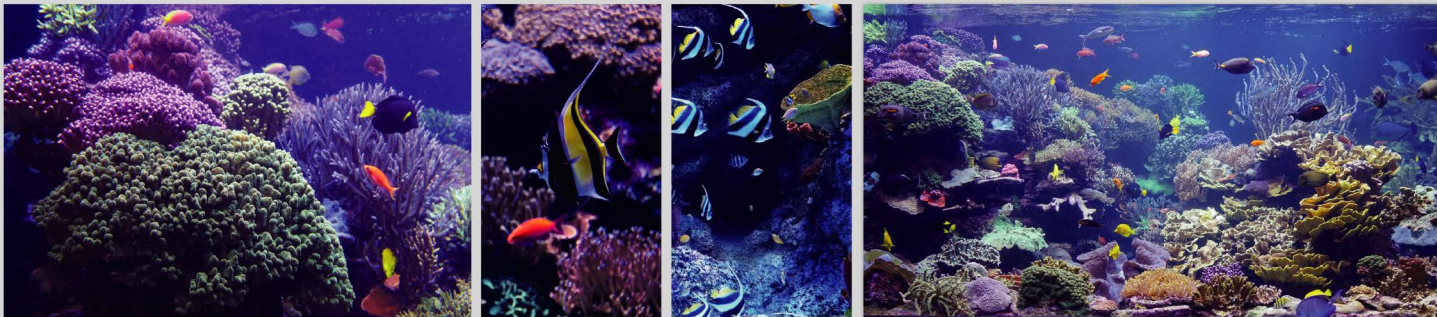




DESIGN FOR ULTRA LARGE AQUARIUM
MAX FLOW RATE UP TO 100 TONS PER HOUR

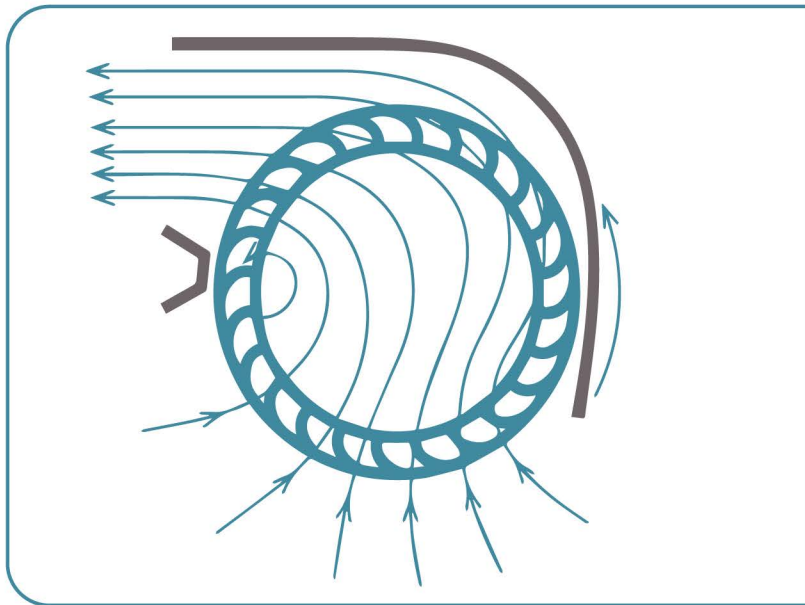


COMMERCIAL
GYRE FLOW PUMP

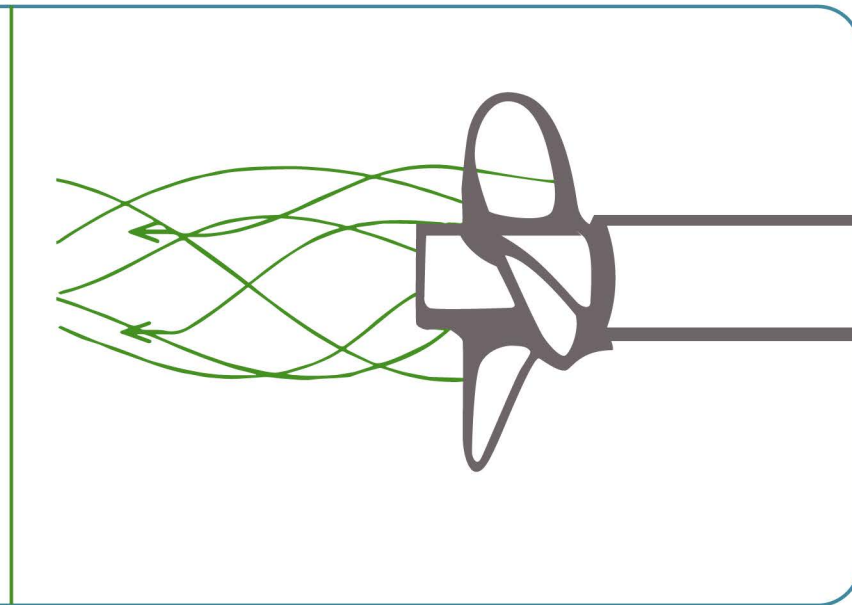
Superior crossflow technology explained

Comparing to traditional powerheads and wavemakers, based on propeller nozzle technology, our latest gyre generator is based on crossflow technology.

Crossflow technology



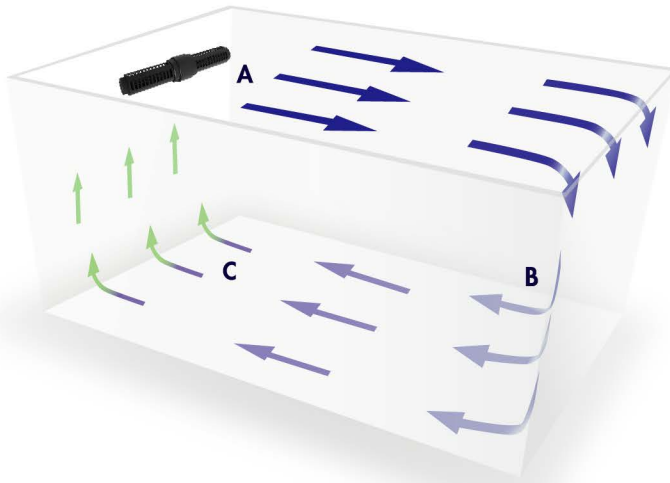
Propeller nozzle technology



Superior crossflow technology explained

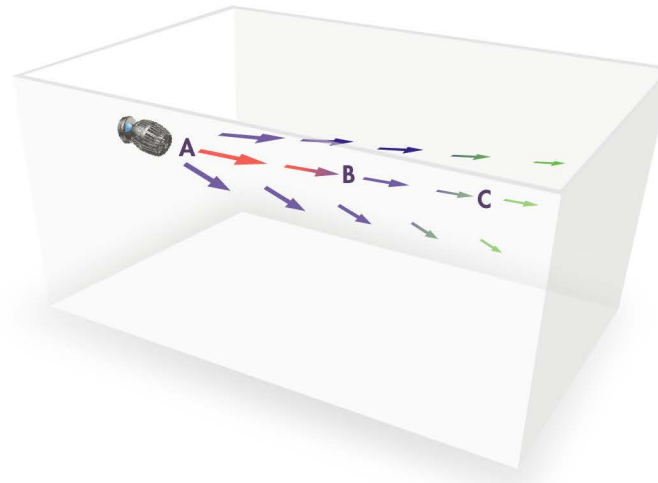
Comparing to traditional powerheads and wavemakers, based on propeller nozzle technology, our latest gyre generator is based on crossflow technology.

Crossflow technology



- A** Virtually no dead spots.
- B** Evenly distributed flow rate throughout the entire aquarium.
- C** Water bounces back from the other side to create a full circulation, ie. generating "gyre flows".

Propeller nozzle technology

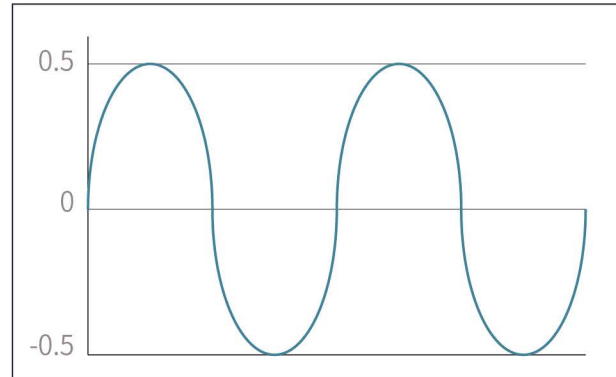


- A** Dead spots with relatively poor water movement.
- B** Very strong flow in the center, making coral placement very difficult.
- C** Very weak flow near the other end of the aquarium.

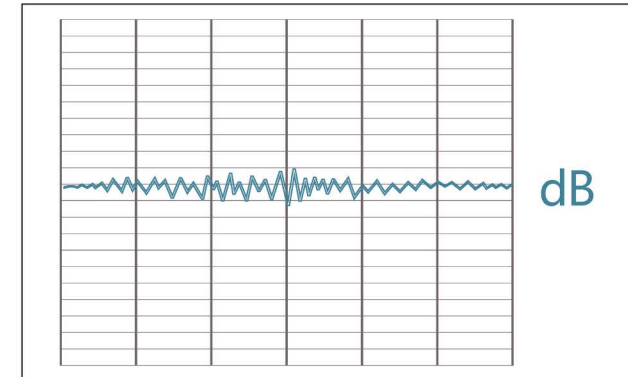
Near-silent operation with sine wave technology

Sine Wave Pattern

Electricity current alternates in a much smoother pendulum while using Sine Wave Technology.

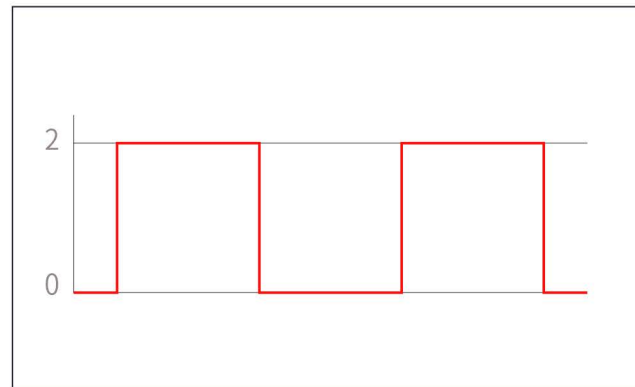


Sine Wave Technology Decibel Level.

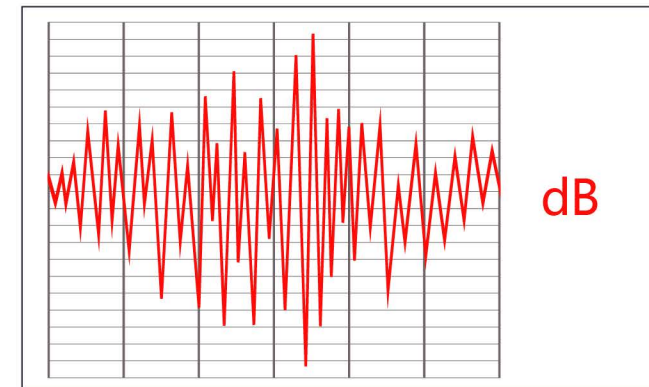


Traditional Pattern

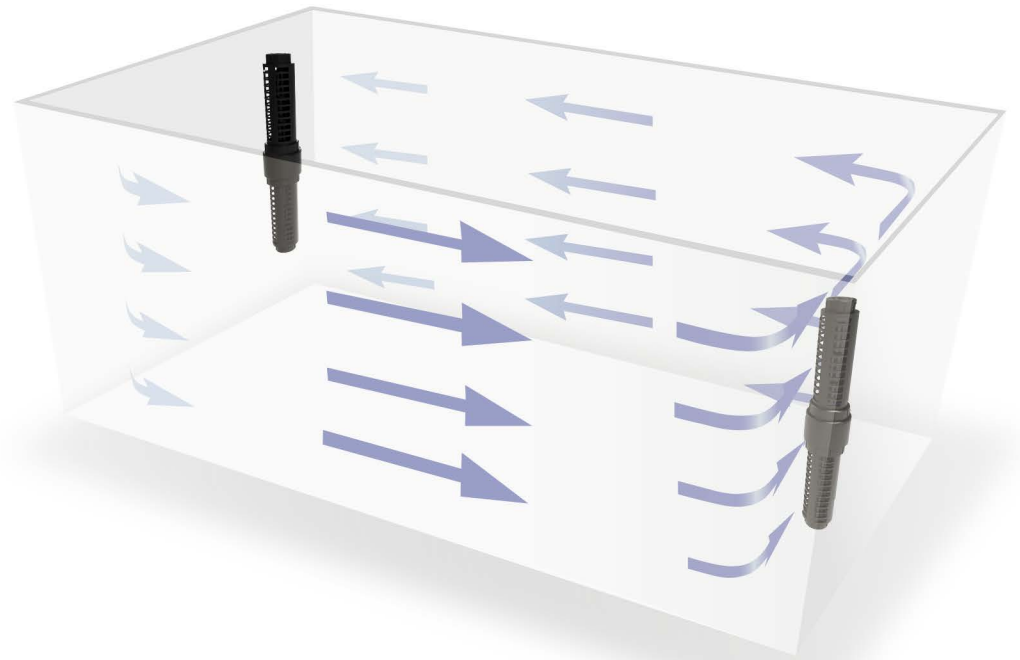
Electricity current alternates in a very sharp pattern while using traditional technology.



Traditional technology Decibel Level.

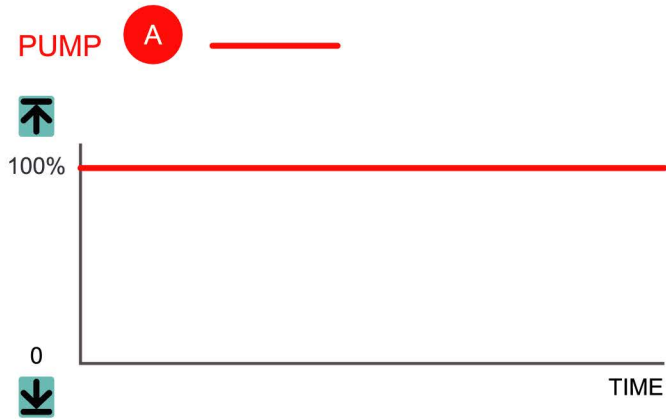


Achieve full circulation within the aquarium with ease

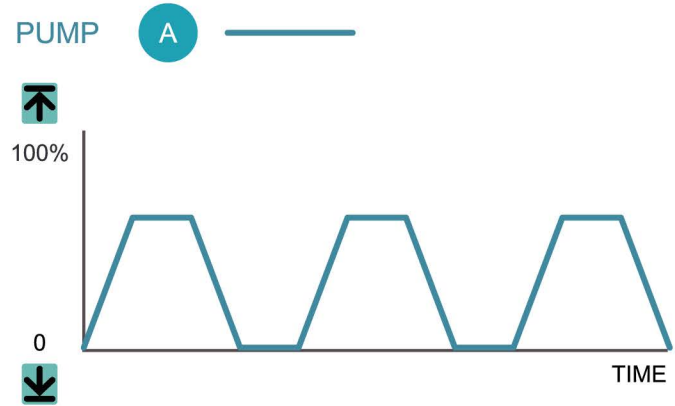


Water movement mode sample diagram

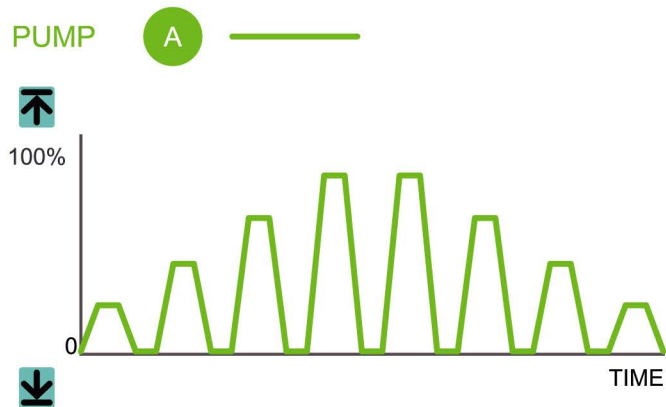
 Constant Speed Mode



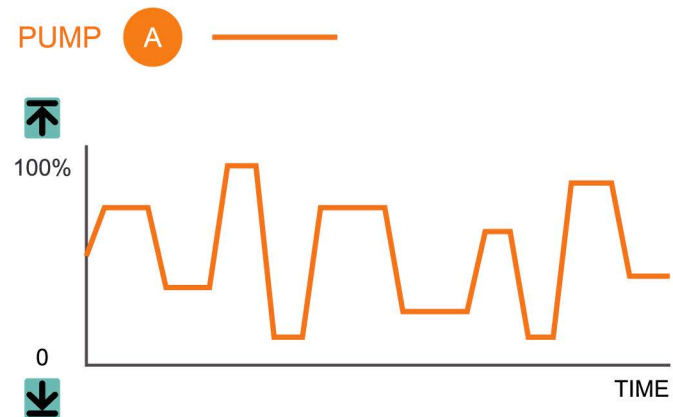
 Pulsing Mode



 Gradual Pulsing Mode

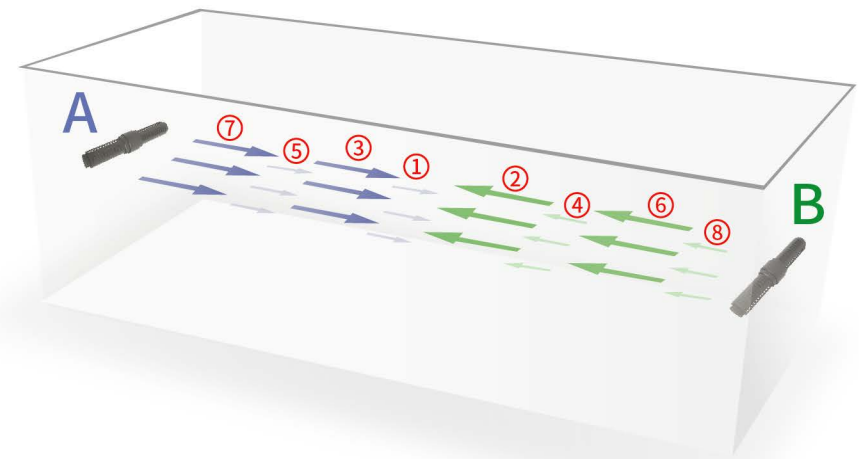
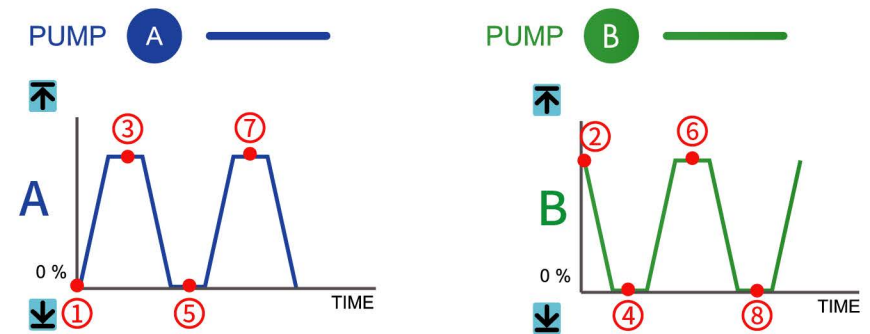
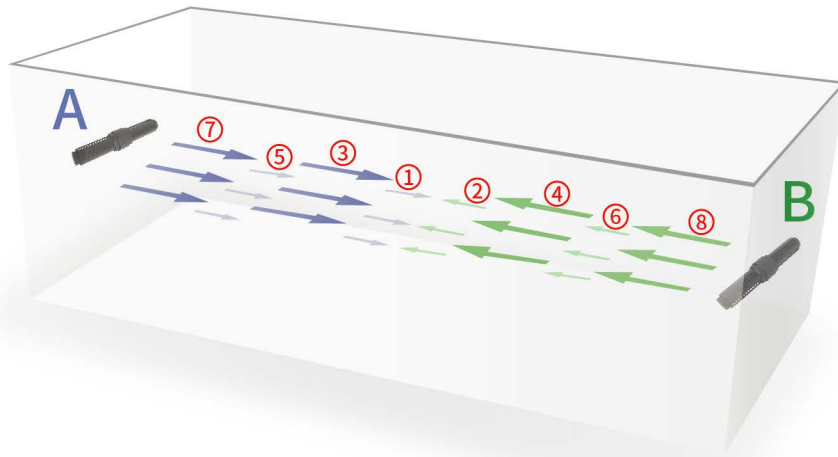
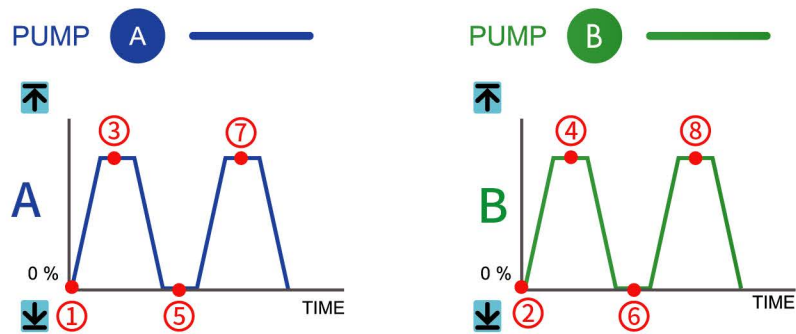


 Random Mode



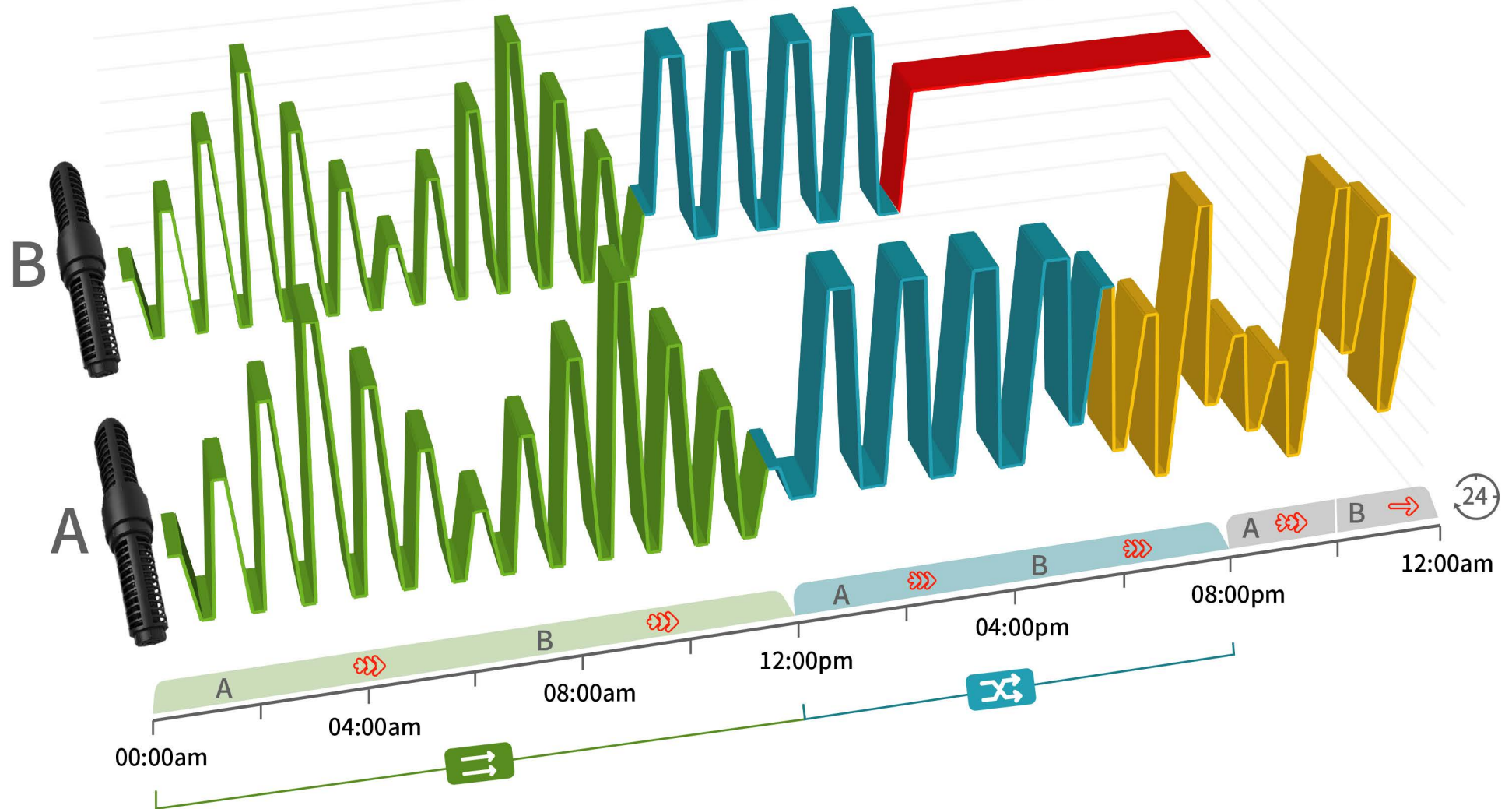
Integrated controller with large display

Link-up method

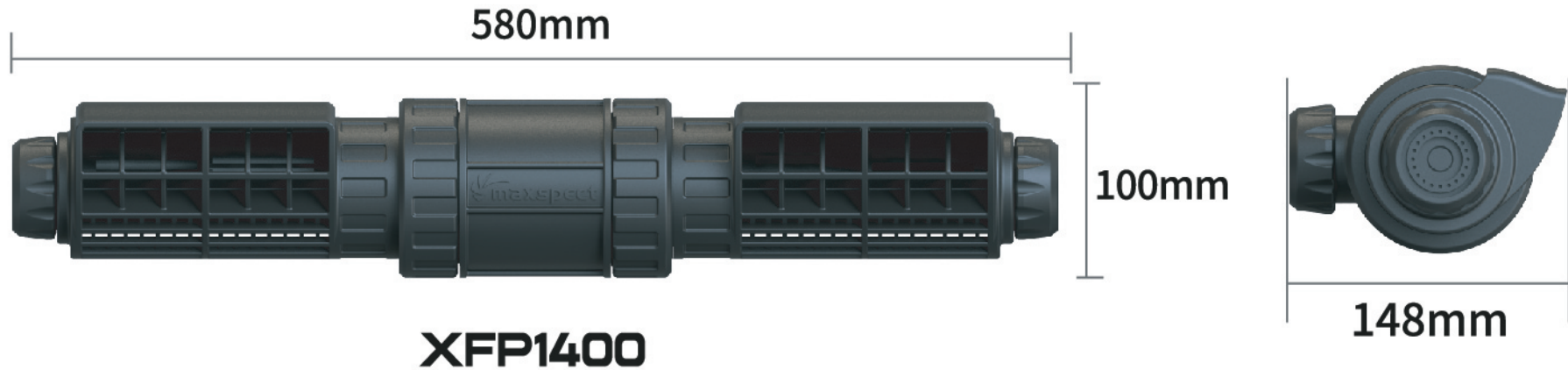


✖ This function requires a cable connection between controllers and will be available in Q4 2021.

Fully programmable 24 hours gyre flow cycle

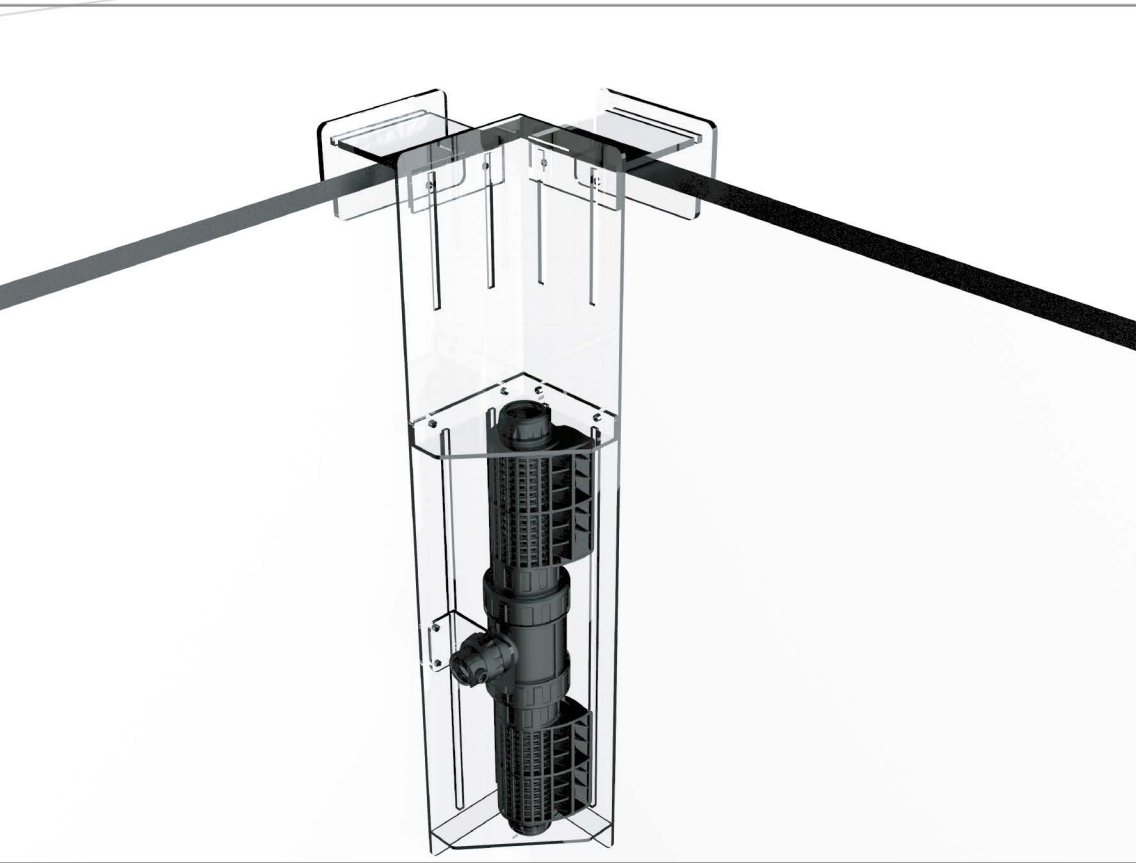


Specifications

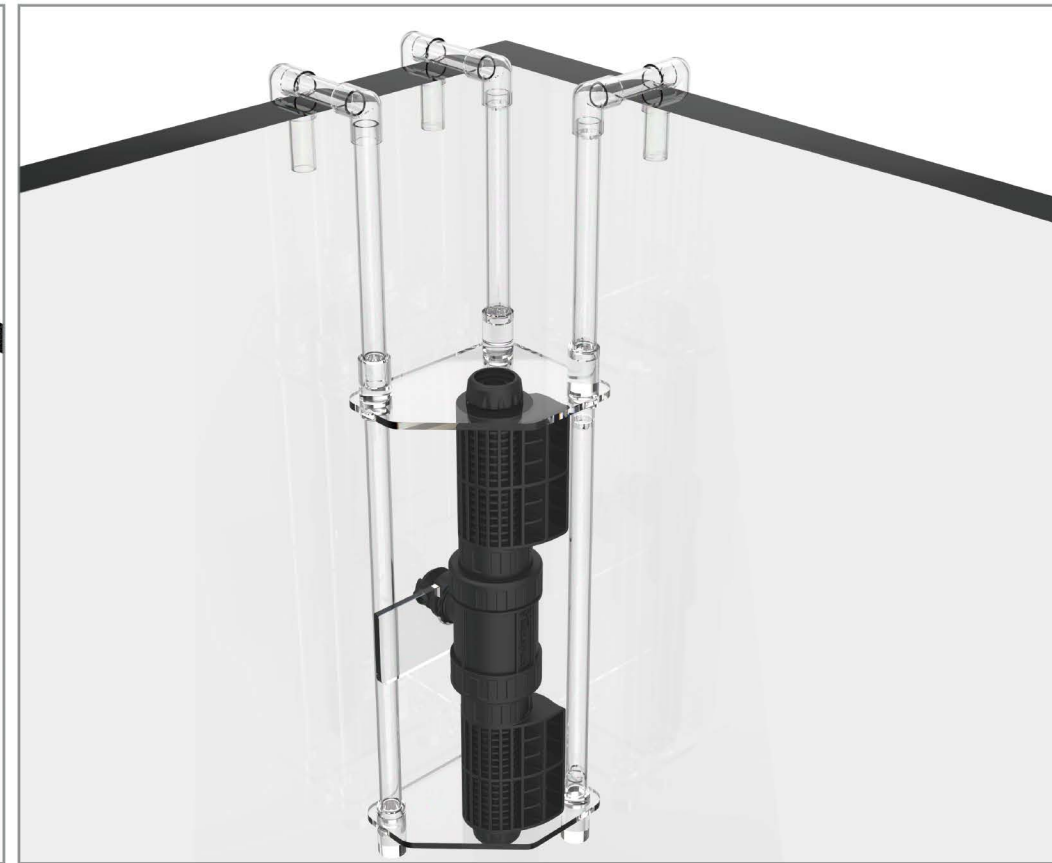


Input	100 – 240v 50/60 Hz	Weight	7kg / 15.4 lbs
Output	DC 36v	Cable	10m / 20m / 30m
Power Range	120 – 450w		33ft / 66ft / 98ft
Flow Rate	30,000 – 100,000 L/H	Depth	10m / 20m / 30m
	8,000 – 26,400 G/H		33ft / 66ft / 98ft
Velocity	0.5 – 2.4 m/s	Dimension	580 x 148 x 100mm
	1.6 – 7.9 ft/s		22.8" x 5.8" x 3.9"

Acrylic bracket solution



PVC bracket solution

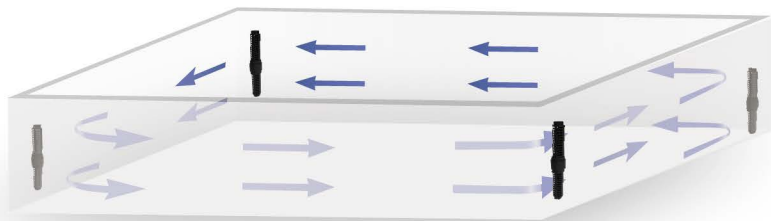


The Illustration shown above are examples for your reference only and it is not limited to these two installation solutions. The required components are not included in the package, if necessary it needs to be ordered separately and custom made according to the specific case.



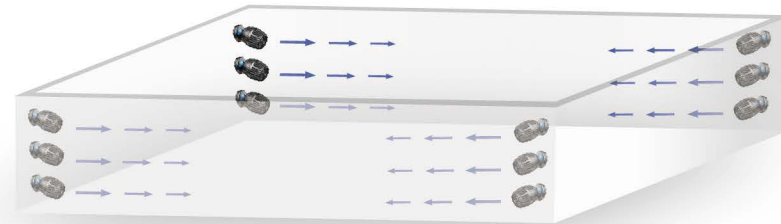
Dimension: 7 x 4 x 1.5m (23' x 13' x 5')

Crossflow technology



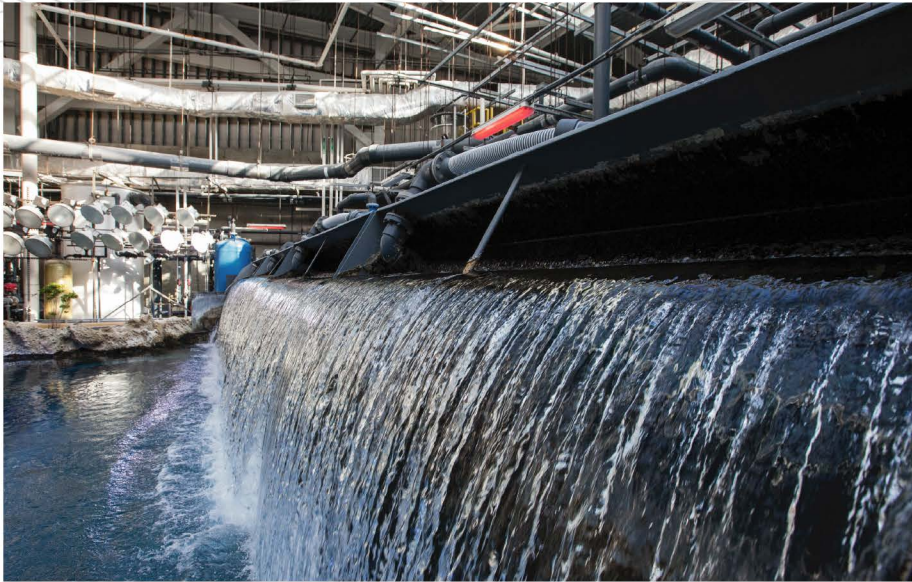
- A** Only four (4) units of Gyre Pro XFP1400 are needed to circulate this large tank.

Propeller nozzle technology

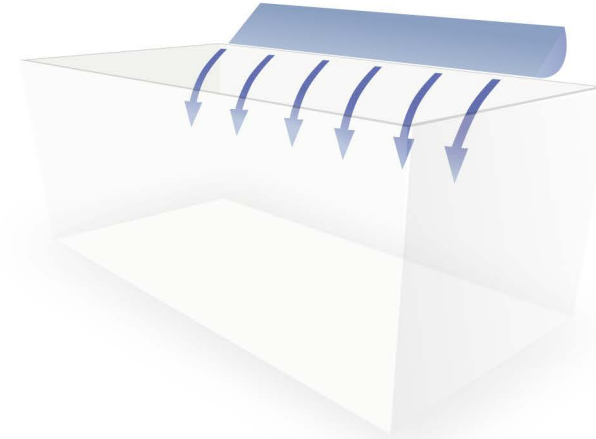


- B** If this tank were powered by traditional pumps, it would require at least twelve (12) units if not more.

You can now replace your "DUMP BUCKET" systems with gyre pro



- A Dump Buckets were used for public aquariums to aerate surface water and create a "wave-like" water flow. However it also is a nightmare to maintain, salt creep will form all around the equipment.



- B Now you can replace your Dump Bucket system with Gyre Pro XFP1400, which can also aerate surface water and create natural wave like water flow, without the hassle of using Dump Buckets.



Adequate water flow is crucial to growth and healthiness of corals and fishes

Water current brings in oxygen-rich water along with nutrients and planktons to corals and fishes, as well as removing waste and organic matter produced by them.

