Decentralised wastewater treatment with modular EnviModul system solutions by EnviroChemie

Resource-friendly and energy-efficient plant technology installed in special modules.

EnviModul system solutions are modular plants for water treatment, pre-treatment and wastewater treatment. We deliver the EnviroChemie water technology that has been tried and tested for over 35 years in the form of compact EnviModul high-performance modules.

For a variety of applications in different industries, we build the EnviModules in a way that allows process water and wastewater to be treated in an energy-efficient and resource-friendly manner.

From pre-treatment to circulation and wastewater treatment – we offer different EnviModules that can be combined and expanded flexibly.

Special design

EnviModul roof surface utilised for a photovoltaic plant.

The advantages are clear

Comparison of the conventional plant design and EnviModul plant solutions

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Examples in practice

An EnviModul plant for decentralised wastewater treatment for cosmetics production in Eastern Europe.

EnviModul compact biological wastewater treatment plant for an industrial plant in Central Africa.

EnviModul – modular plant systems for the decentralised treatment of process water and wastewater.
Split-O-Mat® and Lugan® compact plant systems in EnviModul design

The physico-chemical wastewater treatment options Split-O-Mat® and Lugan® flotation plants are delivered in factory-ready 6 m EnviModules. They can be easily installed on site. Control units, climate control and safety technology are part of the standard equipment in EnviModul plants.

Individually planned system solutions in EnviModul design

We offer all EnviroChemie water technology, such as the biological method Biomar®, the physico-chemical methods Envochem® and Flomar® and the membrane technology Envopur® in 12 m EnviModul design. The ready-to-use plants for the treatment of process water and wastewater can be flexibly combined or expanded depending on the customer’s requirements. If needed, EnviModul plants can be moved as well. They are an ideal solution for the decentralised treatment of industrial water.

EnviModul with Split-O-Mat® plant technology

Physico-chemical treatment based on the precipitation/flocculation/filtration principle for:
- Removal of hydrocarbons
- Removal of solids
- Heavy metal precipitation
Use in printing, paint and varnish industry, metal industry, glass industry etc.

EnviModul with Lugan® plant technology

Compact flotation with flocculation based on the dissolved-air system.
Used for example in decentralised further wastewater treatment from production or washing processes, such as those used in wash stations for vehicle and parts cleaning.

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Envopur® Reverse osmosis compact with touch panel control and small control centre.
Used for example in water recycling from pretreated production wastewater.

Biomar® Membrane biology designed in two EnviModules.
Used for example for the biological treatment of wastewater from the chemical and pharmaceutical industries.

Flomar® High-performance flotation plant

Compact flotation plant with flocculation, designed in two EnviModules, based on the dissolved-air system. In this case implemented as an open design.
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Used in print, paint, varnish, metal, glass etc.

**EnviModul with Lugan® plant technology**

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Used for example in decentralised further wastewater treatment from production or washing processes, such as those used in wash stations for vehicle and parts cleaning.

**Envopur® Reverse osmosis compact**

With touch panel control and small control centre.

Used for example in water recycling from pretreated production wastewater.

**Envchem® Physico-chemical wastewater treatment**

Space-saving two-storey plant.

Process: Precipitation and flocculation with sedimentation, sludge dewatering. Complete with all dosing systems and safety equipment.

Used for example in the metal industry, mining, disposal.

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EnviModul plant for decentralised wastewater treatment for cosmetics production in Eastern Europe.

An EnviModul plant easily moved for wastewater treatment in the chemical industry.

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www.envirochemie.com