## 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
- 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</th>
<th>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>Connection Size</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pressure (BAR)</td>
<td>Flow (L/min)</td>
<td>Jet Length (m)</td>
<td>Cycle Time (min)</td>
<td>Flow (L/min)</td>
<td>Jet Length (m)</td>
</tr>
<tr>
<td>3</td>
<td>44.8</td>
<td>3.7</td>
<td>6.1</td>
<td>66.5</td>
<td>4.3</td>
</tr>
<tr>
<td>4</td>
<td>51.7</td>
<td>4.5</td>
<td>5.5</td>
<td>75.6</td>
<td>5.1</td>
</tr>
<tr>
<td>5</td>
<td>58.5</td>
<td>5.1</td>
<td>4.9</td>
<td>84.5</td>
<td>5.8</td>
</tr>
<tr>
<td>6</td>
<td>65.2</td>
<td>5.6</td>
<td>4.4</td>
<td>93.2</td>
<td>6.4</td>
</tr>
<tr>
<td>7</td>
<td>71.7</td>
<td>6.1</td>
<td>4.0</td>
<td>102</td>
<td>6.8</td>
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<tr>
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<td>78.1</td>
<td>6.4</td>
<td>3.6</td>
<td>110</td>
<td>7.2</td>
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<tr>
<td>9</td>
<td>84.4</td>
<td>6.7</td>
<td>3.2</td>
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<td>90.5</td>
<td>6.9</td>
<td>2.9</td>
<td>127</td>
<td>7.6</td>
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</table>

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All HydroWhirl Orbitor 100 tank cleaning machines are available with ATEX approval. Performance may vary with ATEX models.

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