

AQUANEERING INCORPORATED

Because your research depends on it

ANIMA LAB
animal facility and laboratory equipment • animal research models



SUPERIOR WATER QUALITY

PEACE OF MIND

TIME TESTED FOR OVER 30 YEARS

AQUATIC HOUSING SOLUTIONS

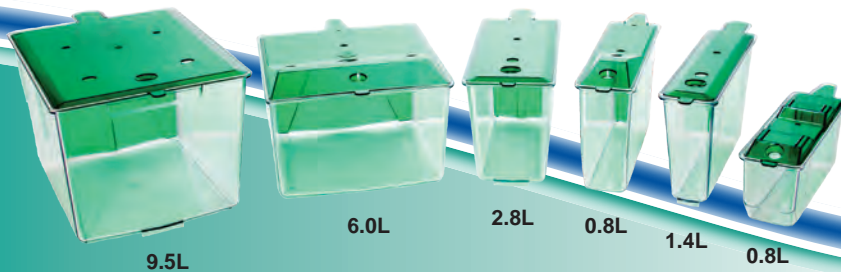
ZEBRAFISH SYSTEMS

FROM 12 TO 22,000 TANKS, WE HAVE YOUR RESEARCH NEEDS COVERED

Efficiently designed aquatic housing systems for optimal usability



- Creative lab layouts maximize your research capabilities.
- Open frame design allows maximum visibility without sacrificing structural integrity.
- Racks are constructed from T-316 stainless steel with optional powder coating.
- Water supply and drainage systems are easily removable for cleaning and maintenance.
- Water flow is precisely metered by individual valves, allowing a variety of flow rates to individual tanks.
- Drain troughs and piping are constructed from clear PVC for convenient monitoring of wastewater flows.
- See Water Quality for Central Filtration on pages 4 - 5.



SELF-CLEANING TANKS

Aquaneering offers tanks in six sizes, the largest selection of tank sizes of any manufacturer.

- Polycarbonate construction means sturdy and durable tanks.
- Stackable for space efficiency.
- Interchangeable tank sizes allow maximum flexibility.
- Self-cleaning design prevents solid debris from accumulating in the tank by forcing water to carry solids up and out of the overflow.
- Three slots in the tank allow for a baffle and fry screen, plus an extra so you can change out a fry screen without removing the existing one first.

ZEBRAFISH SYSTEMS

MINI SYSTEM FOR TEACHING

The eRack Education Rack is a convenient and compact aquatic system for the next generation of scientists, small research projects, quarantine, or isolation.

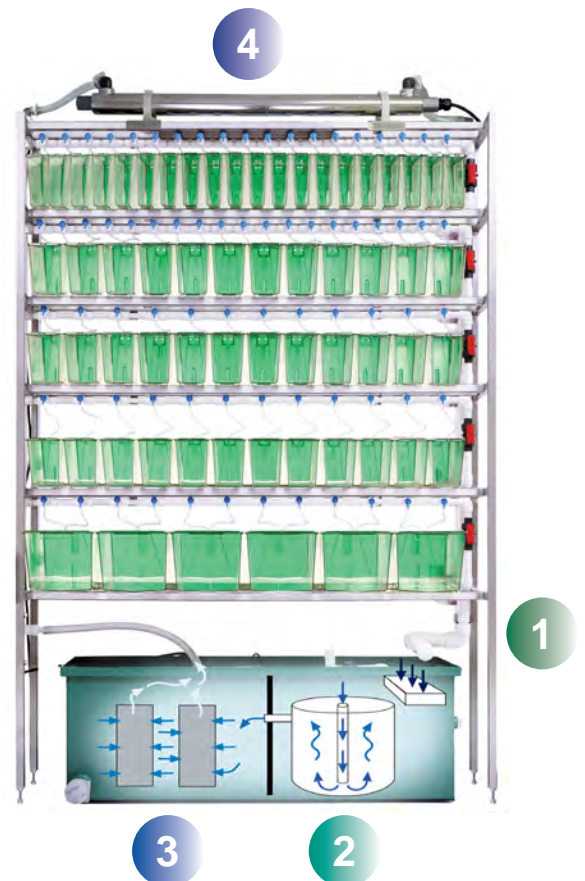
- Optimal height for classroom visibility
- Casters for portability
- Same multi-phase filtration as our full-sized stand alone systems



EASY FILTRATION FOR STAND ALONE SYSTEMS

We offer the simplest multi-phase filtration system to provide the cleanest recirculated water in the industry.

- 1 The first stage is a reusable or replaceable particulate filter which traps particles greater than 10 microns, and can be easily removed for washing or disposal.
- 2 Water is then pumped into the fluidized bed biological filter. High pressure water from the quiet and reliable submerged pump is forced into the bottom of the fluidized bed, suspending and mixing the filter media to prevent channeling and ensure full utilization of the entire surface area. Even a stand alone system's biofiltration provides several thousand square feet of surface area on which biological conversion of harmful ammonia can occur. With 10 times more surface area in the biofilter than the industry standard, the Aquaneering aquatics system boasts **undetectable levels of ammonia**.
- 3 From the biofilter, water flows into the second sump chamber, which contains a microprocessor-controlled heater to maintain a comfortable environment throughout the rack. Dual carbon filters are submerged in the second sump chamber, and a dedicated submersible pump draws water through and pressurizes the rack supply lines.
- 4 On the main supply line is an in-line ultraviolet sterilizing lamp that provides a minimum of 100,000 microwatts/second/cm² at our flow rate of six water changes per hour.



SUPERIOR WATER QUALITY

Because your research depends on it

AUTOMATIC BACKWASHING FILTER

- No consumables that you need to replace
- Long filter life with minimal maintenance
- Efficiently cleans water of solid debris

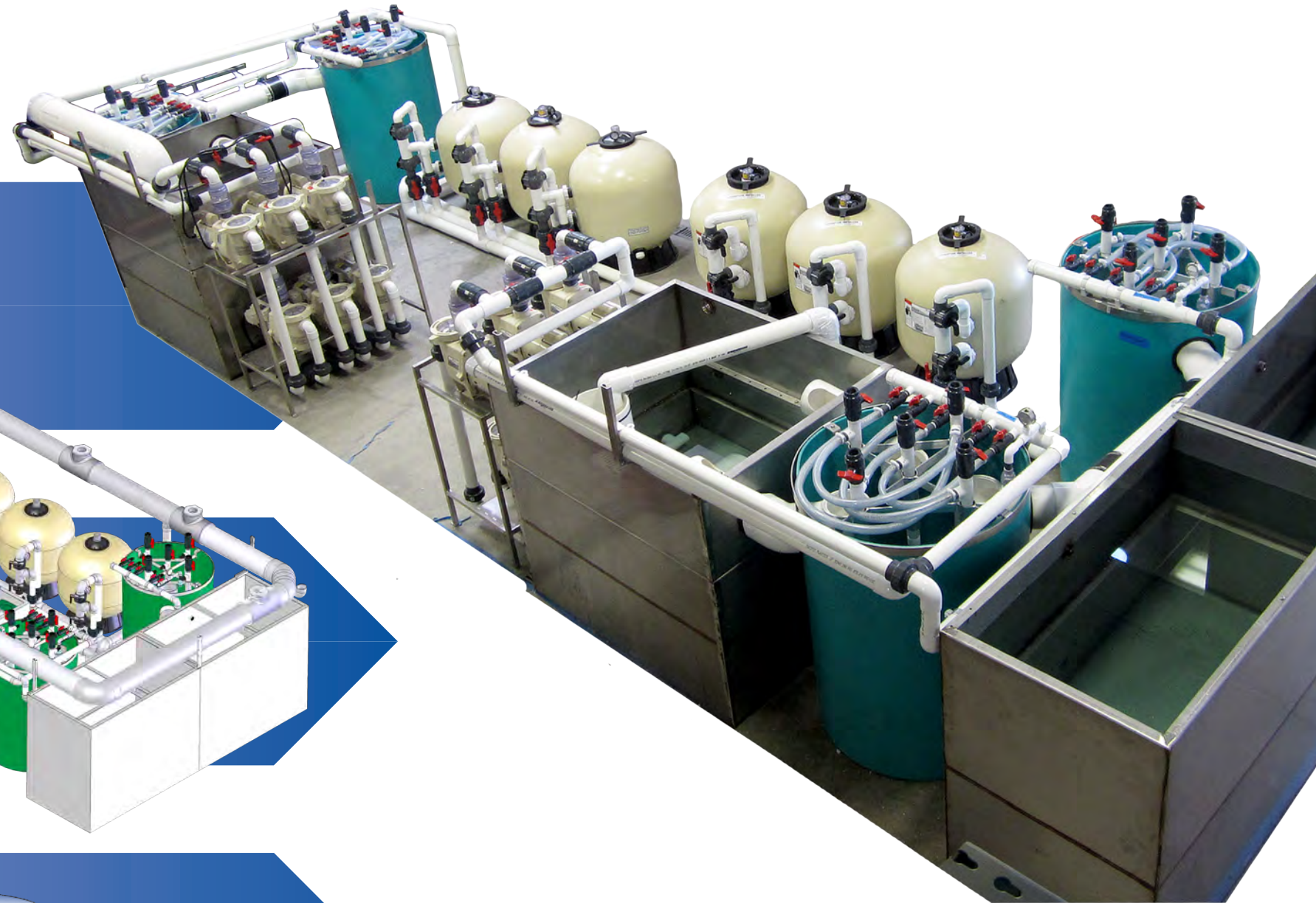
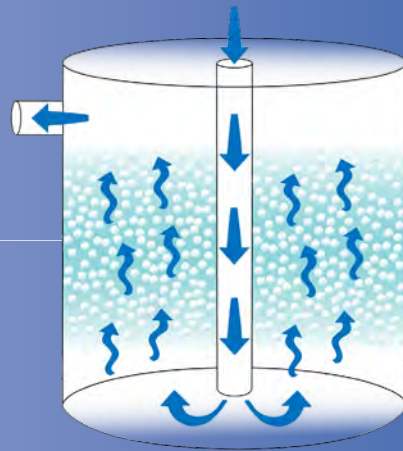
REUSABLE FILTER TRAY

- “Green” alternative to consumable filters
- Washable and reusable
- Captures solids as small as 25 microns

NO-MAINTENANCE BIOFILTER

The fluidized bed biofilter is the keystone of our filtration system, and works the hardest for the least maintenance.

- Designed to be integrated into any size system
- Produces superior water quality with undetectable levels of ammonia, ideal for live fish and crustacean husbandry.
- Degassing column for carbon dioxide stripping and oxygen saturation.



CUSTOM PLANNING AND EXPERT ADVICE

Aquaneering engineers design custom filtration systems to not only meet but exceed the needs of each multi-rack research facility.

Whether designing for existing buildings or buildings still in the planning stages, our engineers

work closely with customers and architects, ensuring the best system to help researchers achieve their goals.

Our Central Filtration facility planning allows for multi-phase implementation as your budget permits.

ACCESSORIES

WORRY-FREE MONITORING

With the Aquatouch Monitoring System, your system is in good hands when you're there and away.

- Monitor important conditions in your system, including: pH, conductivity, system water and room temperatures, water level, filter pressure, dissolved oxygen, and total gas pressure.
- Easy to use touch screen menu
- View "real time" system status from anywhere in the world via web server



- Automatically turns off system pumps and ultraviolet sterilizer in case of emergency.
- Alerts by email or text when conditions fall outside acceptable ranges



CONTROL CHEMICAL LEVELS

Automated dosing systems maintain pH and salinity at optimal levels for your animals' health.

- Automated pH and salinity controls use industrial grade meters and probes.
- Units control the pH and salinity accurately. You can easily program your desired set points.
- Chemical feed pumps are provided with the right-sized barrels for your system.

RELIABILITY FOR RESEARCH OF MANY SPECIES

More than just zebrafish, Aquaneering offers durable tanks in glass and plastic for other aquatic species, including Xenopus frogs, amphibians, stickleback, and killifish, as well as the rigorous demands of toxicology research.



Many sizes and materials available for multiple species and toxicology.

ACCESSORIES

NATURAL ENVIRONMENT, HEALTHY ANIMALS



Raise healthy animals by mimicking their natural environment with timer-programmed light cycles in light boxes and hoods. Our Dawn to Dusk Light Control gradually ramps up and down lighting.

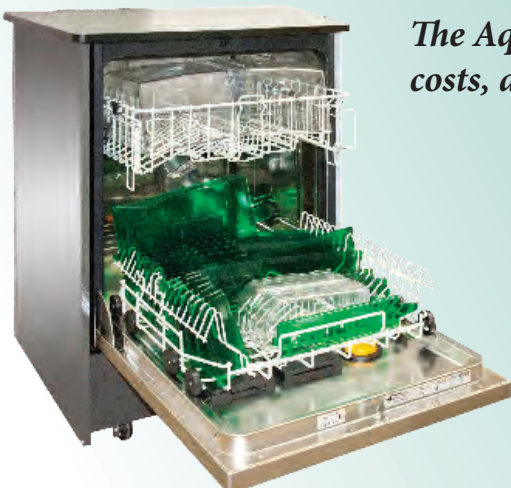


The AquaSpawner encourages reproduction by replicating the zebrafish's preferred spawning conditions. No need to separate the sexes, and the Spawner can be hooked up to the system water flow.



Nourish zebrafish by raising live feed in the Rotifer and Brine Shrimp Hatcher systems.

ECONOMIZE WATER, TIME, AND SPACE



The Aquatic Tank Washer economizes your limited lab space, water costs, and your valuable time.

- Multiple under-counter or stackable washers for a lower cost and smaller footprint than one large washer
- Run smaller loads or multiple loads simultaneously
- Efficient water economy and financial savings
- Many rack and basket solutions for your specific applications
- Use with phosphate and residue free detergent for brilliant results

WHO WE ARE

ESTABLISHED IN 1987, our products have been time-tested for **OVER 30 YEARS**.

AT AQUANEERING, WE ARE DEDICATED to supporting medical research and aquaculture and conserving aquatic species. We are committed to providing robust housing and filtration solutions for research, conservation, farming, and recreational industries. For over thirty years, we have continually improved and refined our designs to ensure the health and well-being of aquatic species so that our customers can focus on their research, because your research depends on us.

KNOWLEDGEABLE AND EXPERIENCED SALES STAFF works directly with engineering team to provide you with a system that perfectly suits your needs.

OUR DESIGN AND ENGINEERING TEAM designs standard modular systems to suit a wide range of applications, but if you need a unique system, we will work closely with you to develop the perfect custom system for your aquatic needs.

QUALITY-ASSURED MANUFACTURING: All components are inspected throughout the process, with a final inspection prior to shipment, ensuring a quality, durable system that meets our high standards and provides you with decades of reliable service. All products are US-made and all control panels are UL-approved.

EXPERT INSTALL TEAM will get your new system up and running to your utmost satisfaction. We will instruct your personnel on the operation and maintenance of your new system. This is just another personal touch that sets Aquaneering apart.

ALL AQUANEERING AQUATIC HOUSING SYSTEMS ARE PROUDLY MANUFACTURED IN THE USA.

PREVENTATIVE MAINTENANCE
Keeps your system running smoothly.

WARRANTY
We stand 100% behind every product.

24 HOUR TECHNICAL SUPPORT
to answer questions and help with any problems.

AQUANEERING
INCORPORATED

*The largest manufacturer of aquatic housing systems with installations worldwide
Since 1987*

Contact our distributor

ANIMA LAB
animal facility and laboratory equipment • animal research models

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