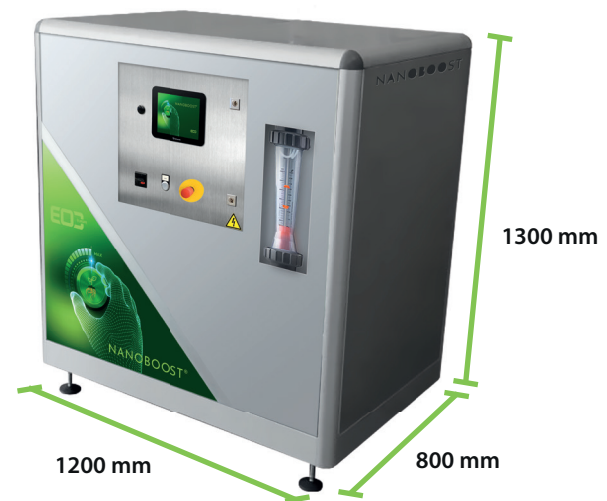


# NANOBOOST®

## Oxygen Nanobubble Generator



The oxygen finebubble generator of EOD® Europe adds remarkable amounts of oxygen into water. Part of the generated oxygen is dissolved and it temporarily supersaturates the water. Most of the generated oxygen is stored into finebubbles as gas, which maintains the high oxygen content of water for a longer period of time.

The oxygen storage of water increase energy efficiently with the compact and easy to use NANOBOOST®. The Nanoboost® harvests the needed oxygen from the surrounding air with a molecular sieve. Hence, the system does not need a separate compressed oxygen supply. The oxygen (93 %) is stored as nanobubbles into water with a cavitation generator. For example, the model 7371 improves the water oxygen content by about 11 g/min, 60 % of which is stored into nanobubbles.

High oxygen content of water decreases pathogen and biofilm growth, improves water quality, and promotes the growth of organisms that benefit from oxygen. Also, the physical properties of the nanobubbles intensify water treatment processes and specifically convey trace elements to the aimed target, for example nutrients to plant roots.

### Device properties

- Suitable for oxidising any kind of water.
- The device harvests the needed oxygen from surrounding air.
- Compact and independently functioning device that is easy to integrate into existing systems.
- The controlling logic enable remote control and monitoring and has readiness to be integrated into different automation and information collection systems.
- The built-in control system includes scheduled operation, alarm and maintenance notifications, and option for DO-based operation

### Operational requirements

- Covered space
- Accepted air humidity 15 – 75 %
- Surrounding air temperature 5 – 40 °C
- Inlet water pressure
  - for standard unit 1,4 bar
  - for special unit up to 3,5 bar

## NANOBOOST® Oxygen nanobubble generator

<b>Model:</b>	<b>7371</b>
<b>Water treatment capacity, m<sup>3</sup>/h</b>	<b>9-18</b>
<b>Oxygen feed, l/min</b>	<b>8</b>
<b>Controlling</b>	<b>fully automated</b>
<b>Inlet water connection</b>	<b>63 mm - 75 mm</b>
<b>Outlet water connection</b>	<b>63 mm - 75 mm</b>
<b>Nominal frequency, Hz</b>	<b>45 / 50</b>
<b>Volume, dB</b>	<b>80</b>
<b>Max current, A</b>	<b>13.4</b>
<b>Power, kW</b>	<b>1.5</b>
<b>Operational power, kW</b>	<b>0.9-1.3</b>
<b>Nominal voltage, V</b>	<b>400</b>
<b>Unit weight, kg</b>	<b>180</b>
<b>Unit weight in package, kg</b>	<b>230</b>
<b>Unit height, mm</b>	<b>1300</b>
<b>Unit width, mm</b>	<b>1200</b>
<b>Unit depth, mm</b>	<b>800</b>
<b>Shipped on</b>	<b>Euro pallet</b>
<b>IP</b>	<b>44</b>
<b>Certification</b>	<b>CE</b>

Reseller