**HydroWhirl® Orbitor 100**

**High Impact Rotary Tank Cleaning Machine**

**DESIGN FEATURES**
- Easily field-serviced to reduce maintenance costs
- Minimum moving parts to extend operating life
- Self-cleaning; self-lubricating
- High-impact jets; orbital wash pattern = high efficiency cleaning process
- Ideal for small to medium tanks, easily fits through Ø100 mm (4") openings or Ø85 mm (3.35") when nozzle head is vertically aligned
- 4 nozzle configurations
- Female connections

**SPRAY CHARACTERISTICS**
- 360° wash pattern
- Variable cycle times
- High impact cleaning

- **Flow rates:** 44.8 - 198 L/min
- **Working Pressure:** 3 - 10 bar

**Materials:**
- Housing and Nozzle Head: 316L
- Gears: PEEK + 316 SS
- Bushings/Seals: Carbon Filled PTFE

- **Max. Working Temp.:** 95 °C (200 °F)
- **Max. Ambient Temp.:** 140 °C (285 °F)
- **Weight:** 2.5 kg

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**Jet lengths are effective cleaning lengths**

<table>
<thead>
<tr>
<th># Nozzles X Orifice Size</th>
<th>4 x 3 mm</th>
<th>4 x 4 mm</th>
<th>4 x 5 mm</th>
<th>4 x 6 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Connection Size</strong></td>
<td>3/4” and 1”</td>
<td>3/4” and 1”</td>
<td>3/4” and 1”</td>
<td>3/4” and 1”</td>
</tr>
<tr>
<td><strong>Pressure (BAR)</strong></td>
<td>Flow (L/min)</td>
<td>Jet Length (m)</td>
<td>Cycle Time (min)</td>
<td>Flow (L/min)</td>
</tr>
<tr>
<td>3</td>
<td>45.0</td>
<td>1.0</td>
<td>6.0</td>
<td>66.7</td>
</tr>
<tr>
<td>4</td>
<td>51.7</td>
<td>1.5</td>
<td>5.5</td>
<td>75.0</td>
</tr>
<tr>
<td>5</td>
<td>58.3</td>
<td>2.0</td>
<td>4.9</td>
<td>85.0</td>
</tr>
<tr>
<td>6</td>
<td>65.0</td>
<td>2.0</td>
<td>4.4</td>
<td>93.3</td>
</tr>
<tr>
<td>7</td>
<td>71.7</td>
<td>2.5</td>
<td>4.0</td>
<td>102</td>
</tr>
<tr>
<td>8</td>
<td>78.3</td>
<td>2.5</td>
<td>3.5</td>
<td>110</td>
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<tr>
<td>9</td>
<td>84.0</td>
<td>3.0</td>
<td>3.1</td>
<td>118</td>
</tr>
<tr>
<td>10</td>
<td>90.0</td>
<td>3.5</td>
<td>3.0</td>
<td>127</td>
</tr>
</tbody>
</table>

**All HydroWhirl Orbitor 100 tank cleaning machines are available with ATEX approval.**

Performance may vary with ATEX models.

**TO ORDER:**
- specify pipe size, connection type, nozzle number, spray angle, and material.