</td>
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<td>6</td>
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<tr>
<td>5MI. 139.17</td>
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<td>-</td>
<td>BL</td>
<td>TF07</td>
<td>0.059  15  18.5  69  21  26  8</td>
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</tbody>
</table>

* NPT, more slip-on sizes and weld-on versions on request
** Material no. 21 (Hastelloy C22) not FDA and (EG) 1935/2004

### Operation on Operation

- Operation with compressed air purge 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.

### Information on Operation

- R-clip made of stainless steel AISI 316L is included (Ordering no.: 095.013.1E.05.59), Hastelloy® C22 (Ordering no.: 095.013.21.50.60).
- Depending on diameter of the adapter the flow rate can increase due to leakage between the connection and rotating cleaning nozzle.

### Example of ordering with ATEX approval.
FDA and (EG) 1935/2004 conform.

- Unit group / category / zones:
  - II 1G Ex h LLB T6... T3 Ga
  - II 1D Ex h IIIc T85 °C... T150 °C Da

- Example Type + Material no. + Connection = Ordering no. of ordering: 5MI. 162. + 1Y + BH = 5MI. 162. 1Y. BH.EX

### Example of ordering with FDA and (EG) 1935/2004 conform.

All Materials are suitable for contact with food.

- Example Type + Material no. + Connection = Ordering no. of ordering: 5MI. 162. + 1Y + BH = 5MI. 162. 1Y. BH.EX