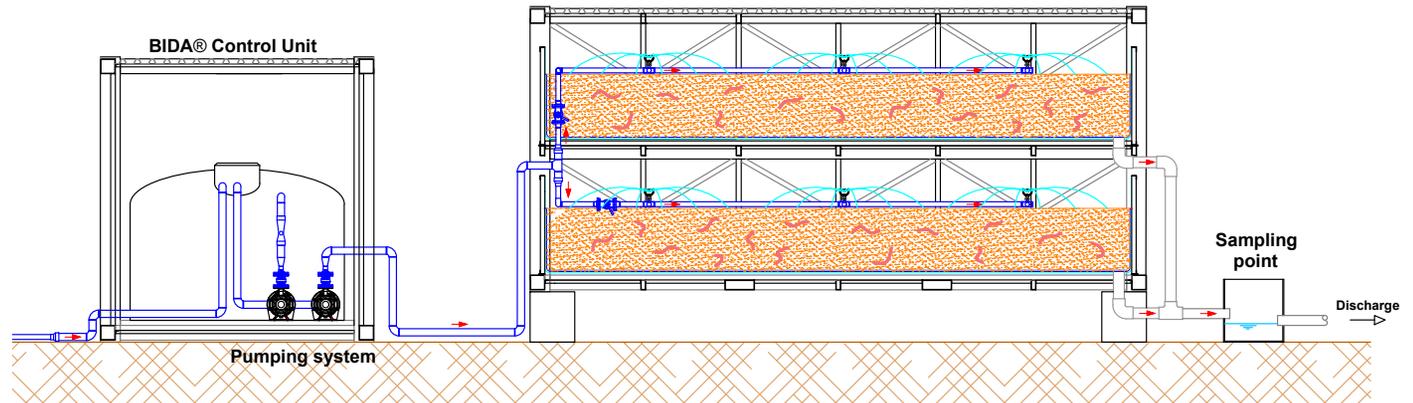


BioFiltro is proud to offer the Wiggler Room, a 20' shipping container which houses our patented biodynamic aerobic (BIDA®) technology. Providing two floors of treatment capacity, a single unit can meet the full wastewater needs of a boutique winery or be deployed as a fleet to provide modular and scalable solutions for larger wineries.

- System is passively aerated by thousands of burrowing worms who convert solids into castings, a microbial rich byproducts. And microbes which then form a robust biofilm
- Irrigation system runs entirely off of two 1/2 HP pumps, thereby minimizing energy use and maximizing savings
- Total retention time is four hours to inhibit the formation of odors
- Accompanying Control Unit provides pH adjustment, solid separation, and interactive PLC for system monitoring and control

Treatment Capacity	Varies by influent/effluent water quality, but most wineries and food processors will have a maximum daily capacity of 1,200 gallons.
Effluent Water Quality	Single Pass design targets 90%+ contaminant removal while Double Pass design targets 99%+ removal
Influent Concentrations	BOD: 200 mg/l - 35,000 mg/l; TSS 0 - 2,000 mg/L. Total Nitrogen 0 - 15,000 mg/L
Worm Castings Generation	10 cubic yards per unit every ~ 18 months.
Dimensions	Shipping dimensions are 20' L x 8' W x 9.5' H while installed dimensions are 20' L x 8' W x 10'6" H
Energy Demand	0.0007 kWh/gal = 0.84 kWh to treat 1,200 gallons per day; or \$0.16 per day if running at maximum capacity
Energy Requirement	Can use 120V Single Phase but preference is for 240V or 480V Three Phase.
Base Package	Single Pass Wiggler Room and one control unit with EQ tank, recirculation pump, pH/ORP/Temperature sensors, flow meter, probes, pumps, PLC, and motion activated camera.
Optional Add Ons	pH adjustment system, solid separator , EC sensor, double pass system, upstream solid separator, additional Wiggler Rooms

Single Pass Option



Double Pass Option

