PEWE Mobile Innovative

The new ASO® Mobile! MBBR bioreactor is a continuous flow wastewater treatment system utilized for the reduction of soluble organics and nutrients. The key to the system is the Patented media which provides a “home” for biological colonies of bacteria and protozoa to grow and flourish. The technology utilizes a single flow through design with no need for activated sludge recycling or backwashing. The media are contained within the vessel and submerged in the tank. A pump moves the wastewater to the ASO® Mobile! MBBR system where a coarse air dispersal system evenly applies the wastewater to the media. The aeration grid provides for continuous application of oxygen to the bio-colony. Simple monitoring of DO, organic and nutrient levels are all that is required for efficient operation of the system.

ASO® Mobile! MBBR Operation & Maintenance

Each day the system operator will perform a simple check of the dissolved oxygen and nutrient levels. A DO meter in each MBBR reactor will continuously register the levels throughout the day. An automated timer will dose the appropriate amount of Alkalinity, Nitrogen and Phosphorous required in the system.

Custom Mobile MBBR
Only With PEWE!

Industrial Portable Wastewater Treatment System

PEWE’s patented ASO® media technology provides a reliable, portable alternative for wastewater treatment. Whether desert or arctic conditions, the ASO® Mobile! MBBR can be configured for the world’s most remote places.

ASO® Mobile! Benefits:

- Applications flows; 5k to 100k GPD
- Mobile and portable; Ship by truck, rail, sea
- Self-contained piping and wiring; Simple plumbing and electrical connections
- Modular; MBBR tanks installed singly or serially
- Versatile: Many industrial effluent applications
- Easy to operate and maintain
- High energy efficiency
- Reuse compatible effluent

ASO® Mobile! MBBR System Controls

The Command Control® PLC provides control of the system. A phase protector is installed in the panel to protect downstream electronics and motors from “single” phasing problems. A level pressure transmitter on the incoming EQ tank to allow the PLC to send water to the treatment plant as needed. A variable frequency drive may be incorporated into the MBBR blower motor to provide speed control while maintaining optimal DO levels.

ASO® Mobile! MBBR

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<th>MODEL</th>
<th>GPD</th>
<th>FOOTPRINT</th>
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All models designed for:
1500 BOD reduced to 250 BOD
250 TSS; nil FOG
Avg @ 70F