



Danio rerio



Oryzias latipes



Each **Stand-Alone System** includes an unconditional **2-year warranty** and **24/7 emergency support**.

Stand-Alone System

Features

Superior Design

- Oversized, 5-stage, state-of-the-art filtration ensures optimal water quality.
- Low water level safety shut-off and alarm with programmable logic controller (PLC) control panel.
- Pressure relief valve helps maintain consistent water flow to culture tanks.
- Heavy-duty, 316L stainless steel frame with leveling feet.

Convenience

- Filter and UV bypass allow you to service units while still running system.
- Automatic water exchange saves time and reduces labor.

Flexibility

- Four- to six-shelf systems.
- Ergonomic, autoclavable polycarbonate tanks (1.5-, 3.0- and 10.0-liter sizes), lids and baffles.



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Web: AquaticHabitats.com • Email: Habitats@AquaticEco.com

Stand-Alone System

Specifications

Water

- Culture volume 300 liters (79 gal)—222 liters (58.6 gal) as shown.*
- Zebrafish holding capacity @ 10 adult fish/liter: 3,000 fish—2,200 fish as shown.*
- Total water volume: 340 liters (90 gal)—285 liters (75 gal) as shown.*
- 6 tank water exchanges per hour.

Electrical**

- 120V/10.25 A/50 or 60 Hz.
- 240V/5.1 A/50 or 60 Hz.

Filtration

- 1st Stage: 120-micron filter pad.
- 2nd Stage: Combined moving and submerged-bed biological filtration (over 90 m² of surface area).
- 3rd Stage: 50-micron filter cartridge.
- 4th Stage: Activated carbon adsorbs volatile organics and other contaminants.
- 5th Stage: UV disinfection dose of 110 mJ/cm² at beginning of lamp life.

Other

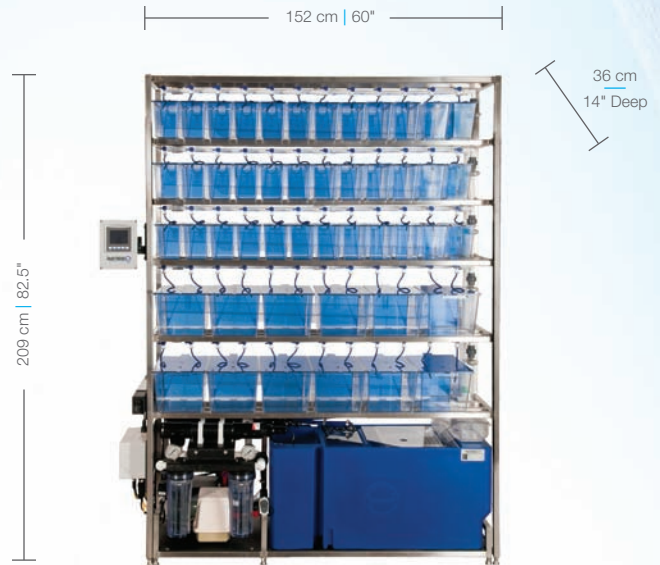
- Air diffusers provide supplemental aeration and degassing.
- 800-watt heater maintains temperature differential of 5°C.
- Weight with water: 544 kg (1,200 lbs).

Options

- YSI® 5200 automated water quality monitor/control/alarm system (see "A").
- Individual photoperiod control for each shelf.
- The Sentinel total gas pressure monitor/controller (see "B").
- Breeder tanks (see "C").
- Baby baffles for larval rearing.
- Powder-coating.

*All shelves on rack shown will hold 1.5- and 3.0-liter tanks; bottom two shelves also hold 10.0-liter tanks.

**Amp load will vary with optional equipment; 20-A quad-receptacle required to power system.



A. YSI® 5200 Water Quality Monitoring System

The YSI® 5200 RSM has set new standards for versatility and reliability. Designed for applications that require real-time monitoring, it measures dissolved oxygen, pH, ORP, conductivity, salinity and temperature! Also a controller and alarm system.



B. The Sentinel Total Dissolved Gas Monitor

The Sentinel, a state-of-the-art total dissolved gas monitoring and controlling system, will prevent gas bubble disease from interrupting your valuable studies. Continuously scans for unsafe conditions and automatically shuts down system if necessary. Can trigger local or remote alarms.



C. Breeder Tanks

Our breeder tanks are made from autoclavable, FDA-approved polycarbonate. Set up for spawning on or off system.



Total Dissolved Gas Pressure (TGP) Meter

As little as 103% TGP can be lethal. This meter provides rapid and accurate readings of TGP in mmHg or

% saturation. It also measures delta P (TGP-BP), barometric pressure (BP, in mmHg) and temperature (°C). It has simple calibration menus and easy-to-understand operational menus. Digital display has user selectable backlight. Probe includes a 5-m (16 ft) cable.



EcoSense® pH100

Measure pH and temperature (ORP requires separate probe) quickly and accurately. The electrode offset recognition function

displays electrode efficiency and indicates when to replace the pH electrode. Features include internal buffer recognition, auto/manual temperature compensation and a large LCD display that simultaneously displays pH or mV and temperature (°C only).



EcoSense® pH/Temp Pen

Easy one-hand operation—measure pH 0 to 14 with an accuracy of ± .02. Has a 50-set memory; IP67 waterproof

housing; ATC; auto-buffer recognition with 1-, 2- or 3-point calibration; and a replaceable electrode. "Hold" feature locks reading on display, which has on-screen instructions. Has a belt clip and lanyard on the back and floats if dropped in water.