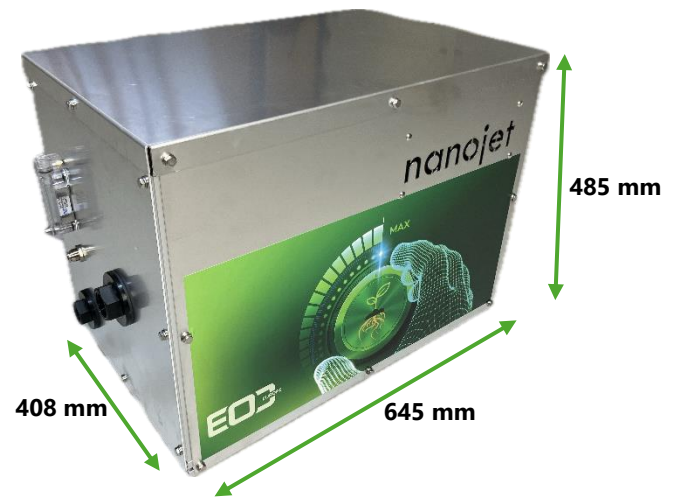


nanojet

Nanobubble Generator

Maximises the effectiveness of gas introduction into water



Nanojet is a simple and compact solution providing all that is needed to see the benefits of nanobubbles in practice in different application fields and with different gasses. It is ideal for testing and smaller scale operation.

Nanojet can energy efficiently introduce various gasses into water within nanobubbles. Gas can be injected from pressurised gas bottle (O₂, H₂, CO₂, etc.), air can be injected when equipping the device with an air compressor, and infinite oxygen supply is guaranteed with a separate oxygen generator that harvests oxygen from air. Within nanobubbles also low solubility gasses are “trapped” within water.

EXAMPLES

Depending on the gas fed into the process, the nanobubbles have different benefits in different applications. Sufficient amount of *oxygen* in water provides balanced and healthy growth qualifications for agri- and aquaculture environment. *Air and oxygen* nanobubbles enhance water treatment processes, e.g. flotation and biological processes. Microalgae cultivation benefit from additional *carbon dioxide* and biogas processed can be reinforced with extra *hydrogen*.

Device properties

- Multiplies the gas storage abilities of the liquid
- Utilises different gas sources
 - bottled gas
 - air compressor
 - oxygen generator
- Can be tailored to meet specific needs of various industries. Proofs the nanobubbling benefits in Your process

Operational requirements

- Covered space
- Surrounding air temperature 5 – 40 °C
- <1mm particles in water
- Option for remote control (24V)

Application industries with interesting possibilities

- Agriculture
- Aquaculture
- Food industry
- Water treatment
- Material industry (e.g. concrete, paper)
- Process industry (e.g. mining, biogas)

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Model	727
Water treatment capacity, m ³ /h	4 – 5
Gas feed, l/min	4
Controlling	on/off
Inlet water connection	1"
Outlet water connection	¾"
Gas inlet connection, mm	10
Nominal frequency, Hz	50
Loudness, dB	80
Max current, A	5.5
Operational power, kW	1.25
Nominal voltage, V	230, 1-phase
Unit weight, kg	30
Unit weight in package, kg	32
Unit height, mm	485
Unit width, mm	645
Unit depth, mm	408
Shipped on	Carton 520mm x 530mm x 700mm
Certification	CE
IP	44
Environmental requirements	Inlet water temperature max 35°C

Reseller