This stand-alone aeration system is providing reliable, convenient and affordable oxygen transfer. It is designed for use in activated sludge processes, sludge holding or digestion tanks and is ideal for small and medium-sized wastewater treatment plants or industrial facilities.

Robust, clog-free equipment
Behind the Flygt jet aerator’s reliability is the innovative Flygt pumps N-technology, renowned for its proven non-clogging design, ease of use and minimal maintenance.

Low-cost plug-and-play installation
This convenient lift-in, lift-out aeration system offers a cost-effective alternative to fixed mechanical or diffused aeration systems. The aerator can be installed quickly without emptying the existing tank.

Better working environment
Because the submersible Flygt jet aerator rests on the tank bottom, there’s significantly less spray and lower noise levels and vibrations, compared to surface aerators. This greatly improves the working environment.

Flexibility to customize
The Flygt jet aerator comes in seven distinct sizes, to meet various needs on aeration performance. For demanding applications, improved durability can be achieved by Ejectors in stainless steel instead of standard galvanized steel. Hard-Iron™ N-impellers instead of standard hardened cast iron are ideal for abrasive and/or corrosive applications.

The velocity of the water creates air suction which is mixed in the ejector and transferred into the wastewater tank.
Flygt Jet Aerator  SUBMERSIBLE MECHANICAL AERATOR

<table>
<thead>
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<tbody>
<tr>
<td>SOTR* kgO₂/h (lbsO₂/h)</td>
<td>1.6</td>
<td>2.4</td>
<td>3.3</td>
<td>3.4</td>
<td>7.4</td>
<td>8.0</td>
<td>10.8</td>
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<tr>
<td>50Hz</td>
<td>60Hz</td>
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<tr>
<td>SAE**(kgO₂/kWh)</td>
<td>0.7</td>
<td>1.0</td>
<td>1.2</td>
<td>1.4</td>
<td>1.4</td>
<td>1.3</td>
<td>1.5</td>
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<tr>
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<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Nozzle diam (mm)</td>
<td>55</td>
<td>55</td>
<td>95</td>
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<tr>
<td>Flygt N-pump</td>
<td>3085MT</td>
<td>3102MT</td>
<td>3127LT</td>
<td>3153MT</td>
<td>3171MT</td>
<td>3202MT</td>
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<tr>
<td>Pump impeller code</td>
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<td>460</td>
<td>463</td>
<td>424</td>
<td>425</td>
<td>433</td>
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<tr>
<td>Rated Power (kW)</td>
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<td>2.2</td>
<td>3.1</td>
<td>3.7</td>
<td>5.9</td>
<td>7.5</td>
<td>9</td>
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<td>Cooling jacket</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
</tbody>
</table>

* At 4 m water depth  
** At maximum water depth

**Compulsory**
Cooling jacket for N-3153, N-3171 and N-3202

**Recommended**
Hard-Iron™ impeller in corrosive or erosive applications. Ejector system in stainless steel version for pH>11.

**Process data**
- Liquid temperature: +40°C (max.)
- Liquid pH range: pH 5.5-14
- Liquid density: 1100 kg/m³ (max.)
- Max. total solids content: 4(8)%

For temperatures higher than 40°C and/or total solids content higher than 4%, contact your local Xylem representative.

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* Flygt is a brand of Xylem, whose 12,000 employees are addressing the most complex issues in the global water market.

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