

AQUANEERING

# Xenopus Aquatic Housing

- *Optional casters support Self-contained system with sump and filtration*
- *One-step cleaning, Flushing and Water Changing*
- *Unique, Double-sloped Self-Cleaning Tanks*
- *Lids slide back on Tanks without removing water inflow tube*
- *Removable Standpipe*
- *Four-stage Filtration System with No-maintenance Biofilter*
- *Removable Plastic Tanks Clear or Translucent*
- *Sturdy Full Welded Stainless Steel Rack*



**AQUANEERING**  
INCORPORATED

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

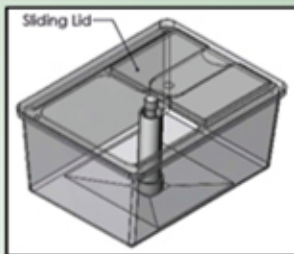
[www.aquaneering.com](http://www.aquaneering.com)

# Xenopus Aquatic Housing Systems

## FEATURES

### Tanks

- 2 Tank Sizes: 21 and 50 Liter
  - Removable
  - Clear PETG or translucent white
  - Continual siphon action
  - Manual flush control
  - Adjustable water level
  - Sliding lid for easy access to animals



Clear holding tanks with sliding lid

### Rack

- Full welded type 316L Stainless Steel
- Tier and tank-level valves for precise flow control

### Filter System

- Four-stage filter
  - Dacron pad particulate filter
  - Fluidized bed biological filter
  - 1500 sq.ft. biofilm surface
  - Carbon finishing filters
  - UV sterilizer lamp
  - 100,000 microwatt/second/sq.cm.
- Quiet dual submerged pumps 6 gal./minute

### Optional Casters

- Rack and Sump can be mounted on stainless steel heavy duty, low profile cart.
- Quick disconnect water supply hookup
- Possible to move rack when full for easy cleaning

*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.***

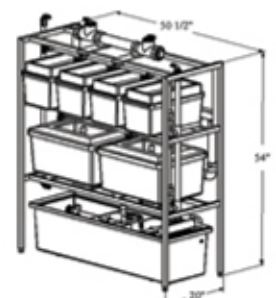
Complete, stand-alone recirculating systems are available in several different configurations. Large, custom installations with centralized filtration systems are available upon request.



XS360-521-650



XS360-950



XS250-421-250

*Many custom configurations available.*

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