

AQUANEERING

Xenopus Aquatic Housing Systems

- One-step Cleaning, Flushing and Water Changing
- Unique, Double-sloped Self-cleaning Tanks
- Removable Standpipe
- Four-stage Filtration System with No-Maintenance Biofilter
- Removable Plastic Tanks Clear or Translucent
- Sturdy Full Welded Stainless Steel Rack



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Superior Water Quality . . . Because Your Research Depends on it

www.aquaneering.com

Xenopus Aquatic Housing Systems

FEATURES

Tanks

- 16 liter recovery tanks
 - removable
 - clear polycarbonate for observation
 - self flushing design
 - high velocity flush for solids removal
- 50 liter holding tanks
 - removable
 - clear PETG or translucent white
 - continual siphon action
 - manual flush control
 - adjustable water level



Clear holding tanks
(optional)



Translucent holding tanks

Rack

- Full welded type 316L Stainless Steel
- Tier- and tank-level valves for precise flow control
- Stainless steel casters with polyolefin wheels

Filter System

- Four-stage filter
 - Dacron pad particulate filter
 - Fluidized bed biological filter
1500 sq. ft. biofilm surface
 - Carbon finishing filters
 - UV sterilizing lamp
100,000 microwatt/second/sq.cm.
- Rotationally molded polyethylene sump tank on stainless steel casters
- Quiet dual submerged pumps 6 gal./minute

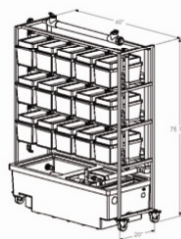
The AQUANEERING Xenopus Aquatic Housing System offers new levels of water quality and user friendly features for Xenopus Frog research.

Our unique, flow-through self-cleaning tanks siphon solids from the tank bottom, and feature manual drain controls to adjust water levels without disturbing the occupants. The double-sloped tank bottom concentrates waste in the center tank depression, and with one pull of the standpipe all waste water is flushed in about 30 seconds. The waste water then enters our four-stage filtration system.

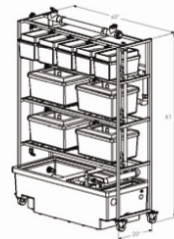
First, a disposable Dacron pad removes large particulate at the entrance to the sump tank. Water is then forced into the bottom of our no maintenance fluidized bed biofilter, where over 200 strains of beneficial bacteria reside, to convert ammonia and other waste material to inert nitrates. This waste-free water is then drawn through carbon finishing filters, and sent through a sterilizing Ultra-Violet lamp. Water leaving the holding tanks cascades through an open piping system, aerating the water and preventing dissolved gas saturation.

Water changing is automatic as excess water from draining the tanks overflows the sump and goes down the drain as the float valve automatically maintains the proper water level. One easy step cleans the system tanks, flushes the system and changes the water.

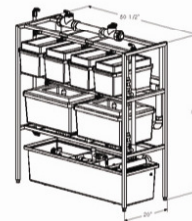
Complete, stand-alone recirculating systems are available in several different configurations. Large, custom installations with centralized filtration systems are available upon request.



XS360-01



XS360-02



XT250

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