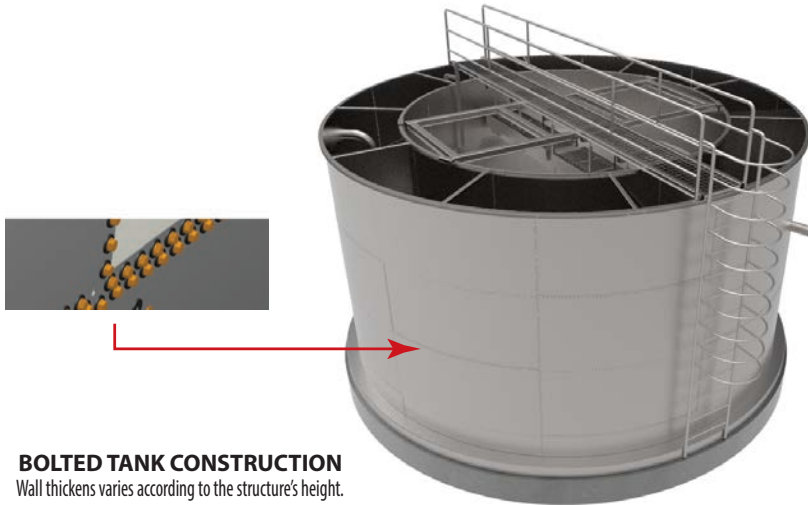


TECHNICAL INFORMATION

BAK-2 ON SITE ASSEMBLED Units are available in the following configurations

CONFIGURATION	ANAEROBIC	OXIDATION	NITRIFICATION	DENITRIFICATION
BAK-2 BN		•	•	
BAK-2 PBN	•	•	•	
BAK-2 DBN		•	•	•
BAK-2 PDBN	•	•	•	•



BOLTED TANK CONSTRUCTION
 Wall thickness varies according to the structure's height.
 External thermal insulation is available for cold climates

For further details please request the technical specifications and drawings.

BAK-2 Site Assembled Sewage Treatment Plants

BAK-2 Sewage treatment plants are compact, assembled units designed to treat the wastewater generated by villages, communities and small towns.

These plants are Euromarket's proprietary designs and are based on an advantage biological treatment process, the Moving Bed Biofilm Process MBBR™ (Licensed by AnoxKaldnes AS). The MBBR™ Process is based on the ability to develop aerobic bacteria culture on a protected plastic media surface. The media are kept in suspension by the air that is diffused into the aerobic reactor or with the use of mixing device in case of anoxic denitrification reactors. In turn, the bacteria population biodegrades the organic waste compounds and superior quality effluent is produced.

Different models are available with the respect to capacity and treatment configuration.

A final collection tank may be used for the storage and disinfection of the purified effluent before this is used for irrigation. This tank does not form part of the compact unit.

BAK-2 treatment unit can be installed above or partly below the ground. They are totally engineered in EUROMARKET's factory and are delivered on site for assembly.

Their construction is based on the bolted tanks principle. According to the capacity and process configuration of the unit different tank sizes are used. There are available in different sizes to serve 1000 to 20 000 inhabitants. Practically these units require minimum maintenance, are characterized by very low energy consumption and low excess sludge production. The necessary air blowers and control unit can be installed in a separate cabinet.

BAK-2 treatment units cause no nuisance to the surrounding area due to their low noise emission and odourless operation

Disclaimer: The information contained on this data sheet is intended for general information only and should not be considered to be complete or definitive. S.K. Euromarket Ltd reserves the right to make changes at any time, without notice, to any element of the equipment presented.

BENEFITS

- Simple and fast installation
- Modular design
- Built to last
- Robust on load variations
- Tolerates disturbances
- Low noise emission
- Odourless operation
- Excellent effluent quality
- Low running cost
- Low maintenance cost
- Easy trouble free operation

FLEXIBILITY

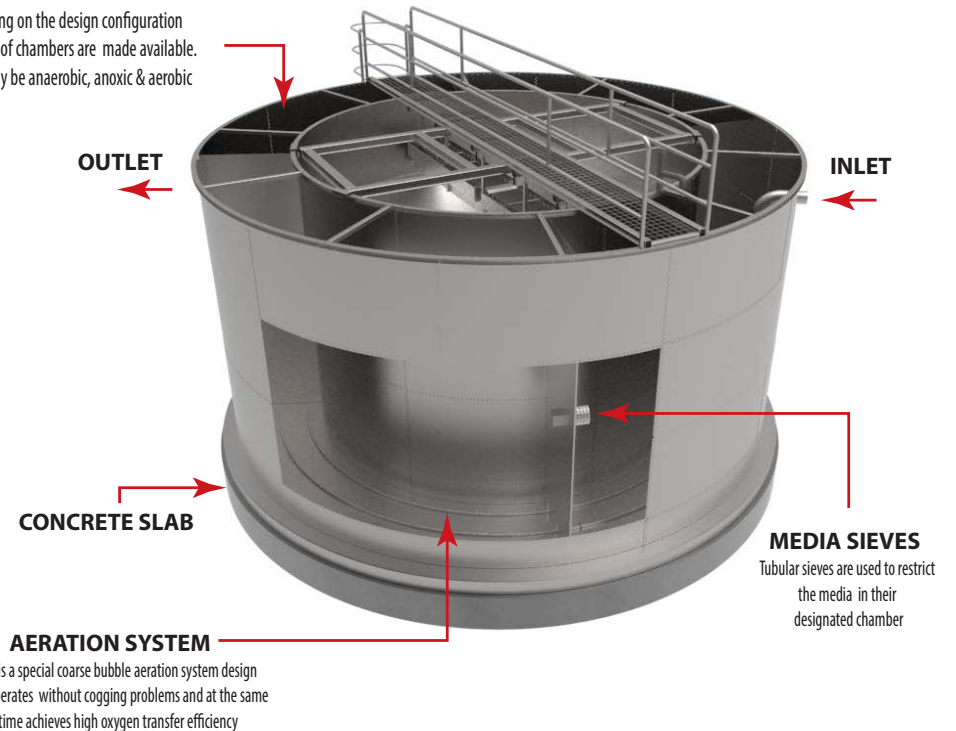
- Above or below ground installation
- Can be relocated
- Can achieve Nitrification at <5 °C
- Can achieve DENITRIFICATION BAK-2 DB & PBN units
- Operating ambient temperatures -20°C to +45°C
- Upgrading capacity up to 25% with existing tanks
- Fully automatic operation
- Can be connected to a SCADA and telemetry system
- Economy mode for low loading seasons

CONSTRUCTION MATERIALS

- Tanks and internal sections in stainless steel AISI304
- Media sieves in stainless steel AISI304
- Aeration System in stainless steel AISI304
- Inlet and outlet piping in stainless steel AISI304
- Internal piping in stainless steel AISI304
- Access bridge and ladder in stainless steel AISI304
- Fasteners in stainless steel AISI304
- Biomechanical in HDPE

PROCESS CHAMBERS

Depending on the design configuration a number of chambers are made available. These may be anaerobic, anoxic & aerobic



AERATION SYSTEM

This is a special coarse bubble aeration system design that operates without clogging problems and at the same time achieves high oxygen transfer efficiency

MEDIA SIEVES

Tubular sieves are used to restrict the media in their designated chamber