

ITS-C CEPHALOPOD SYSTEM

Featuring Constant Flow Technology and
Advanced Iwaki Aquatic Pump Systems for Precision + Reliability



Benefits of the ITS-C System

Designed by Iwaki Aquatic and Marine Biological Laboratory specifically for optimizing cephalopod husbandry and flexibility within an aquaria rack system.

Structural fiberglass (FRP) rack with leveling feet options.

System designed to exclude metals when possible for optimal longevity in a salt water environment.

Designed specifically for cephalopods, but ideal for any other small/medium salt water research organism that 2, 4.5, 9, and 16L tanks would be suitable for.

Available in stand-alone, flow-through and multi-rack configurations.

Dual, speed-controlled Iwaki Aquatic magnetic drive pumps for minimal noise, vibration, and constant flow technology. The pumps speed up to maintain low as the filters accumulate debris.

Open shelving provides easy access to tanks, water, feed and drain manifolds.

Titanium chiller and heater options.



The only commercially available FRP rack system that will not deteriorate over time with seawater

Filtration System

2ft³ oversized moving bed biofilter

HDPE UV unit

Protein skimmer in sump

Large capacity 50-micron cartridge filter

Activated carbon filter

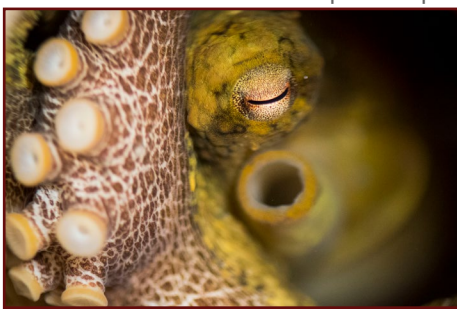
200 micron reusable filter bags

Denitrification filter

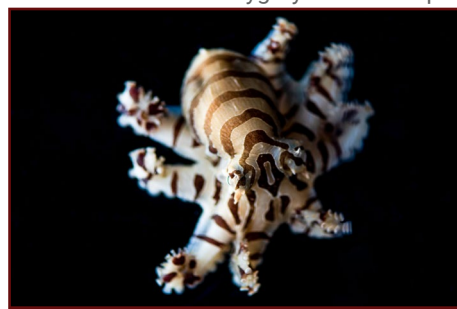


Easy access to all components including UV, titanium heater, pumps and web enabled controller

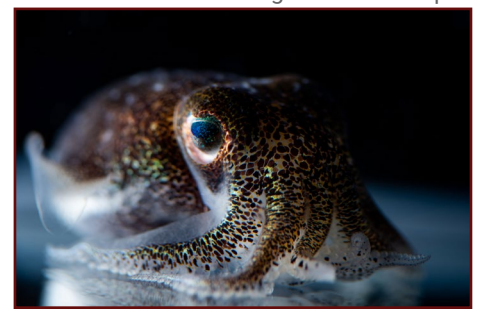
Two-Spot Octopus



Pygmy Zebra Octopus



Hummingbird Bobtail Squid



Innovative Tank Design

Two tank styles on one rack system

2L, 4.5L and 9L with baffle design and locking lids

16L with standpipe drain and overflow side wall drain

Aeration options for tanks

Micron sized external standpipes or tank screens available in 400, 600, 700 and 1000 microns



2 Liter



4.5 Liter



9 Liter



16 Liter

16L can be used on the bottom 2 racks levels

Iwaki Aquatic Life Support Controller

Easy to use color touch screen with intuitive navigation menu.

Monitor and control your system remotely using any internet-ready device through our powerful cloud-based software platform, with support for both WiFi and Ethernet connectivity. Receive instant email or SMS text alerts when system parameters fall outside of your defined range.

Chart/graph water quality parameters over time. Up to 90 days with 15 minute sampling intervals.

Standard with pH, temperature, conductivity sensors and dosing control. Options for TDGP, DO, and other sensors available.

System includes level and flow sensors for safety and shut-down of electrical components in the event of a low water or low flow situation.



Specifications

ITS-C Five Shelf System

Tank Options	2 Liter	4.5 Liter	9 Liter	16 Liter
Tank Quantity	16	16	4	5
Total System Volume (Liters)	360			
Total Tank Volume (Liters)	220			
UV Dose Rate	5			
Mechanical Filter, 50 Micron	1.3 M ² surfact area			
Activated Carbon Filter	2.5" x 10" filter			
Denitrification Filter	2.5" x 10" filter			
Total Tank Volume (Liters)	320	344	368	360
System Dimensions Centimeters	Width		Depth	Height
	193		61	241
System Dimensions Inches	Width		Depth	Height
	76		24	95
Operating Weight with all Larger Tanks	690 Kg, 1,521 Lbs			



Aquatic Expertise. Exceptional Service.

Iwaki Aquatic was established as a division of Iwaki America in 2016 to support the aquatic research community. Iwaki Aquatic's mission is to build quality aquatic research systems that are extremely reliable and easy to both use and maintain. Our 60+ years of experience in designing and building controllers and pumps for global water treatment applications, position us as the leader in both technology and value. Our aquatic team includes aquaculture specialists, biologists, engineers and customer service experts with many years of experience supporting aquatic research systems. We have worked closely with the Marine Biological Laboratory Cephalopod Program to create this ideal system for cephalopods. Please contact us to learn more about the system, features, and how we can help with your project.



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