

INCUBRAS



GROUNDBREAKING RAS
HATCHERY SYSTEMS BY:



overview

Jointly developed by MAP and AST, the INCUBRAS innovative & patented recirculation aquaculture system serves as a crucial part of our “bio-corridors” approach. Each cohort of collected eggs is disinfected, creating a “firewall” strategy for preventing vertical transmission of disease.

advantage

INCUBRAS are built for easy and resilient operations. They are collapsible and modular which allows easy relocation and phased growth.



The INCUBRAS supports a dozen 6.9-liter McDonnell Jars in a closed recirculating format with a total system volume of 220 gallons.

HIGHLIGHTS

The unit is supported by a 3 cubic foot patented Bubble Bead® bio clarifier that provides both solids capture and biofiltration.

A low energy 1/8 horsepower Iron Might centrifugal pump circulates up to thirty gallons per minute through a 40 Watt UV disinfecting the system water every 8 minutes.

Excess water flows into a constant head system that maintains a fixed head to all hatching jars irrespective of individual jar settings.

Fry are discharged into 4-gallon removable polyethylene totes for the yolk sac absorption stage. The slotted tote outflows are height adjustable to reduce tote weight for fry removal.

The system is designed for a water reuse rate of about 1 month under heavy loading with a backwash interval of once a week.



- Low Energy
- Low Water Loss
- Air Operated
- UV disinfection
- AST PATENTED beadfilter
- Automatic backwash
- Removable absorption tanks
- Heating system
- Flow stabilization system
- Energy efficient
- Independent and biosecure
- Modular and scalable
- Aluminum frame
- Made in the USA

FEATURES



key facts

- Low energy 1/8 hp
- Fully automated operation
- No moving parts for greater reliability

easy to operate

- Suitable for airlift or pump configuration
- Low maintenance
- Optional auto-purging sludge concentrator

filtration

- Mechanical and biological filtration in one unit
- No media replacement necessary
- Auto-pneumatic backwash

S P E C I F I C A T I O N S

- **Dimensions:** 62"X112"X70" (157x284x177 cm)
- **Filter Model:** BBF-XS6000 (3 ft³)
- **Pump Model:** Iron Might (1/8 hp)
- **UV Disinfection:** AST-40W (40 Watt)
- **System Flow Rate:** 30 GPM
- **McDonald Hatching Jar:** 6.9 L (Qty 12)
- **Eggs production capacity:** 500k - 1M eggs per week
- **Fry Catch Basins:** 4-Gal Polyethylene Totes
- **Bulk Water Volume Sump:** 110-Gal Polyethylene Tank
- **Total System Volume (Total):** 220 Gal