



*"Meet Your  
COD/BOD Limits"*

## ***Pilot Test MBBR*** ***Aerobic Biological System***



**AUQUIX Pilot Test MBBR**

### **Pilot Test System**

**Auquix** offers complete pilot testing of water and wastewater streams for the purpose of proving its treatability. The pilot test **MBBR** system is skid mounted for easy transportation, comes with an experienced operator for set-up, trialing and the return shipment. The **MBBR** pilot is a fully scaled version of it's larger "brothers", is constructed in stainless steel and PVC wetted parts for corrosion resistance, utilizes twin VFD driven regenerative turbine blower technology and is operated with the **PEWE Control** system.

The unique technology built into the **MBBR** pilot system maximizes COD and BOD reduction while eliminating the need for RAS, lowers chemistry usage and sludge production. Pilot testing provides management with the valuable data needed for making key design and return on investment decisions.

The standard rental is for twelve weeks. Additional testing may be arranged as necessary. To schedule a pilot **MBBR** test trial, simply complete the rental agreement, select a test period and forward the advance payment.

Auquix also offers the **PEWE TM-1 DAF Pilot** system when water characteristics such as TSS and FOG require pretreatment.

### **Lab Testing**

**AUQUIX** recommends before and after lab tests be conducted on representative water samples. This testing should reflect the facilities typical daily wastewater discharges. Lab tests generally include TSS, TDS, TBOD, COD, BOD, FOG, TKN, TP and pH. Lab test costs are not included in the pilot rental.

### **Pilot Utilities**

The electrical control panel is designed for dual voltage of 480v, three phase, 60Hz, and has a 50 amp maximum current draw. Installed power is 1.5 Hp. The system has a 110v transformer installed to power the on-board DO meter, running light and 3 power outlets for the defoam system and field test accessories or lap-top. Fresh water is necessary for dilution of chemicals and final cleaning of the equipment.

### **Chemicals**

**AUQUIX** will arrange with your choice of chemical vendor to supply the appropriate type and quantities of required chemicals. Testing is suggested prior to selecting any chemical program. The cost and delivery of these chemicals are not included with the pilot rental.

### **Bio Solids**

The biological solids are removed by a simple mechanical filter. The permeate may then tested for the desired characteristics as required by the test protocol.

### **Footprint**

Footprint of MBBR: 5' wide X 8' long  
Footprint of work area: 10' wide X 12' long

