

## Compact wastewater treatment plant siClaro® Pack

### Task

Water is the prerequisite for all life. MARTIN Systems guarantees the highest level of wastewater treatment with the membrane filters in the siClaro® series and the compact biological sewage treatment plant siClaro® Pack.

MARTIN Systems ensures that water is free from pathogenic micro-organisms, contains no environmentally-harmful pollutants and is cleaned of turbid matter that could affect quality. This way, the water can be re-used to save natural resources.

### siClaro® Pack

The compact wastewater treatment plant is integrated in a 40 ft High Cube container and consists of the mechanical pre-treatment (fine screen), the aeration tank, the filtration chamber with submersed siClaro® flat sheet membranes, the mechanical room and the separate surplus sludge storage tank. The plant is ready for use and operates fully automated.

The filtrate obtained by the filtration process is free from germs and suspended solids and can be re-used for irrigation purposes, for the cleaning of parking areas, as flushing water or simply be discharged into the receiving water. For re-use purposes a filtrate cleaning and storage tank can be integrated into the treatment plant.



The effluent inflow is carried out by the lifting station with an adequately dimensioned wastewater storage tank.

### Technical Data

	Hefei/ China
Population Equivalent (PE)	133 PE <sub>60</sub>
Wastewater inflow (m <sup>3</sup> /d)	max. 40
Filtering surface installed (m <sup>2</sup> )	200
Filtration chamber volume (m <sup>3</sup> )	9,1
Aeration tank volume (m <sup>3</sup> )	10,5