

## NS 15-50 JET AERATORS

Equipment for aeration and mixing of wastewater in chambers and circulation ditches of small and medium wastewater treatment plants. They are ready for work immediately after installation at the station. They can be mounted on floats, allowing for operation with any fluctuations of the wastewater level.

Functions:

- aeration and mixing or only mixing of wastewater at treatment plants,
- refreshing and preliminary aeration in drainage basins, buffer tanks and intermediate wastewater pumping stations,
- support or replace machines of low effectiveness, such as: surface aerators, brushes, aeration grates, etc.

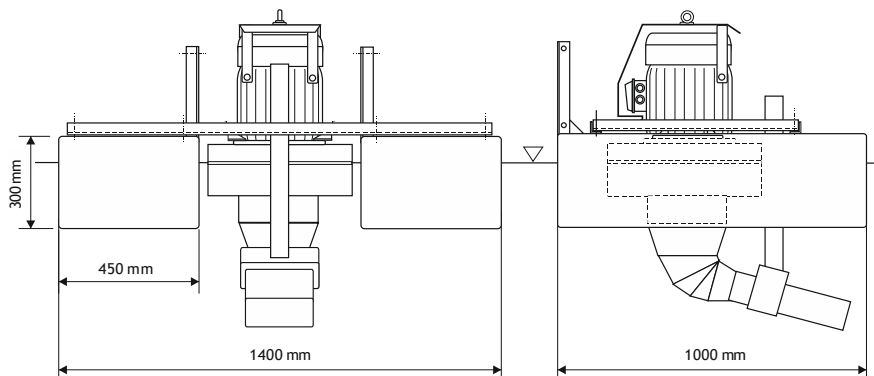
| Parameter                            | Aerator size    |                 |                 | Unit of measure        |
|--------------------------------------|-----------------|-----------------|-----------------|------------------------|
|                                      | NS 15           | NS 30           | NS 50           |                        |
| Machine power*                       | 1.5             | 3.0             | 5.0             | kW                     |
| Electrical motor power               | 2.2             | 4.0             | 5.5             | kW                     |
| Jet angle of inclination             | 15° / 30° / 45° | 15° / 30° / 45° | 15° / 30° / 45° | degrees                |
| Aeration capacity**                  | up to 2.2       | up to 4.8       | up to 9.0       | kgO <sub>2</sub> /hour |
| Mixing capacity                      | 15              | 14              | 12              | W / m <sup>3</sup>     |
| Aeration economy**                   | up to 1.5       | up to 1.6       | up to 1.8       | kgO <sub>2</sub> /kWh  |
| Maximum depth of aeration and mixing | 2.2 / 3.2 / 4.0 | 2.6 / 3.6 / 4.4 | 3.0 / 4.1 / 5.0 | m                      |
| Minimum tank depth                   | 0.7             | 0.7             | 0.8             | m                      |
| Weight without floats                | 70              | 78              | 107             | kg                     |
| Weight of floats                     | 52              | 52              | 52              | kg                     |

\* Power of pump-jet assembly consumed from electrical grid.

\*\* Aeration economy and capacity values given for pure water under optimal hydraulic conditions.

Depending on the type of wastewater and chamber, the appropriate conversion factor must be applied.

The data above should only be used in conjunction with up to date and detailed information on [www.biox.pl](http://www.biox.pl).



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