

Your Water
Our Solutions



The RemoteBoxx™ is a standard product designed and pre-engineered™ for a range of flows and configurations. The units include a mobile MBR packaged wastewater treatment system that incorporates screening, biological treatment systems, filtration equipment, disinfection, heating, ventilation and a PLC/HMI controls system. The submerged hollow fiber ultrafiltration system used in the MBR produces superior effluent quality while operating in a compact high solids wastewater environment.

Standard features include:

- Fully insulated building enclosure with industry-standard shipping dimensions and indoor operator area, which includes heating, ventilation and standard and emergency lighting
- Fine screening system including screenings compactor
- Integral aerated combined equalizer/bioreactor tank with diffuser grid
- Hollow fiber ultrafiltration membrane system for reuse-quality effluent
- Membrane tank with side-loading access door for ease of membrane installation/access
- Membrane chemical cleaning system
- Pumps, blowers, tanks and other equipment located and accessible from within the building enclosure
- Plant start-up and operator training

Additional features & options include:

- Upstream flow equalization
- Waste sludge thickening or dewatering
- Chemical systems for phosphorus removal or pH control
- Effluent systems including turbidity analyzer, UV disinfection, chlorine disinfection and effluent composite sampler
- Maintenance packages including spare parts and/or service contracts
- 24/7 technical support
- Remote monitoring data analysis and tracking
- Building air conditioning
- Base skids for roll-off or installation on piles
- Safety package (fire extinguisher, eye wash station, first aid, etc.)
- Various voltages available for versatility

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Unique to the design and system configuration, the RemoteBoxx™ mobile wastewater plants can be placed and mechanically / electrically connected in a single day. Plant seeding and start-up can follow immediately after. When larger flows or plant expansions are required, any single unit RemoteBoxx™ system can easily be expanded into multi-unit trains with the addition of a second or third unit. In applications where the MBR system is used as a pre-treatment to a mobile RO, the complete system can be made functional within days of arrival at plant site.

RemoteBoxx™		20	100	255
POPULATION		60-120	300-600	750-1500
NOMINAL DESIGN FLOW RATES				
AVERAGE FLOW	m ³ /d	20	100	255
TYPICAL INFLUENT WASTEWATER QUALITY				
BOD ₅	mg/L	300-400		
TSS	mg/L	350-450		
TKN	mg/L	50-75		
TP	mg/L	8-12		
ACHIEVABLE TREATED EFFLUENT QUALITY				
BOD ₅	mg/L	< 2		
TSS	mg/L	< 2		
TN	mg/L	< 2		
TP	mg/L	< 0.05		
TURBIDITY	NTU	< 0.2		
SDI		< 2.0		

