

Broodstock System



As part of any selective breeding program, the housing of mature broodstock is of primary importance. These artificial environments must best replicate a mature broodstock's seabed surroundings and reduce any unnatural stress on the animals.

Our state-of-the-art units are vertically stacked for maximum space efficiency and each system can be supplied with an additional separate marine Recirculating Aquaculture System (RAS) that we've designed with Tropical Marine Systems for fully controlled biosecurity. These systems can be fitted with an additional water heater/chiller for full climate control and paired with Tropical Marine Systems ground-breaking light/photoperiod manipulation system, this enables our users to extend the larval season by increasing or decreasing egg incubation times for better stock management.

Our broodstock systems are designed for three female broodstock lobsters, with independent air systems and larval flow-over outflows that can be configured using our hatched larvae transfer equipment. This minimises transfer damage to larvae when stocking into our larval collection systems. All systems come complete with all connecting pipework and are fully compartmentalised to allow for individual component removal, cleaning and replacement.

Features

- Ability to collect larvae from individual broodstock if required
- Sloped floor in each broodstock chamber to facilitate self-cleaning
- Manufactured from black, embossed polypropylene
- 1.5" outlet (PVC-U) that can be configured to collect larvae from individual broodstock by connecting an alternate larval collection line to the users larval collecting cone
- 2" inlet (PVC-U), with a $\frac{3}{4}$ " fine controllable tap for setting individual flow rates
- All inlet and aeration pipe-work rest in individual grooves at the back of each broodstock system
- Each individual broodstock chamber is fitted with a corner channel protecting the integrity of your air stone and airline

Available separately

- Can be fitted with a base stand allowing the outlet water from the lowest stacked broodstock unit to flow under gravity back to our customised TMC marine recirculating systems
- Lighting system developed by Tropical Marine Systems to help facilitate extended breeding conditions when more than one broodstock population is held
- It is highly recommended that the lighting system is paired with a water heater/chiller for thermal manipulation
- Self-cleaning fittings for each outlet
- Larval transfer device 90L collecting cone
- Aerators (100L/hour)

Dimensions

- Each broodstock unit comprises of three livestock chambers: 1200 mm (L) x 600mm (H) x 580mm (D)
- Total water volume per broodstock unit: 231 L (61 US Gal)
- Water volume per individual livestock chamber: 77 L (20 US Gal)

Product Number	Group	Product	Optimum system volume (L)	Main material of filtration equipment	Approx. Total Current Draw (A)	Approx. Shipping Weight (kg)
BS00001	Sy	Broodstock System	231	Polypropylene	NR	On Application