

# O X Y T A N K

## Small-size package waste water treatment plants

### Main features

OXY-TANK is a small-size package waste water treatment plant utilizing the activated sludge process, enabling a continuous process to take place.

The system is designed to maintain sufficient oxygen, mixing, and detention time to allow microorganisms to oxidize treatable wastes for removal of BOD, TSS, ammonia, and other wastewater constituents.

The standard package plant is a rectangular tank consisting of an aeration chamber, hopper bottom clarifier, sludge holding tank, and (optional) chlorine disinfection chamber. This process also incorporates recycling of settled activated sludge from the settling tank to the aeration tank.

The mixing, aeration and settling operations are simultaneous, and are performed in different parts of the system.

### Applications

The prefabricated OXY-TANK is designed for ease of installation for small communities or buildings located remote from centralized municipal treatment facilities or for customers requiring pretreatment prior to discharge to a municipal sewer system.

OXY-TANK units are designed to treat wastewater capacities up to 400 population equivalent. For higher capacities the systems can be multiplied, hence if needed the installed system can be easily extended.

### Benefits

- Straight forward process treatment and fully automatic controls
- Suitable for both municipal and industrial wastewater applications
- Standard modular steel construction allows for ease of installation as well as process and flow upgrades
- Minimum operator attendance required
- Minimum maintenance requirements
- Designed for above grade installation
- Minimum field assembly
- Maximum odor control and quiet operation
- Small footprint reduces land use and allows plant to be easily covered

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Type	Population equivalent	Peak flow (m3/h)
<b>OXY TANK 150</b>	<b>up to 150</b>	<b>5,0</b>
<b>OXY TANK 250</b>	<b>up to 250</b>	<b>8,0</b>
<b>OXY TANK 400</b>	<b>up to 400</b>	<b>12,5</b>

