



# ASO® Mobile! Package Plant MBBR



PEWE ASO® Mobile! MBBR AM-50

## 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 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 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

MODEL	GPD	FOOTPRINT
AM-5	5k	4.8 x 12 x 12.5
AM-10	5k	4.8 x 16 x 12.5
AM-15	15k	4.8 x 16 x 12.5
AM-25	25k	6.8 x 16 x 12.5
AM-50	50k	8.8 x 24 x 12.5
AM-75	75k	8.8 x 28 x 12.5
AM-100	100k	12.8 x 32 x 12.5

All models designed for :  
1500 BOD reduced to 250 BOD  
250 TSS ; nil FOG  
Avg @ 70F

