**Pop-up rotating cleaning nozzles “PopUp Whirly”**

**Series 5P2 / 5P3**

When a certain fluid pressure is reached, the rotating of the PopUp Whirly is automatically extended from the enclosure. These free-spinning rotating nozzles can be installed flush in the tank wall. They are also suitable for cleaning pipes and for applications that use foam. They are of particular interest for applications in the food and beverage industry as well as for the pharmaceutical and chemical industry.

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**Materials**
- 316L SS
- 316Ti SS (spring)
- 316 SS (snap ring)
- PEEK (slide-bearing)
- FKM (O-ring)

**Max. temperature**
- 284°F / 140°C

**Recommended operating pressure**
- 30 psi, 5P2: opening pressure approx. 14.5 psi; closing pressure approx. 7 psi,
- 5P3: opening pressure approx. 13 psi, closing pressure approx. 7 psi

**Installation**
- Operates in every direction

**Filtration**
- Line strainer with a mesh size of 0.3 mm/50 Mesh

**Bearing**
- Sleeve bearing made of PEEK

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**Overview of the tank diameter, depending upon the pressure of series 5P2/5P3**

- **5P3.043**
- **5P2.873**
Series 5P2

Nozzle installation

With thread in idle position

With Tri-Clamp in operating position

Information on operation

- The PopUp Whirly is not suitable for operation with compressed air or any other gas.
- The liquid inlet connection to this nozzle uses a standard 1-1/2" Tri-Clamp ASME BPE mating ferrule, gasket and clamp. The nozzle mounting connection to the vessel requires a special DIN 32676-A DN40 ferrule that is .846" long. This item is not included with the nozzle and must be ordered separately. Please use order no. 095.023.1Y.00.01.0.

The maximum tank diameter shown above applies for the recommended operating pressure and is indicative only. The cleaning result is also affected by the type of soiling.
Pop-up rotating cleaning nozzles “PopUp Whirly”
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Series 5P3

![Series 5P3 Diagram](image)

**Male thread**

**Tri-Clamp**

<table>
<thead>
<tr>
<th>Spray angle</th>
<th>Ordering no.</th>
<th>Tank connection</th>
<th>Free Passage (in.)</th>
<th>Flow Rate (Gallons Per Minute)</th>
<th>Max. tank diameter [ft]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5P3. 043. 1Y. AR</td>
<td>1 1/2&quot; Male BSPP Tri Clamp</td>
<td>.05</td>
<td>20 psi 30 psi</td>
<td>liters per minute</td>
</tr>
<tr>
<td></td>
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</tbody>
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The maximum tank diameter shown above applies for the recommended operating pressure and is indicative only. The cleaning result is also affected by the type of soiling.

**Nozzle installation**

With thread in idle position

With Tri-Clamp in operating position

**Information on operation**

- The PopUp Whirly is not suitable for operation with compressed air.
- The liquid inlet connection to this nozzle uses a standard 2" Tri-Clamp ASME BPE mating ferrule, gasket and clamp. The nozzle mounting connection to the vessel requires a special DIN 32676-A DN50 ferrule that is .846" long. This item is not included with the nozzle and must be ordered separately. Please use order no. 095.023.00.00.0.