Innovative: Patented design places the motor outside the aquarium-delivering the smallest in-tank footprint of any comparable pump.

Broadest Flow: Powerful yet gentle flow eliminates dead spots in the tank.

Easy Setup: Bracketless design with magnetic coupling is a snap to install.

Eco-friendly Low-heat Design:

External motor mount means less heat in the water, which means less energy/ money spent on cooling.

Safe: No electrical components ever touch the water.

Customizable Wave Modes:

Controllable wave modes can be customized for your unique tank setup.

Versatile Flow Rates: Adjustable flow rates create more natural circulation for your unique ecosystem.

Healthy Undertow: A natural undertow is created along the sand bed, leading to a healthier ecosystem.

Efficient: Advanced brushless motor design reduces electricity consumption.

Quick Cleanup: Wet-side cleaning is a breeze.

Battery Backup: Optional battery backup gives you peace of mind by keeping the circulation going during power failure.

EcoTech Marine has revolutionized coral aquarium propeller pumps.

The award-winning VorTech line produces an unmatched broad yet gentle flow while placing the motor outside the tank-preserving the beauty of your aquarium and enhancing the health of your tank's ecosystem.

VORTECH BATTERY BACKUP. The optional VorTech battery protects your aquarium from power interruptions.

MP10 – Up to 72 hours of protection MP20 – Up to 72 hours of protection MP40w – Up to 36 hours of protection





People Think About Flow in **Reef Aquariums**

Changing How People Think About Flow in Reef Aquariums

The technologically superior VorTech reef aquarium pump line from EcoTech Marine features the MP10, MP20 and MP40w—the smallest propeller pumps on the market when you consider how little space

they occupy inside the aquarium. The VorTech's patented design produces unmatched broad yet gentle flow, creating the ideal environment for your coral.



1349 Lynn Ave., Bethlehem, PA 18015 610 954 8480 800 785 0338 (toll free) 888 500 2907 (fax)

www.ecotechmarine.com

Elegantly Discreet. Highly Controllable. Incredibly Effective.

MP10 is ideal for nano-reef aquariums and tanks less than 50 gallons.

MP20 is ideally suited for aquariums between 30-70 gallons and can be easily upgraded to the MP40w.

MP40w is perfect for aquariums ranging from 50-500+ gallons.

The **WIRELESS WAVE DRIVER** enables wireless coordination and enhanced functionality between multiple MP40w units right out of the box, with no extra equipment to buy—making it the most cost effective-solution on the market for larger aquariums.

	SIZE	FLOW GPH	WATTAGE	MAX. TANK THICKNESS	WIRELESS	CONSTANT	PULSE			AGOON	SYNC/ Anti	NIGHT	MSRP	
	MODES													
MP10	2.5-50	500-1,575	8-18	3/8"		Х	Х	Х	Х	Х		Х	\$195	
MP20	30-70	500-2,000	6-18	3/4"		Х	Х	Х	Х	Х		Х	\$295	
MP40w	50-500+	1,000-3,200	9-28	3/4"	Х	х	Х	Х	Х	Х	Х	Х	\$420	

General Operational Modes

The VorTech's wide variety of easy-to-program, controllable and customizable modes makes it the most versatile pump on the market. All VorTech models feature the following modes:

REEF-CREST MODE (BLUE LINE) automatically simulates the high-energy conditions of a natural reef crest environment.

LAGOON RANDOM MODE (BLACK LINE) automatically simulates a calmer, lagoon reef environment. You set the maximum speed and the driver does the rest.



In either Reef-Crest or Lagoon Mode, if this pump is a master pump, the associated slave pumps will replicate the master in sync or anti-sync modes.

SHORT PULSE MODE (BLACK LINE) allows for wave pulse timings between 0.3 and two seconds, enabling the creation of fast alternating flow throughout the tank. You set the maximum pump speed to control the frequency.

LONG PULSE MODE (BLUE LINE) allows for wave pulse timings of between two seconds and 60 seconds, enabling the creation of slow alternating flow throughout the tank. You set the maximum speed and control the swelling frequency.



NIGHT MODE enables the pump to operate for 14 hours in whichever mode is selected for day and go back to Night Mode for 10 hours.

SYNC & ANTI-SYNC SLAVE MODES (*MP40w only*): In a multi-pump setup, slave pumps will operate in sync or inverse (anti-sync) to the master pump to create tidal currents within your aquarium.

CONSTANT SPEED MODE runs at a constant speed you set based on your aquarium's specific needs.

FEED MODE slows down your pump for 10 minutes to allow you to feed your aquarium.