

CAPSULE Sewage Treatment Plants

CAPSULES Sewage treatment plants compact units designed to treat the wastewater generated by a single house or a limited numbers of houses.

These plants are Euromarket's proprietary designs and are based on an advanced 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 to maintain the bacteria alive. In turn, the bacteria population biodegrades the organic waste compounds and superior quality effluent is produced.

The anaerobic reactor receives the raw sewage and ensures the removal of most of the suspended matter. In addition, it achieves reduction of the pollutants and removal of oil and grease before the Introduction of pretreated waste into the MBBR™ Aerobic reactor.

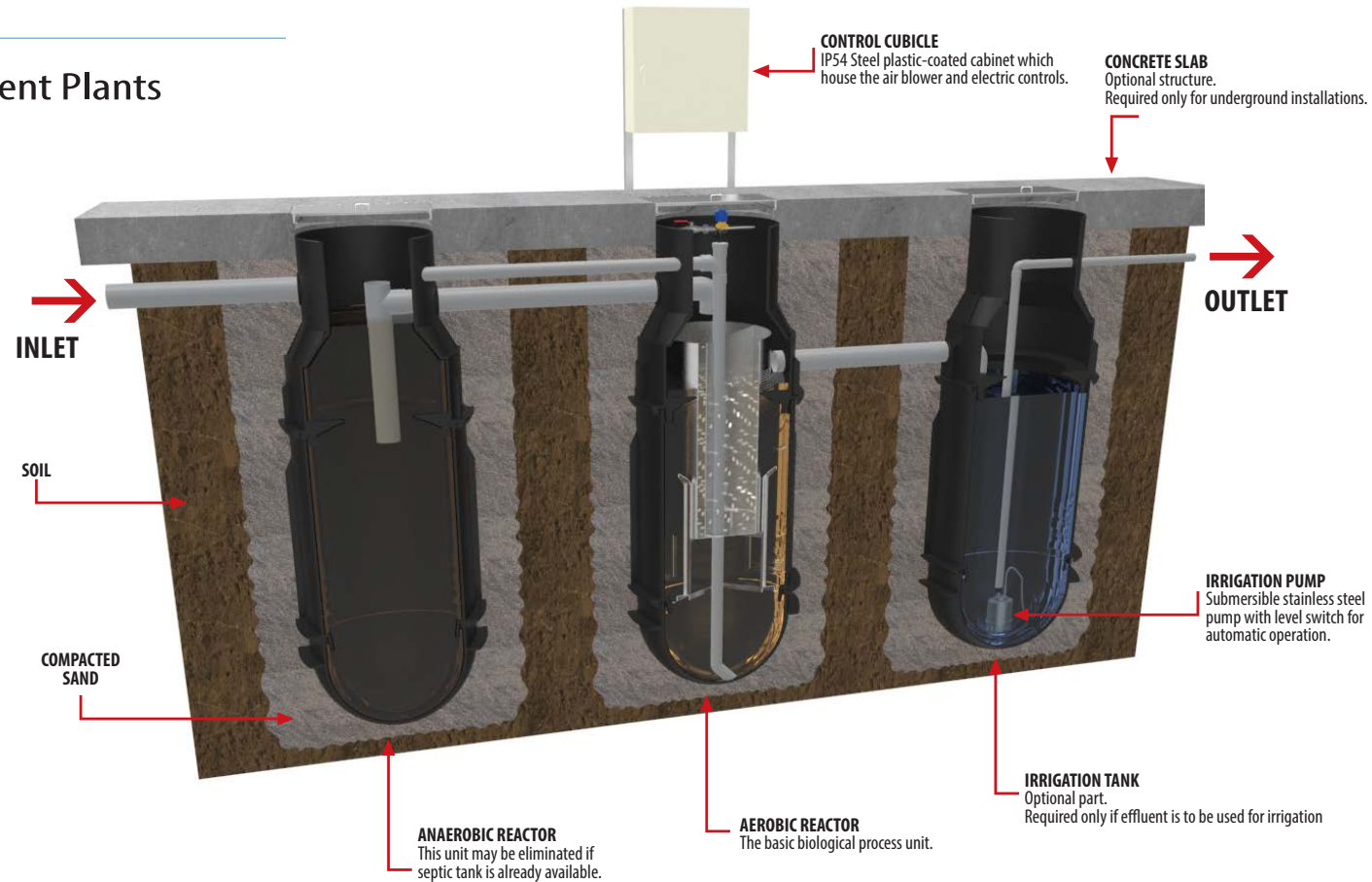
The final collection tank is used for the storage and disinfection of the purified effluent before this is used for irrigation.

CAPSULE treatment units can be installed above or below ground. They are available in three different sizes for 5, 10 & 20 inhabitants. Practically these units are maintenance free with very low energy consumption.

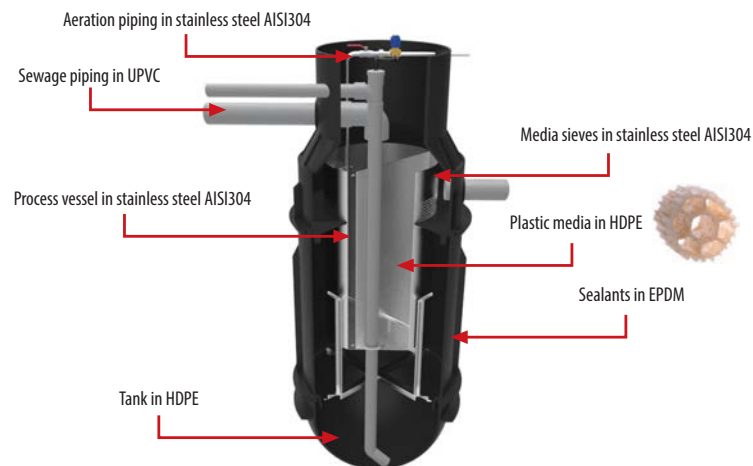
CAPSULE treatment units cause no nuisance to the surrounding area due to their noiseless and odourless operation

BENEFITS

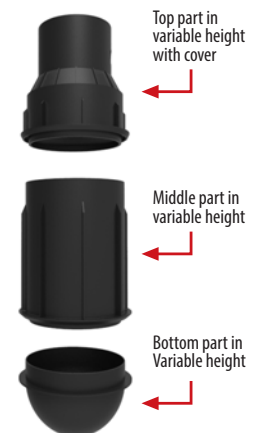
- Simple and fast installation
- Modular design
- Built to last
- Robust on load variations
- Noiseless operation
- Odourless operation
- Excellent effluent quality
- Low running cost
- Low maintenance cost
- Trouble free operation
- Easy to operate



CONSTRUCTION MATERIALS



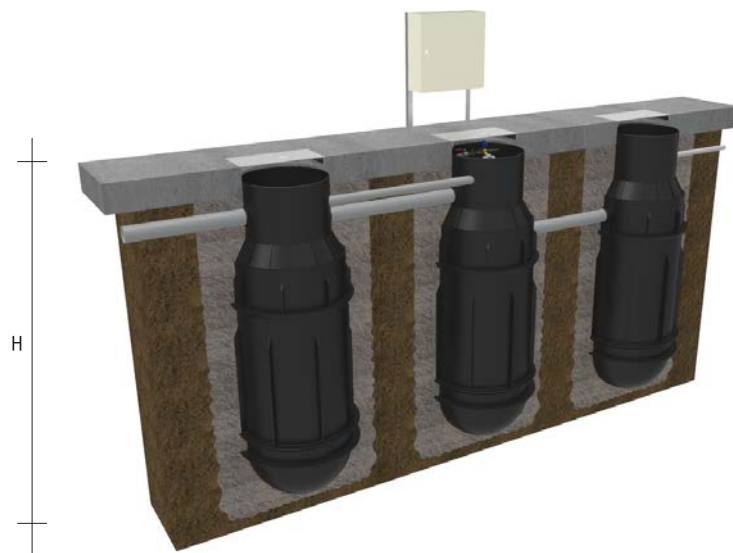
MODULAR DESIGN



TECHNICAL INFORMATION

CAPSULE UNITS are available in three different sizes. The technical characteristics and dimensions are shown on the table below.

MODEL	CAPACITY	HEIGHT (H)	CHAMBER DIAMETER	POWER CONSUMPTION
CASPULE 5	5 Persons	2400 - 3250 mm	800 mm	84 W
CASPULE 10	10 Persons	2400 - 3250 mm	800 mm	135 W
CASPULE 20	20 Persons	2400 - 3250 mm	1000 mm	237 W



For further details please request the technical specifications and drawings.

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DOMESTIC CAPSULE
Prefabricated sewage treatment plants