

TECHNICAL INFORMATION

COMBICELL units are available in the following configurations:

CONFIGURATION	ANAEROBIC	OXIDATION	NITRIFICATION	DENITRIFICATION
COMBICELL BN		●	●	
COMBICELL PBN	●	●	●	
COMBICELL DBN		●	●	●
COMBICELL PDBN	●	●	●	●

Typical sizes of the standard COMBICELL PBN units:

UNIT	DAILY FLOW (m ³)	DIAMETER (m)	HEIGHT (m)
COMBICELL 50 PE	10	2.0	3.0
COMBICELL 100 PE	20	2.8	3.0
COMBICELL 150 PE	30	3.3	3.0
COMBICELL 200 PE	40	3.3	3.75
COMBICELL 300 PE	60	3.7	3.75
COMBICELL 400 PE	80	4.2	3.75
COMBICELL 500 PE	100	4.8	3.75

For further details please request the technical specifications and drawings.

COMBICELL

Preassembled sewage treatment plants

PREFABRICATED COMBICELL Sewage treatment plants are compact factory-assembled units designed to treat the wastewater generated by the number of house or residential blocks.

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 or with the use of mixing devices in the 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 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 formed part of the compact unit.

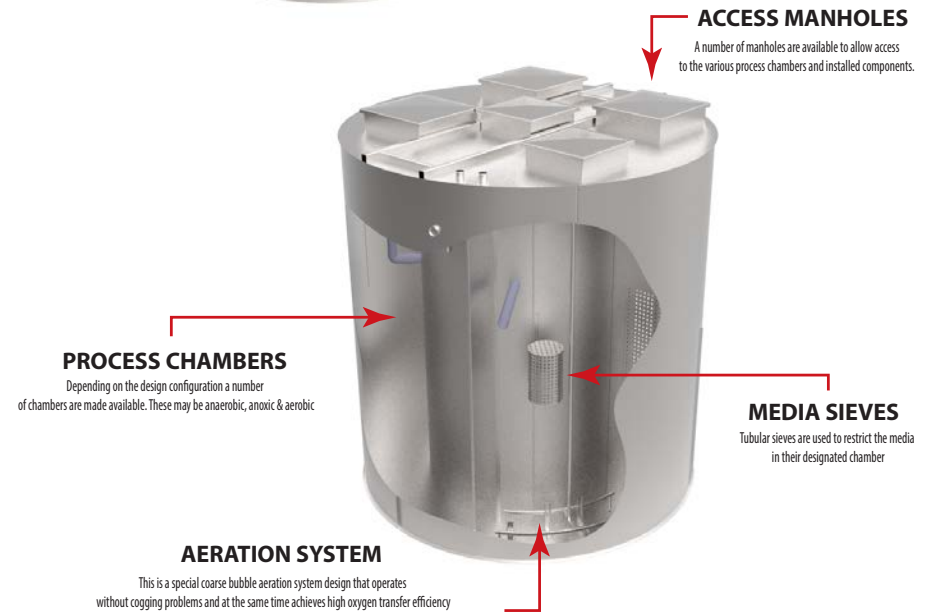
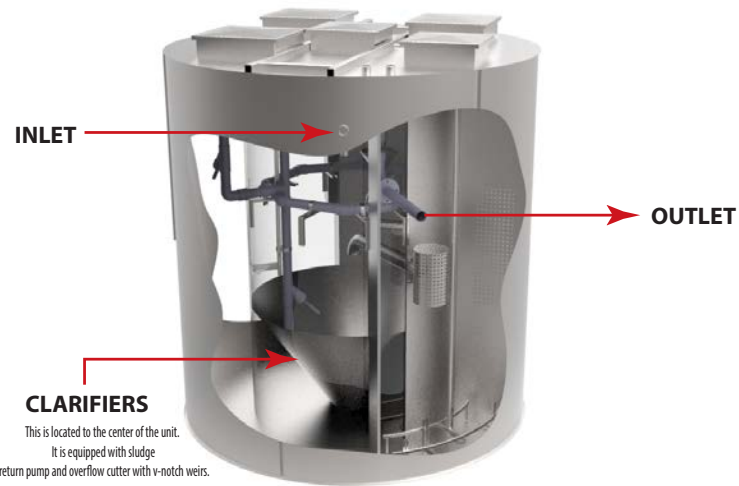
COMBICELL treatment units can be installed above or below ground.

They are available in seven different sizes for 50, 100, 150, 200, 300, 400 & 500 inhabitants. Practical these units require minimum maintenance and are characterized by very low energy consumption. The necessary air blowers and control unit can be installed in a separate cabinet. COMBICELL treatment unit 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
- 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
- Upgrading capacity of 25%
- Can achieve nitrification below 5°C
- Can achieve denitrification COMBCELL DBN & PDBN units
- Operating ambient temperature from -20 °C to + 45 °C
- Economy mode for low loading seasons