

# AQUATIC ANIMAL HEALTH IS OUR PRIORITY



## FEATURES

- » Available in three or four shelf configurations.
- » Available in stand-alone, flow-through, and multi-rack configurations with a centralized life support system
- » Powder coated aluminum or stainless steel rack options
- » FDA approved 16-liter and 23-liter polycarbonate tanks. Tanks feature our “flush and flood” tank siphon drain mechanism for superior solids removal. Dual standpipe drain design is made of clear PVC for visual inspection of any fouling over time.
- » Tanks are positioned on a solid shelf and drain into a drainage manifold. Solid shelf provides improved biosecurity and reduced tank algal growth
- » Five stage filtration system
  - Mechanical pre-filter
  - Zero maintenance, oversized moving bed biofilter
  - Large capacity 12 ft<sup>2</sup> 50-micron cartridge filter (1-2 week exchange)
  - Large capacity 3 lbs. activated carbon filter (3-4 week exchange)
  - UV disinfection rate of 110 mJ/cm<sup>2</sup> at 12-month end of lamp life. UV mounted on side of rack for easy access
  - Iwaki MD series magnetic drive pump - quiet, virtually vibration-free, produces minimal heat
  - All components are supported by the rack above the laboratory floor for ease of cleaning
- » Filtration and UV bypass so system can be serviced while running
- » Walchem’s W600 life support controller with pH, conductivity, temperature probes in flow cell. Walchem probes are industrial grade and only require calibration every three months. System includes level sensor and flow sensor for safety and shut-down of electrical components in the event of a low water or low flow situation. Option for dissolved oxygen or total dissolved gas probes.
- » Monitor or control your system locally or remotely (via any internet ready device)
- » Chart and graph water quality parameters over time
- » Life support controller sends email or SMS text alerts when parameters are out of range
- » pH and conductivity dosing system with precision Iwaki metering pumps and large capacity dosing solution reservoirs (3-4 week refill).
- » Option for 7” color touchscreen with control of all parameters on one easy-to-use screen
- » Programmable automatic water exchange
- » System plumbing is designed with unions in strategic locations so the entire system can be disassembled for cleaning
- » Chilling and Heating options
- » Systems are designed to support up to 1 adult *Xenopus laevis* per 3.0 liters or 1 adult *Xenopus tropicalis* per 0.75 liters



24-month warranty from delivery/installation

## WALCHEM

IWAKI America Inc.

Walchem, Iwaki America Inc. is a leading manufacturer of on-line analytical instruments and electronic metering pumps. Walchem provides innovative solutions by integrating sensors, fluid handling and extensive remote data communications technologies.

The W600 series life support controller provides reliable, flexible and powerful control for your aquatic system.

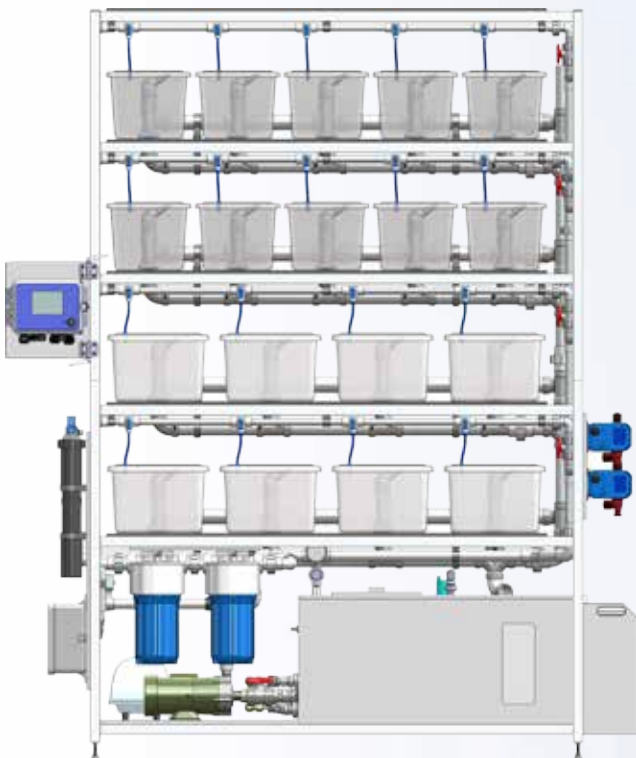
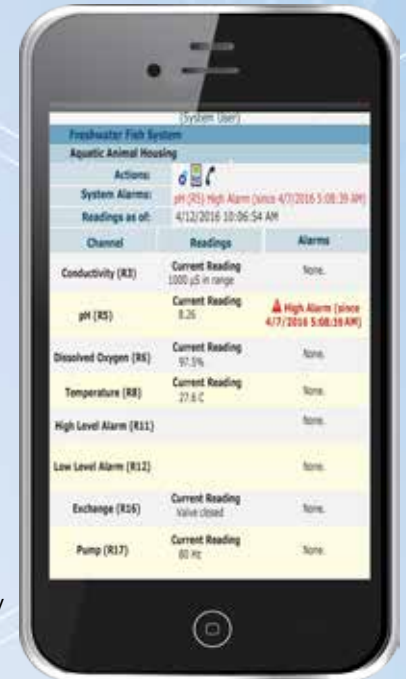
## CONTROLLER BENEFITS

### REMOTE CHECK AND CHANGE

- » Walchem controllers have communications capabilities that allow you to monitor and change your system parameters anytime from ANYWHERE in the world with just a web browser.

### ON-LINE MULTIPLE ACCOUNT MANAGEMENT WITH VTOUCH®

- » On-line summary of account status - Water quality values continuously updated including past 24 hour min, max & average values, as well as alarm status
- » One-click VT LiveConnect™ to any device in the field for full analysis, troubleshooting & adjustments
- » Seamlessly integrate controllers within different facilities on one screen - remotely or via desktop:
  - » Remote checking reduces staff time
  - » Save on costly visits to your facility



## SPECIFICATIONS

- » Tank Holding Volume, Total System Volume, Capacities
  - With [20] 16L (15.5L net vol.) tanks - 310 liters, 510 liters, ~103 adult *Xenopus laevis* capacity at 1 adult/3.0L, ~413 adult *Xenopus tropicalis* capacity at 1 adult/0.75L
  - With [16] 23L (22.5L net vol.) tanks - 360 liters, 560 liters, ~120 adult *Xenopus laevis* capacity at 1 adult/3.0L, ~480 adult *Xenopus tropicalis* capacity at 1 adult/0.75L
- » Dimensions and Weights
  - 24" x 79" x 92"H, 1,550 lbs. operating weight
- » Electrical
  - 120V/15A/60Hz
  - 240V/7.5A/50Hz

Have questions? Send us an email: [gofish@iwakiaquatic.com](mailto:gofish@iwakiaquatic.com)  
We'd love the opportunity to discuss your project!