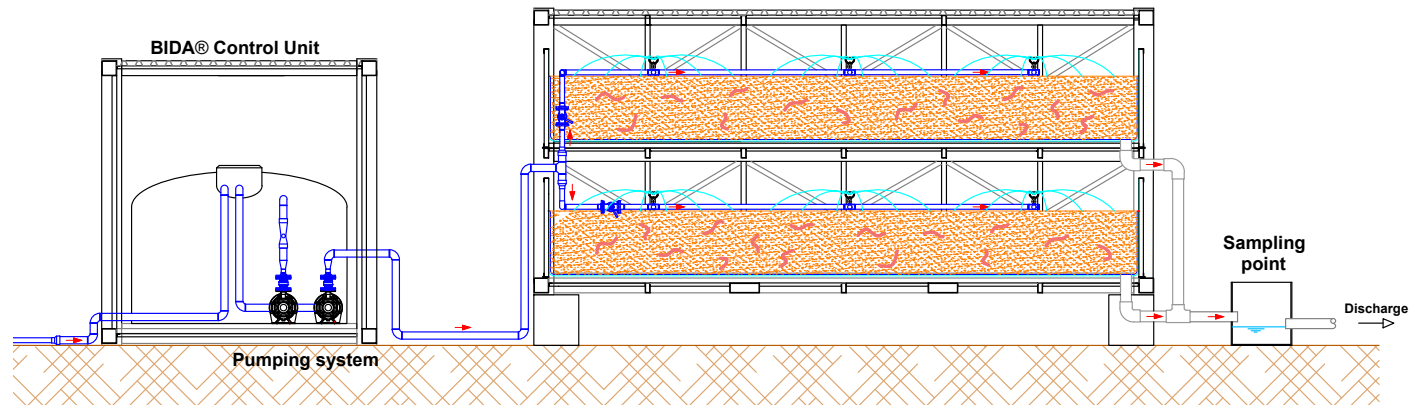


BioFiltro is proud to offer the Wiggle Room, a 20' shipping container which houses our patented biodynamic aerobic (BIDA®) technology. Providing two floors of treatment capacity, a single unit can meet the full wastewater needs of a boutique winery or be deployed as a fleet to provide modular and scalable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

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

## Single Pass Option



## Double Pass Option

