

Resourcing the world



# Ecodisk™ Pack

A turnkey treatment plant solution  
for domestic wastewater

- Plug & Play system
- Package unit with easy installation
- Reuse water quality standards
- 100 - 5000 people equivalent

VEOLIA WATER TECHNOLOGIES  
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WATER TECHNOLOGIES

# Ecodisk™ Pack



## A compact wastewater treatment plant

Ecodisk Pack is a treatment plant for domestic wastewater, designed for small and medium-sized rural or semi-urban communities, with populations of 100 - 5000 people equivalent (PE) including:

- Campgrounds, hotels, restaurants, mountain huts, base camps, etc.
- Expansion and rehabilitation of existing plants.

Ecodisk Pack is a turnkey solution with pretreatment, biological treatment with secondary clarification and a tertiary polishing stage, as one package unit easy to operate, plug & play and very compact.

## Ecodisk™ process flow

Water pumped from the Equalization tank arrives into a fine screen with 3 mm mesh size, and then the flow passes gravitationally throughout the biological compartments of biodisc modules in which aerobic wastewater treatment occurs with the help of the attached biology a.k.a biofilm / bioturf.

The lamella settler separates the sludge particles and then the sludge is extracted using a sludge pump and the clear water passes to a break tank.

The sand filter skid with chlorination will polish the TSS, BOD, and COD, in order to maintain REUSE water quality standards.



## Key advantages of Ecodisk™ Pack?

Ecodisk Pack has been developed to fulfill the market requirements in terms of quality of equipment, capacity compatibility, technology and performance.

Here are some key advantages:

- Complete treatment of the water,
- A high-end solution with an excellent quality-price ratio,
- A reliable - durable process,
- Reliability of the attached culture against the load and hydraulic shocks / variations,
- No risk of clogging,
- Low energy consumption,
- Simple, minimal operation (a few hours per week),
- No noise, visual or odor nuisances,
- Modular, upgradeable process, integrated into the environment from a sustainable development standpoint,
- Plug & Play system, package unit, easy installation

## Design specifications

Below is the table of system performance of Ecodisk Pack water quality.

PARAMETERS	UNIT	INFLUENT	EFFLUENT
COD	ppm	600	75
BOD	ppm	300	10
TSS	ppm	300	10
NH4-N	ppm	30	5
TKN	ppm	40	15
T(°C)	°C	24	24

## A local network at your service

Veolia Water Technologies provides unique technologies, custom design solutions, standard products and aftermarket as well as water management chemistry and services throughout the Middle East. With more than a dozen office locations from coast to coast and a staff of more than 1000 employees, we provide global expertise with a local presence.

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