

## 2020 EXT Refugium filter Package

Packaged for use on standard, NON pre-drilled aquariums, that requires an external overflow assembly.

Aqua-Link 2000 series filters are manufactured with ¼" thick, high grade cell-cast acrylic. These durable hand crafted units are "Smart Chassis Design" that provide exceptional biological, and mechanical functionality; they are extremely versatile allowing you to tailor units by adding additional accessories to meet your specific needs and enhance life support for any freshwater or marine aquaria.

Your purchase inquiry is for a new Aqua-Link 2020 EXT Refugium filter system designed and rated to provide biological life support for standard size aquariums up to 180 gallons. This package provides the main core unit, With a refugium Insert.

Dimensions: 30" x 12" x 20" (plumbing fittings and lid removal require an additional 3" inside height). Provides a hefty; 14 gallons sump capacity to reduce evaporation maintenance.

Your purchase will include most of the items shown in the main photo of this variation.

**(NOTE)** Due to multiple styles and set-up applications, it is not practical to include a "One Size Fits All" water pump. Therefore a water pump, return line plumbing, air pumps, and water heaters are not included with this package but can be purchased separately.

### This Package Includes :

Bio-Media, Foam Pad, Pre-filter Assembly, Drain Hose, Protein Skimmer, and Refugium.

- (1) Core "Smart Chassis" Filter/Sump unit. (Nitro chamber will hold 8.7 gallons of primary bio media) with built-in submersible heater chamber and air injection tubes.
- (1) Styrene egg crate bio-media support trays.
- (1) Secondary foam media pad (to cultivate Nitrobacteria, to aid in the removal of nitrates). This important step is often deleted in other brands.
- (1) Sump lid; Removable to provide easy access to sump pump and added peripherals.
- (1) Reusable/replaceable 20 PPI foam mechanical filter pad.

### Refugium Insert Unit

- (1) 2220 Refugium Insert Cube Dimensions 10-3/8"x 10-3/8" x 13" (6 gallon capacity)
- (1) Top flow/undertow Acrylic baffle wall.
- (2) Nylon machine screws.
- (2) Nylon Wing Nuts.

### Refugium Intake plumbing parts

- (1) Plastic water control valve ½" Barbed x ½" MPT.
- (1) ¾" FS x ½" FIPT Reducer bushing.
- (1) 1" 90° Street elbow.
- (1) 1" schedule 80 threaded nipple. (Teflon sealing tape applied to threads)
- (1) Rubber bulk head gasket.
- (1) 1" 90° FS x FIPT elbow.
- (1) 1" MS x ¾" FS reducer bushing.
- (1) 5" long x ¾" spray bar distributor pipe.
- (1) ¾" FS cap

## Refugium Standpipe & drain plumbing parts

- (1)  $\frac{3}{4}$ " Slotted PVC stand pipe.
- (1) Mechanical filter cylinder.
- (1) 1" MS x  $\frac{3}{4}$ " FS reducer bushing.
- (1) 1" FS x 1" MPT adapter.
- (1) Rubber gasket.
- (1) 1" FIPT x 1" SPGT Adapter