

Red Sea Reef Systems

The Ultimate Reef Keeping Experience



Red Sea MAX[®]

Complete Plug & Play[®] Coral Reef Systems



The MAX[®] Concept

In the ocean, healthy coral reefs flourish only where specific natural conditions prevail, such as sufficient light, adequate current, stable temperature and water clarity. The Red Sea MAX[®] system provides these conditions, allowing you to keep a thriving, healthy reef aquarium in your own home.

MAX[®] is a true REEF-SPEC[®] system, taking away the worry and cost of retro-fitting additional equipment in order to achieve your desired results. It also guarantees the complete compatibility of the components built in to the aquarium. Therefore, your time can be spent enjoying the fish and corals living in your aquarium, while being reassured by the knowledge that the MAX[®] system is providing the conditions required for the long term success of your own piece of living coral reef.

Behind every MAX[®] aquarium is the guarantee that the entire system has been designed, and is fully supported, by Red Sea, a market leader in the development of coral reef systems and reef care products.

Creating Reef Conditions in your aquarium

The Red Sea MAX[®] REEF-SPEC[®] is the result of years of research into the sustainable growth of all corals including the most delicate "SPS" corals in an artificial reef environment and forms the base specification in the design of all MAX[®] complete coral reef systems.



Red Sea MAX® True REEF-SPEC® Specifications for a successful reef



REEF-SPEC® LIGHTING

Current research into the photobiology of corals has provided new insights into the definition of Reef-Spec lighting and is the basis for the lighting configurations used in all MAX® aquarium systems.

Based on Red Sea's research, the optimal light for sustainable coral growth in MAX® reef systems (including the most demanding SPS coral species) has a PUR (Photosynthetic Utilized Radiation) value of approximately 400 micromoles per square meter per second at the water surface.

The PUR is a combination of the relevant wavelengths required for zooxanthellae photosynthesis, in combination with full visible spectrum (400-700nm) PAR readings.

The ideal PUR is achieved by providing the optimal light spectrum distribution and an optimal irradiance of photon flux (intensity and polarization of the light) during the daily photoperiod.

All these factors have a significant impact on the photobiology of corals and therefore can only be considered as a whole and not by their individual parts.

The all-new AI Hydra 26 HD & Prime HD units integrated into the MAX® systems provide the correct lighting to facilitate strong growth of even the most delicate SPS corals.

REEF-SPEC® FILTRATION

The heart of the Red Sea MAX® filtration is the protein skimmer, which removes the vast majority of the waste produced by the aquarium inhabitants, as well as thoroughly oxygenating the water.

Red Sea defines a REEF-SPEC® skimmer as being one which will pass the aquarium's water volume through the skimmer 3 times per hour, and with an air:water ratio of 1:3. This skimmer specification sets MAX® filtration apart from other systems and is necessary in order to provide the water quality required by delicate SPS corals. In addition, all MAX® systems are equipped with full size mechanical and chemical filtration.

REEF-SPEC® CIRCULATION

Sufficient water flow is crucial to provide corals and other sessile invertebrates with the nutrients and minerals (e.g. calcium) necessary for growth. Turbulence of the water surface is necessary to prevent the accumulation of a bio-film that reduces both light penetration and efficient gas exchange.

Red Sea's REEF-SPEC® circulation defines a required turnover of 10-15 times per hour of the total water volume. Accordingly, MAX® systems are equipped with a full-size surface skimmer and powerful circulation pumps, all housed discreetly within the design ensuring the beauty of the aquarium is not compromised.



Red Sea MAX[®] NANO

Complete Plug & Play[®] Open Top Reef Systems

Fully Featured REEF-SPEC[®] open top 75 liter (20 gal) reef aquarium

Contemporary, rimless design with state-of-the-art reef technology that supports even the most delicate SPS corals.

The fully-featured REEF-SPEC[®] MAX[®] NANO provides everything necessary to enjoy the beauty and diversity of your own piece of thriving coral reef with all of the features developed for the largest of the MAX[®] range of complete reef aquarium systems.

MAX[®] NANO includes the all new Prime HD LED lighting with Wi-Fi control, REEF-SPEC[®] filtration and circulation systems, and includes an Automatic Top-Off with RO reservoir.

Setting up and maintaining a NANO reef or marine system has never been easier!

MARINE-SPEC Cabinet

The MAX[®] NANO is available with an optional black or white marine-spec laminate cabinet fronted with weatherproof epoxy painted doors.

Color Choice



Black



White



MAX[®] NANO

MAX[®] NANO

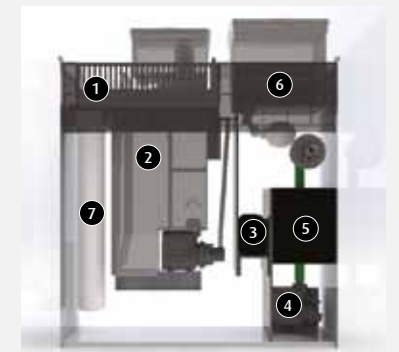
MAX[®] NANO Configuration

The MAX[®] NANO is a 45cm (18") rimless cube constructed from Ultra-Clear glass with smart beveled edges giving the ultimate viewing experience. The rear of the aquarium houses a fully equipped rear sump, with all of the equipment hidden from view by a rotatable/removable screen. A constant water level is maintained in the system by the built-in ATO with a RO reservoir sufficient for approximately 3 days of evaporation. Feeding is made easy with the conveniently located switches for the skimmer and circulation pumps.

REEF-SPEC[®] Filtration and circulation

- ✓ REEF-SPEC[®] NANO protein skimmer - Consuming just 5W this newly developed Nano skimmer pump is both cool-running and virtually silent.
- ✓ 950 l/h (240g/h) Eco pump - Provides a positive water flow throughout the entire aquarium and circulates the entire water volume 12 times an hour through the filter system.
- ✓ Surface skimmer - Removable for easy cleaning, the Pat pending design directs all of the surface water directly through the micron filter bag.
- ✓ Mechanical Filtration - 225 micron filter bag, REEF-SPEC[®] activated carbon, coarse sponge bubble-trap.

1. Detachable Surface Skimmer
2. Protein Skimmer
3. Carbon
4. Circulation Pump
5. Bubble trap sponge
6. Automatic Top Up
7. Micron Filter Bag



MAX[®] NANO Features

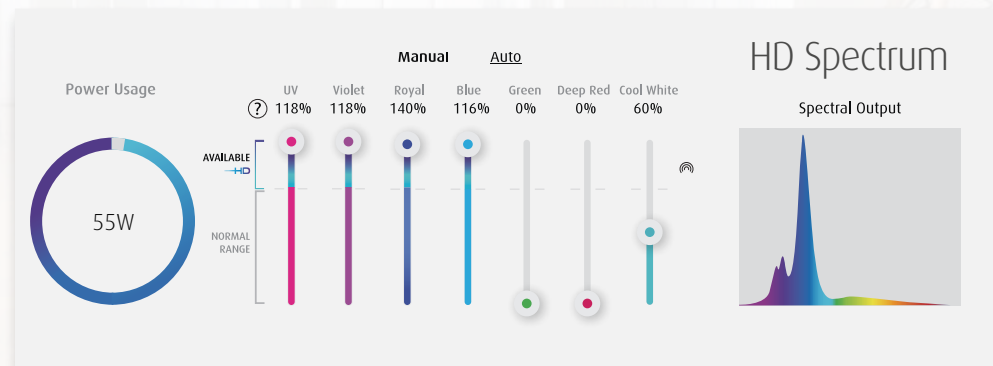
- ✓ 45cm (18") rimless cube constructed from Ultra-Clear glass
- ✓ Prime HD LED lighting with Wi-Fi control
- ✓ Fully equipped rear sump with REEF-SPEC[®] filtration and circulation systems
- ✓ Automatic Top-Off with RO reservoir
- ✓ Conveniently located on/off switches for the skimmer and circulation pumps

Advanced LED Lighting system with integrated WiFi

The MAX[®] NANO incorporates the all-new Prime HD LED unit, providing 55W of LED lighting in a full spectrum, 7 color configuration with a revolutionary power maximizing system that dynamically redistributes the available power between the various colors for any given color spectrum.

The lighting is fully controllable via built-in WiFi which is compatible with iOS/Android devices and WiFi enabled Mac/PC.

The LED unit is firmly bolted to the aquarium and can be rotated to give easy access to the rear sump for all of regular maintenance requirements or for reefscaping.



* Patent Pending



Red Sea MAX[®] E-Series 170 | 260

Complete Plug & Play[®] Open Top Reef Systems

Fully Featured REEF-SPEC[®] Open Top Reef Aquariums

The MAX[®] E-series combines a contemporary, rimless design with state of the art technology.

The fully-featured REEF-SPEC[®] MAX[®]-E system provides everything necessary in order to enable you to enjoy the beauty and diversity of your own piece of thriving coral reef, rather than worrying about component selection, suitability and compatibility.

The E-Series features the very latest in reef-keeping technology including the Hydra 26[™] HD LED lighting with WiFi control, Reef Spec filtration and circulation systems, a modular sump system and a one-plug control panel.

Selecting a Red Sea MAX[®] E-Series makes reef-keeping easier than ever before.



MAX[®] E-170



MAX[®] E-260

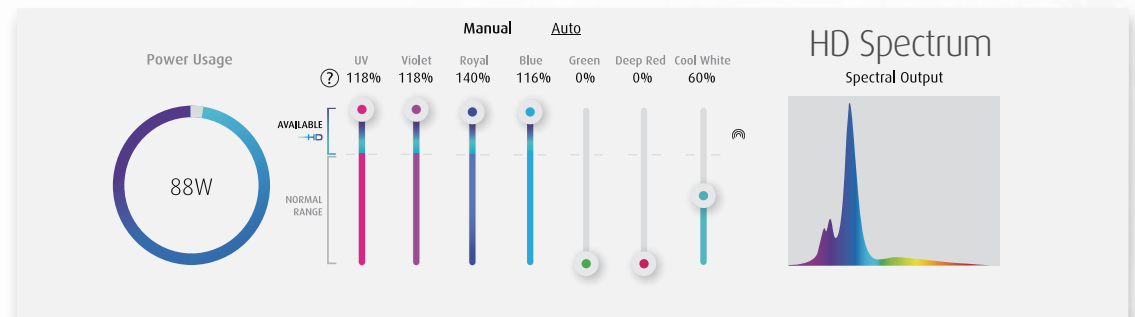
Advanced LED Lighting system with integrated WiFi

The MAX[®] E-Series incorporate the all-new Hydra 26[™] HD LED lighting, providing the most up to date LED technology to give superb performance and a remarkably user-friendly interface.

The Hydra 26[™] HD unit offers a full spectrum, 7 colour LED configuration giving great colour rendition and a multitude of lighting effects.

The revolutionary control system dynamically adjusts the power available to each colour by utilizing power not being used by other colours, effectively enabling selected channels to be 'boosted' to above 100% output. The lighting is fully controllable via a built-in WiFi which is compatible with iOS and Android devices and with any WiFi-enabled Mac or PC.

At only 90w power consumption per Hydra 26 HD, the MAX[®]-E achieves excellent performance at a fraction of the running costs of using traditional T5 Fluorescent lighting.



Modular Sump system

Dual sump options for total flexibility. The MAX[®] E-Series feature a unique sump system, enabling simple conversion of the integrated rear sump into a fully operational stand alone in-cabinet sump.

Start your reef with the built-in rear sump that houses the complete REEF-SPEC[®] filtration and circulation systems. If you decide to add additional equipment such as a calcium reactor, the modular filtration system can easily be expanded by installing an optional Red Sea in-cabinet sump.

Red Sea's unique overflow system, with its fully regulated silent-flow downpipe (as used in the top-of-the-range S-Series), easily connects to the integrated multiport bulkhead without the need for any cutting, gluing or emptying of the entire aquarium.

The optional sump conversion kit includes a customized glass sump with a dedicated constant height skimmer chamber, a flow-regulated overflow system and an integrated automatic top up.

Main REEF-SPEC® Features MAX® E-170

The MAX® E-170 is a fully featured 170 liter (45 gallon) open top REEF-SPEC® system, making it the ideal choice for setting an advanced thriving reef in a limited space.

- ✓ LED lighting – single unit Hydra 26 HD (90W)
- ✓ REEF-SPEC® filtration including a professional MSK-900 adjustable protein skimmer 250 lph (66 gph) air
- ✓ REEF-SPEC® circulation of 2150 lph/570 gph supplied by 1 X 2150 lph/570gph submersed professional eco pumps

Main REEF-SPEC® Features MAX® E-260

The ultimate open top 260 liter (69 gallon) fully featured REEF-SPEC® system. The elegant look and high specification make this the perfect choice for anyone seeking a mid-size reef aquarium.

- ✓ LED lighting – Twin units Hydra 26 HD units (180W)
- ✓ REEF-SPEC® filtration including a professional MSK-900 adjustable protein skimmer 250 lph (66 gph) air
- ✓ REEF-SPEC® circulation of 4300 lph/1140 gph supplied by 2 X 2150 lph/570gph submersed professional eco pumps



Integrated Power Center

The MAX® E-Series incorporates the one-plug MAX® concept and feature a power center with easy access to 7 individually switched power sockets for all system electrical sub-components. The power center is conveniently located in the cabinet and enables safe and easy control of all of the MAX® sub-systems.

Color Choice



Black



White



Red Sea MAX[®] S-Series 400 | 500 | 650

Ultimate Full Size Plug & Play[®] Coral Reef Systems

Fully Featured Reef Aquariums Up to 650 Litres

Owning a thriving piece of coral reef has never been easier than with Red Sea's MAX[®] S-Series range of aquariums.

Carefully designed to support even the most delicate stony (SPS) corals, the MAX[®] S-Series seamlessly integrates all of the necessary systems and components with contemporary style.

Elegance and durability combined

MAX[®] S-Series aquariums are constructed from 12-15mm ultra clear (low iron) glass supported by saltwater resistant plastics and a marine spec anodized aluminum frame. Designed for simple home assembly, all of the glueing, sawing and wiring has already been done for you.

The saltwater-resistant colour trim around the top and bottom of the aquarium is long-lasting and can be replaced at any time should a different colour scheme be preferred.

Total Reefkeeping Solution

The MAX[®] S-Series is Red Sea's flagship reef system and features the very latest in reef-keeping technology.

WiFi controlled Hydra HD LED lighting, REEF-SPEC[®] filtration and circulation systems, customizable fascia and a one-plug control center allow you to focus on the beauty and diversity of your own piece of coral reef, rather than worrying about component selection, suitability and compatibility.

Choosing the Red Sea MAX[®] S-Series makes reefkeeping easier than ever before.

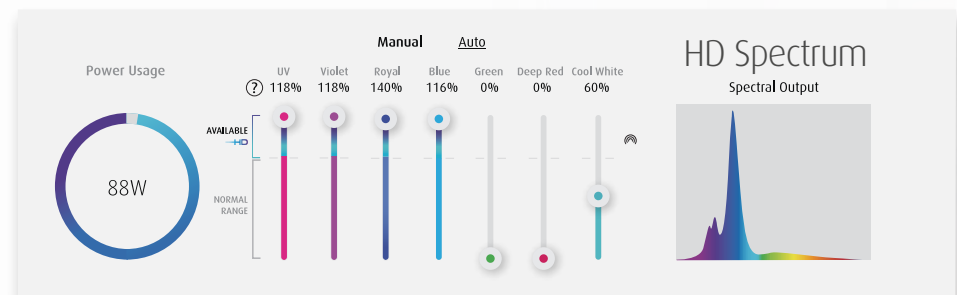
Advanced LED lighting system with integrated WiFi

The MAX[®] S-Series incorporate all-new Hydra 26™ HD LED lighting, providing the most up to date LED technology to give superb performance and a remarkably user-friendly interface.

The Hydra 26™ HD unit offers a full spectrum, 7 colour LED configuration giving great colour rendition and a multitude of lighting effects. The revolutionary control system dynamically adjusts the power available to each colour by utilizing power not being used by other colours, effectively enabling selected channels to be 'boosted' to above 100% output. The lighting is fully controllable via a built-in WiFi which is compatible with iOS and Android devices and with any WiFi-enabled Mac or PC.

At only 90w power consumption per Hydra 26 HD, the MAX[®]-S achieves excellent performance at a fraction of the running costs of using traditional T5 Fluorescent lighting.

The lighting fixture features Red Sea's unique, mounted lighting chassis that slides across the width of the tank, providing easy access for all aquarium maintenance tasks.



Color Choice



Black

Pearl White



MAX[®] S-400



MAX[®] S-500



MAX[®] S-650

Total Reef Filtration

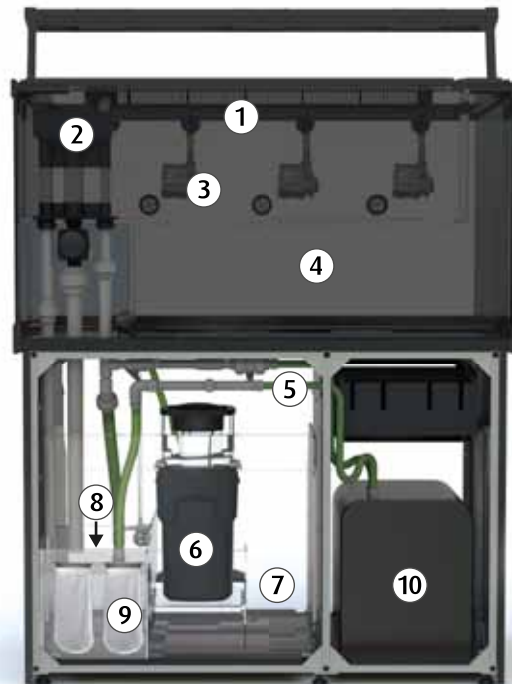
The complete reef filtration system starts with the surface skimmer that feeds the water to the in-cabinet sump via a flow-regulated, silent flow downpipe. The filtered water is returned to the aquarium by a main system pump that also supplies water to all of the filtration systems such as the protein skimmer, an optional chiller and/or reactors.

Connection between the aquarium and sump is via standard union connectors so no plumbing is required.

The MAX® S-System is supplied with the main system pump, C-Skim 1800 protein skimmer, mechanical and carbon filtration media and all piping including preparation to connect a chiller and auxiliary reactors.

Filtration System

1. Full width surface skimmer
2. Silent flow downpipe with overflow protection
3. Concealed rear circulation pumps
4. Built in freshwater reservoir + automatic top up system
5. Union joint connected internal piping including overflow valves
6. Professional protein skimmer
7. Dedicated sump compartment for additional reactors
8. MAX® S main pump
9. Dual micron filter



Rear View



* Red Sea MAX® S-500

Red Sea REEFER™ NANO | 170 | 250 | 350 | 450

Reef-Ready Systems for advanced hobbyists

REEFER™ Concept

Red Sea's REEFER™ series of Reef Systems, provide advanced hobbyists with a solid foundation for building a fully featured reef or marine aquarium. The REEFER™ Series combines a contemporary, rimless, ultra-clear glass aquarium with a stylish cabinet and a comprehensive water management system, including a professional sump with integrated automatic top-up, and Red Sea's unique silent down-flow system.

Incorporating technologies originally developed for Red Sea's all-in-one MAX® coral reef systems, the REEFER™ series is designed for ease of operation while enabling the advanced hobbyist to install an unlimited choice of lighting, filtration, circulation and controllers to create a uniquely customized system.

REEFER™ aquariums are constructed from thick, beveled-edge, ultra-clear glass to support their elegant and modern rimless design. The aquarium sits on a recessed base that "floats" it above the cabinet, which seamlessly follows the contour of the glass.

REEFER™ Cabinet

The marine-spec laminated cabinet that houses the sump, (and in the larger models also includes a dedicated, vented space for chillers) is smartly finished with weatherproof, epoxy-painted doors.

REEFER™ Water Management System

The comprehensive water management system provides the base for excellent water quality.

Surface water from all sides of the aquarium is actively fed to the sump through the regulated silent-flow downpipe. Removable surface-skimming combs surround the top of the centrally located overflow box that houses the downpipe, sump return pipe and the discreet multi-directional "eyeball" return outlet nozzle.

In the event of a blockage in the regulated downpipe, an additional emergency overflow pipe provides an unrestricted free flow of aquarium water directly to the sump. On entering the sump the water passes through 225 micron mechanical filter bags, before entering the filtration compartment that maintains a constant water height, making it suitable for all skimmers and other reactors. In order to remove any air bubbles that may have escaped from the skimmer, the water passes through a bubble-stripping cascade on its way to the return pump chamber.

Integrated Automatic Top-up

To ensure a constant water level in the pump compartment, all REEFER™ sumps include an integrated automatic freshwater top-up unit, guaranteeing a constant, stable water flow throughout the complete system.

Red Sea REEFER™ Features:

- ✓ Rimless, ultra-clear, beveled edge glass aquarium
- ✓ Elegant Marine-Spec cabinet
- ✓ Professional Sump with constant height skimmer chamber and micron filter bags
- ✓ Silent, regulated down-flow system with emergency overflow
- ✓ Integrated Automatic top-up system with reservoir
- ✓ Assembly-ready piping – no gluing required



REEFER™ NANO



REEFER™ 170



REEFER™ 250



REEFER™ 350



REEFER™ 450

Color Choice



Black

White

RIMLESS,
BEVELED
EDGE DESIGN

ULTRA
CLEAR
GLASS

SILENT, REGULATED
DOWN-FLOW
SYSTEM

INTEGRATED
AUTOMATIC
TOP UP SYSTEM

EASY ACCESS
MICRON
FILTER

MULTI
DIRECTIONAL
RETURN
NOZZLE

SURFACE
SKIMMER
WITH
REMOVABLE
COMBS

EMERGENCY
OVERFLOW
PIPE

DEDICATED
SKIMMER
CHAMBER WITH
CONSTANT
WATER
HEIGHT

* few features are not available in all models

* This product is protected under Community Design 003003474, US Serial No 29/555,022 and Chinese Design Application. No. 201630060633.1

Red Sea REEFER™ XL 425 | 525 & REEFER™ XXL 625 | 750

Extra Large Reef Ready Systems

REEFER™ Extra Large Systems

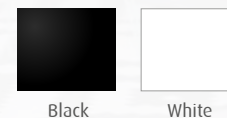
The new REEFER™ XXL expands the XL range of larger format systems with 2 even larger XXL models. These impressive full-sized reef systems give you the freedom to create more expansive, intricate and diverse reefscapes without the constraints of smaller tanks.

The new XXL REEFER™ models are 65cm (25.6") wide and 60cm (23.6") high and are available in 150cm (59") long/625 liter (166 gal) capacity or 180cm (71") long/750 liter (200 gal).

The XXL models are constructed using 19mm (3/4") ultra-clear glass and sit on extra durable HPL coated plywood Marine Spec cabinets for greater water resistance. The feet are fully adjustable for perfect leveling on any surface.

| Comparison of REEFER™ ranges | | | |
|------------------------------|--------------------------|-------------------------|-------------------------|
| | REEFER™ | REEFER™ XL | REEFER™ XXL |
| Aquarium Length | 60 - 150cm (23.6" - 59") | 120 / 150cm (47" - 59") | 150 / 180cm (59" - 71") |
| Aquarium Height | 50 - 55cm (20" - 22") | 55cm (22") | 60cm (23.6") |
| Aquarium Depth | 50cm (20") | 57.5cm (22.6") | 65cm (25.6") |
| Micron Filter Bags | 1 - 2 | 2 | 4 |
| Refugium Ready Sump | | | ✓ |
| Leveling Feet on Cabinet | | | ✓ |

Color Choice



REEFER™ XL 425



REEFER™ XL 525



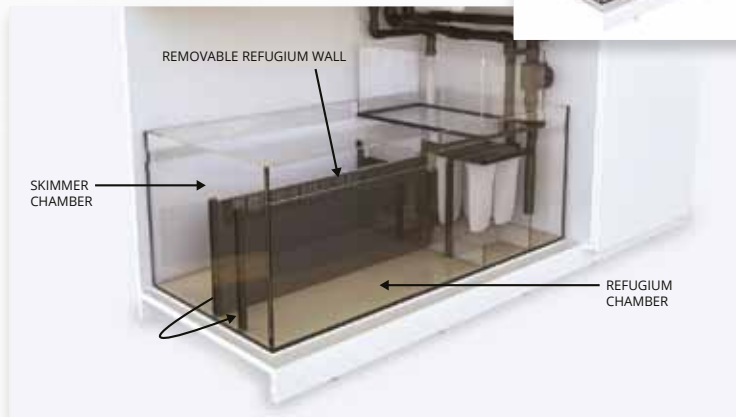
REEFER™ XXL 625



REEFER™ XXL 750

XXL Sump includes exciting new features:

- ✓ An adjustable height skimmer chamber, enabling you to set the water level between 21-27cm (8.3"-10.6") for optimal skimmer performance.
- ✓ A "Refugium Ready" sump with two pre-set positions allows you to decide how much of the sump you want for your skimmer and other reactors and how much as a dedicated refugium chamber.
- ✓ 4 micron filter bags
- ✓ RO liter reservoir that can be slid aside when necessary for pump maintenance.



Refugium-Ready Sump



Red Sea REEFER™ Peninsula 500 | 650

Reef Ready Systems in a room-divider format

REEFER™ Peninsula systems

The new REEFER™ Peninsula will add the distinctive beauty and compelling presence of a Peninsula-style coral reef aquarium to your home or office space at a fraction of the cost of a custom installation.

Available in two sizes, the REEFER™ Peninsula offers an elegant room divider solution with all of the features of our advanced REEFER™ systems. A rimless, ultra-clear glass coral reef aquarium, with two long sides for viewing, gives you maximum exposure to the contents of your tank, adding complexity and intrigue to any reefscape.

| | REEFER™ Peninsula 500 | REEFER™ Peninsula 650 |
|-----------------|-----------------------|-----------------------|
| System Volumes | 500 L / 132 gal | 662 L / 175 gal |
| Aquarium Length | 125cm (49.2") | 160cm (63") |
| Aquarium Height | 60cm (23.6") | 60cm (23.6") |
| Aquarium Depth | 60cm (23.6") | 64cm (25.2") |

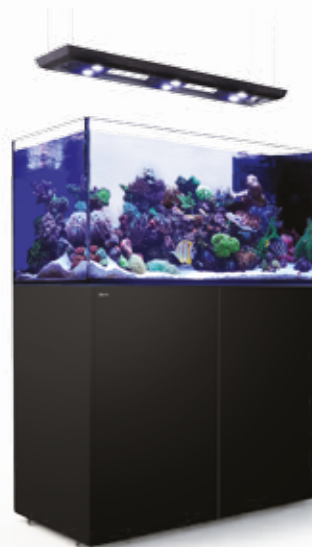
These impressive aquariums are set on 1M (39.4") high stylish yet heavy duty cabinets with epoxy painted finish on both sides. The cabinet includes a dedicated ventilated compartment for chiller and control systems and the doors may be assembled on either side of the cabinet to suit the layout of the room.



REEFER™ Peninsula 500



REEFER™ Peninsula 650



REEFER™ Peninsula Deluxe 500



REEFER™ Peninsula Deluxe 650

The unique design of the Peninsula with the overflow system at one end of the aquarium instead of at the center also makes it ideal for a room corner installation.

Advanced Sump Features include:

- ✓ An adjustable height skimmer chamber, enabling you to set the water level between 21-27cm (8.3"-10.6") for optimal skimmer performance.
- ✓ A "Refugium Ready" sump with two pre-set positions allows you to decide how much of the sump you want for your skimmer and other reactors and how much as a dedicated refugium chamber.
- ✓ 4 micron filter bags
- ✓ RO reservoir that can be slid aside when necessary for pump maintenance.

REEFER™ Peninsula Deluxe

The REEFER™ Peninsula is also available in a Deluxe configuration incorporating the Hydra 26 HD LED lights with Red Sea's customized hanging system.

Color Choice



Black

White



111050

Red Sea REEFER™ XL | XXL Deluxe

The Red Sea Reefer combined with an advanced LED lighting system

REEFER™ Deluxe Concept

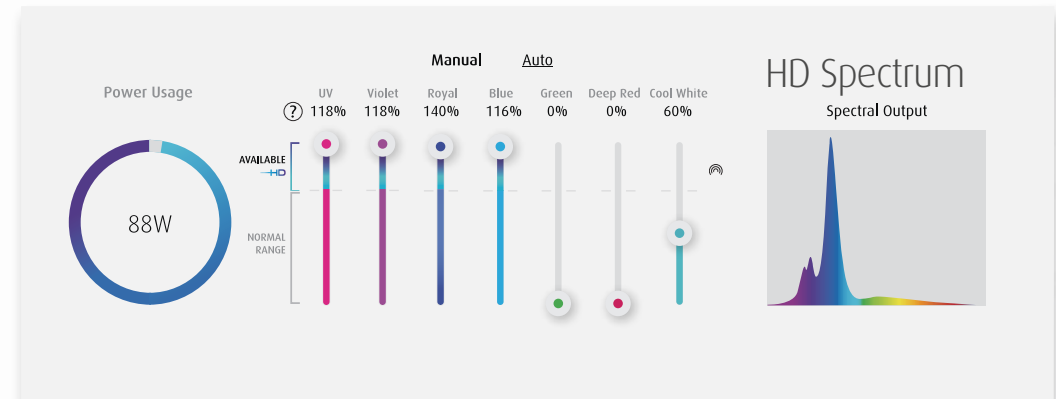
The REEFER™ Deluxe incorporates the all-new Hydra 26™ HD LED lighting units with Red Sea's bespoke mounting system into the Reefer reef ready systems in a convenient single package.

The Hydra 26™ HD unit provides the most up to date LED technology, offering a full spectrum, 7 color LED configuration giving great color rendition and a multitude of lighting effects. The revolutionary control system dynamically adjusts the power available to each color by utilizing power not being used with other colors, effectively enabling selected channels to be 'boosted' to above 100% output. The lighting is fully controllable via the built-in WiFi which is compatible with iOS and Android devices, and with any wifi-enabled Mac or PC.

Mounting system

The bespoke mounting system attaches firmly onto the rear wall on the tank and can be rotated to the upright position during reefscaping or other tank maintenance.

REEFER™ Deluxe is available in a choice of 8 models with 1, 2, 3 or 4 LED units as shown below.



REEFER™ Deluxe 170



REEFER™ Deluxe 250 | 350 | XL 425



REEFER™ Deluxe 450 | XL 525 | XXL 625

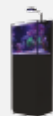


REEFER™ Deluxe XXL 750

Red Sea MAX[®]

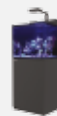
Complete Plug & Play[®] Coral Reef Systems Specifications

MAX[®] NANO

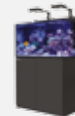


NANO

MAX[®] E Model



170



260

MAX[®] S Model



400



500



650

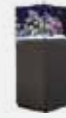
| | | | | | | | |
|-----------------------------------|--|-----------------|----------------------|--------------------|-------------------|-------------------|-------------------|
| System water volume | Combined aquarium and sump (not including optional sump for MAX [®] E) | 75 L (20 gal) | 170 L (45 gal) | 260 L (69 gal) | 400 L (106 gal) | 500 L (132 gal) | 650 L (172 gal) |
| Aquarium volume | Display tank | 62 L (16.5 gal) | 140 L (37 gal) | 213 L (56 gal) | 330 L (87 gal) | 410 L (108 gal) | 520 L (138 gal) |
| Rear Sump volume | Rear sump (MAX [®] E) / Circulation Pump Chamber (MAX [®] S) | 13 L (3.5 gal) | 30 L (8 gal) | 47 L (13 gal) | 20 L (5 gal) | 30 L (8 gal) | 40 L (11 gal) |
| In-Cabinet Sump volume | Glass sump with preparation for auxiliary reactors or refugium | - | [40 L (10 gal)]** | [45 L (12 gal)]** | 50 L (13 gal) | 60 L (16 gal) | 90 L (25 gal) |
| Aquarium glass thickness | Ultra clear front and side panels | 8 mm (5/16") | 12 mm (1/2") | 12 mm (1/2") | 12 mm (1/2") | 12 mm (1/2") | 15 mm (5/8") |
| Surface skimmer | Built in surface skimmer | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LED Lighting system | AI Hydra 26 HD (90W) or Prime HD (MAX [®] NANO)* | 1 unit | 1 unit | 2 units | 2 units | 3 units | 4 units |
| Lighting – standard configuration | Full spectrum with nominal total output | 55W | 90W | 180W | 180W | 270W | 360W |
| Lighting control | WiFi based system compatible with all iOS, Android, and WiFi enabled Mac or PC | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Total circulation lph (gph) | Hidden circulation pumps (not including sump return) | 1 x 950 (240) | 1 x 2150 (570) | 2 x 2150 (570) | 2 x 2150 (570) | 3 x 2150 (570) | 4 x 2150 (570) |
| Main system pump lph (gph) | Sump return + optional feed to skimmer chiller reactors | - | - | - | 7000 (1850) | 7000 (1850) | 7000 (1850) |
| Protein skimmer | Water flow | 180 Lph (46gph) | 900 Lph (240gph) | 900 Lph (240gph) | 1800 Lph (480gph) | 1800 Lph (480gph) | 1800 Lph (480gph) |
| | Air flow | 60 Lph (15gph) | 250 Lph (66gph) | 250 Lph (66gph) | 800 Lph (210gph) | 800 Lph (210gph) | 800 Lph (210gph) |
| Chiller installation kit | Fittings for easy chiller installation | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| Integrated power center | Individually switched sockets for pumps and accessories | 2 Outlets | 7 Outlets | 7 Outlets | 10 Outlets | 10 Outlets | 10 Outlets |
| Integrated A.T.O | Easy-access storage tank with in-sump float valve | 1.5 L (0.4 gal) | [5.4 L (1.5 gal)]** | [8 L (2.1 gal)]** | 22 L (6 gal) | 29 L (7.5 gal) | 38 L (10 gal) |
| Mechanical filtration | Micron filter bags | 1 | [1 x sump]** | [2 x sump]** | 2 | 2 | 2 |
| Media Rack | For rear sump | - | ✓ | ✓ | - | - | - |
| Chemical filtration | High grade phosphate-free activated carbon | 100g (3.5oz.) | 200g (7 oz.) | 400g (14 oz.) | 600g (20 oz.) | 600g (20 oz.) | 600g (20 oz.) |
| Cabinet frame | Marine spec anodized aluminum profile | - | - | - | ✓ | ✓ | ✓ |
| Cabinet external | Splash resistant polyurethane painted or HPL coated MDF doors & panels | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cabinet Compartments | Dedicated chiller compartment (not in E-170 if optional in cabinet sump installed) | - | - | ✓ | ✓ | ✓ | ✓ |
| Length | Display tank (MAX [®] S Including Color Trim) | 45 cm (18") | 60 cm (24") | 90 cm (36") | 104 cm (41") | 128 cm (50.5") | 160 cm (63") |
| Width | Display tank (MAX [®] S Including Color Trim) | 45 cm (18") | 57.5 cm (22.6") | 57.5 cm (22.6") | 70 cm (27.5") | 70 cm (27.5") | 70 cm (27.5") |
| Height | Display tank | 45 cm (18") | 55 cm (22") | 55 cm (22") | 64 cm (25") | 64 cm (25") | 64 cm (25") |
| | Total system height (excluding LED light unit) | 132 cm (52") | 142 cm (56") | 142 cm (56") | 156 cm (61") | 156 cm (61") | 156 cm (61") |

* Hydra 26 HD & Prime HD are manufactured by Aquillumination, USA ** optional for MAX[®] E. Manufacturer reserves the right to change the specification without notice

Red Sea REEFER™

Reef-Ready Systems for advanced hobbyists
Specifications

REEFER™ Model



NANO



170



250



350



450

| | | | | | | |
|------------------------|--|---------------------|----------------------|----------------------|-----------------------|---------------------|
| Main Features | Ultra clear front and side glass | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Ultra clear front glass thickness (mm) | 8 (3/10") | 10 (3/8") | 12 (1/2") | 12 (1/2") | 15 (5/8") |
| | Built in surface skimmer | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Integrated automatic top up system | ✓ | ✓ | ✓ | ✓ | ✓ |
| System Volume | Display tank water volume (L) | 77 (21 gal) | 130 (34 gal) | 204 (54 gal) | 275 (73 gal) | 350 (92 gal) |
| | In cabinet sump water volume (L) | 28 (7 gal) | 35 (9 gal) | 40 (11 gal) | 70 (18 gal) | 90 (24 gal) |
| | Total system water volume (L) | 105 (28 gal) | 165 (43 gal) | 244 (65 gal) | 345 (91 gal) | 440 (116 gal) |
| | RO reservoir volume (L) | 4.5 (1.2 gal) | 5.4 (1.5 gal) | 8 (2.1 gal) | 10.5 (2.8 gal) | 13.7 (3.6 gal) |
| System Dimensions | Display tank length (cm) | 45 (18") | 60 (24") | 90 (36") | 120 (47") | 150 (59") |
| | Display tank height (cm) | 45 (18") | 50 (20") | 53 (21") | 53 (21") | 55 (22") |
| | Display tank width (cm) | 45 (18") | 50 (20") | 50 (20") | 50 (20") | 50 (20") |
| | Total system height with cabinet (cm) | 132 (52") | 137 (54") | 140 (55") | 140 (55") | 142 (56") |
| Sump Dimensions | Water height (cm) | 20 (8") | 20 (8") | 20 (8") | 24 (9.4") | 24 (9.4") |
| | Skimmer chamber (cm) | 24 x 21 (9.4"x8.3") | 30 x 25 (11.8"x9.8") | 35 x 25 (13.8"x9.8") | 42 x 34 (16.5"x13.4") | 42 x 48 (16.5"x19") |
| | Pump chamber (cm) | 24 x 12 (9.4"x4.7") | 30 x 12 (11.8"x4.7") | 35 x 12 (13.8"x4.7") | 42 x 15 (16.5"x6") | 42 x 15 (16.5"x6") |
| Return Pump | 3/4" threaded hose barb - Pipe Int. Dia | 16mm (5/8") | 16mm (5/8") | 16mm (5/8") | 16mm (5/8") | 25mm (1") |
| | Recommended flow (lph) (pump not included) | 2000 (530 gph) | 2000 (530 gph) | 2500 (660 gph) | 3000 (790 gph) | 4000 (1060 gph) |
| Deluxe Series Features | LED Lighting System AI Hydra 26 HD (90W) | - | 1 Unit 90W | 2 Unit 180W | 2 Unit 180W | 3 Unit 270W |

Red Sea REEFER™

Reef-Ready Systems for advanced hobbyists
Specifications

REEFER™ XL Model



XL 425



XL 525

REEFER™ XXL Model



XXL 625



XXL 750

REEFER™ Peninsula



Peninsula 500



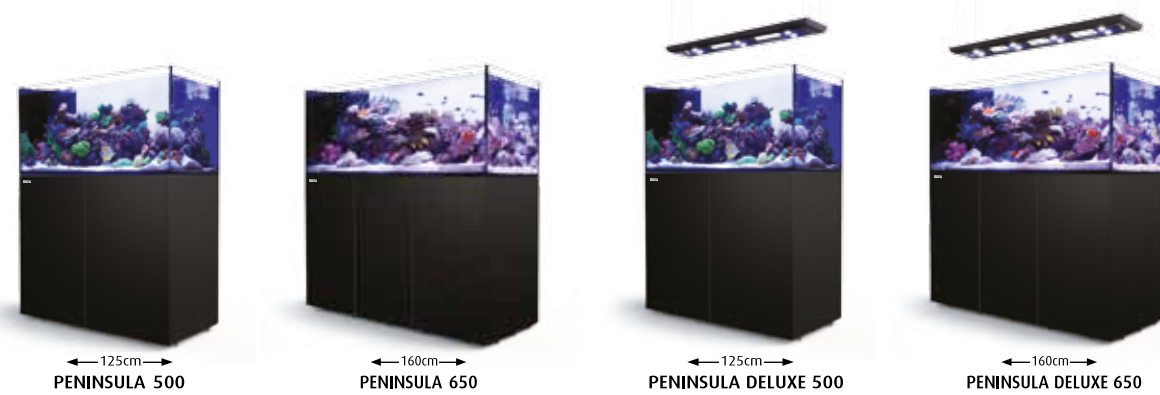
Peninsula 650

| | | XL 425 | XL 525 | XXL 625 | XXL 750 | Peninsula 500 | Peninsula 650 |
|------------------------|--|-----------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|
| Main Features | Ultra clear front and side glass | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Ultra clear front glass thickness (mm) | 12 (1/2") | 15 (5/8") | 19 (3/4") | 19 (3/4") | 15 (5/8") | 19 (3/4") |
| | Built in surface skimmer | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Integrated automatic top up system | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| System Volume | Display tank water volume (L) | 332 (88 gal) | 409 (108 gal) | 502 (133 gal) | 602 (160 gal) | 398 (105 gal) | 528 (140 gal) |
| | In cabinet sump water volume (L) | 90 (24 gal) | 116 (31 gal) | 123 (32 gal) | 150 (40 gal) | 102 (27 gal) | 134 (35 gal) |
| | Total system water volume (L) | 422 (112 gal) | 525 (139 gal) | 625 (165 gal) | 752 (200 gal) | 500 (132 gal) | 662 (175 gal) |
| | RO reservoir volume (L) | 12 (3.2 gal) | 16.2 (4.3 gal) | 28.7 (7.6 gal) | 28.7 (7.6 gal) | 22.2 (5.9 gal) | 28.7 (7.6 gal) |
| System Dimensions | Display tank length (cm) | 120 (47") | 150 (59") | 150 (59") | 180 (71") | 125 (49.2") | 160 (63") |
| | Display tank height (cm) | 55 (22") | 55 (22") | 60 (23.6") | 60 (23.6") | 60 (23.6") | 60 (23.6") |
| | Display tank width (cm) | 57.5 (22.6") | 57.5 (22.6") | 65 (25.6") | 65 (25.6") | 60 (23.6") | 64 (25.2") |
| | Total system height with cabinet (cm) | 142 (56") | 142 (56") | 148 (58.3") | 148 (58.3") | 160 (63") | 160 (63") |
| Sump Dimensions | Water height (cm) | 27 (10.6") | 27 (10.6") | 21-27 (8.3"-10.6") | 21-27 (8.3"-10.6") | 21-27 (8.3"-10.6") | 21-27 (8.3"-10.6") |
| | Skimmer chamber (cm) | 49 x 34 (19.3"x13.4") | 49 x 48 (19.3"x19.3") | 51x51(20"x20") | 71x51(28"x20") | 41x51(16"x20") | 59x51(23.2"x20") |
| | Pump chamber (cm) | 49 x 15 (19.3"x6") | 49 x 15 (19.3"x6") | 33x28(13"x11") | 33x28(13"x11") | 26x28(10.2"x11") | 33x28(13"x11") |
| Return Pump | 3/4" threaded hose barb - Pipe Int. Dia | 25mm (1") | 25mm (1") | 25mm (1") | 25mm (1") | 25mm (1") | 25mm (1") |
| | Recommended flow (lph) (pump not included) | 4000 (1060 gph) | 4000 (1060 gph) | 6000 (1600 gph) | 7000 (1850 gph) | 6000 (1600 gph) | 7000 (1850 gph) |
| Deluxe Series Features | LED Lighting System AI Hydra 26 HD (90W) | 2 Unit 180W | 3 Unit 270W | 3 Unit 270W | 4 Unit 360W | 3 Unit 270W | 4 Unit 360W |
| New Special Features | Adjustable Height Skimmer Chamber | | | ✓ | ✓ | ✓ | ✓ |
| | Refugium Ready | | | ✓ | ✓ | ✓ | ✓ |
| | Heavy Duty levelable Plywood Cabinet | | | ✓ | ✓ | ✓ | ✓ |

RED SEA MAX® | PLUG & PLAY® CORAL REEF SYSTEMS



RED SEA REEFER™ PENINSULA | REEF-READY SYSTEMS IN A ROOM DIVIDER FORMAT



RED SEA REEFER™ | REEF-READY SYSTEMS FOR ADVANCED HOBBYISTS DELUXE VERSIONS AVAILABLE WITH LED



ULTIMATE REEF SYSTEMS SELECTION

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