

YOUR SOURCE FOR
ADVANCED WAVE-MAKING
AND CURRENT GENERATING
DEVICES FOR AQUARIUMS.

OCEAN CURRENTS



- Five turbine-powered models to choose from
- Affordable
- No electricity required
- Manufactured from high quality materials
- Fully submersible
- Use alone or with existing electric wave makers
- Full line of nozzles and accessories to suit any application
- Will not damage power heads or impellers
- All models work using any power head or pump with a 5/8" or 3/4" discharge.
- Easily disassembled for cleaning.

We are pleased to offer five new, turbine-powered, wave and current generating devices.

Ocean Currents Wave Makers are specifically designed for high-flow aquarium applications and are easy to use! Simply plan where you want waves, currents or still water in your aquarium. Select the model(s) and accessories to achieve the desired flow patterns. Place the device at the proper location in your aquarium using the suction cups on the base (use stands as required). Attach the inlet to any pump or power head with a 5/8" or 3/4" discharge and watch your aquarium thrive.

THE OSCILLATOR

CREATES A PRESSURE WAVE with a 100° back and forth sweep of water from the power head.

- Inlet: 5/8" or 3/4" hose (use clamp with 3/4" hose)
- Outlet: 1/2" male pipe thread
- Factory nozzle: 90°, solid stream with 11/16" Outlet, item #00214

Note: Relative position of discharge to inlet can be changed by adjusting position of nozzle on outlet.

SUGGESTIONS FOR USE:

- Mount under hood for sweeping discharge across top plane of tank.
- Use stand to move sweeping discharge to various heights in tank.
- Use fan-shaped nozzle to spread sweeping flow vertically in tank.
- Mount horizontally with fan nozzle to sweep discharge top to bottom.
- Mount under hood with bubbler nozzle at a 45° angle and sweep the tank with air bubbles.
- Select a riser, coupling and cap from the catalog. Drill the riser and cap to meet your top-to-bottom water distribution requirements.

Item #00100 Oscillator



Oscillator shown full size.

THE ROTATOR

CREATES A PRESSURE WAVE with a 360° rotation of water from the power head.

- Inlet: 5/8" or 3/4" hose (use clamp with 3/4" hose)
- Outlet: 1/2" male pipe thread
- Factory nozzle: 90°, solid stream with 11/16" Outlet, item #00214

Note: Inlet may be flipped by unscrewing top and bottom.

SUGGESTIONS FOR USE:

- Mount under hood for rotating discharge across top plane of tank.
- Use stand to move rotating discharge to various heights in tank.
- Use fan-shaped nozzle to spread rotating flow vertically in tank (works best at the end or the corner of the tank).
- Mount horizontally with fan nozzle to rotate top to bottom.

Item #00101 Rotator



Rotator shown full size.

THE PULSER

CREATES A PRESSURE WAVE by pulsing a flat fan-shaped stream of water from the power head.

- Inlet: 5/8" or 3/4" hose (use clamp with 3/4" hose)
- Outlet: 90°, fan-shaped, flat stream
- Outlet size and shape can be modified using Ring Accessory, item #00150

Note: *Inlet may be flipped by unscrewing top and bottom.*

SUGGESTION FOR USE:

- Mount under hood for flat pulsing wave action across top plane of tank.
- Use stand to move flat pulsing wave action to various heights in tank.
- Use adjustment ring accessory to modify flow as desired.
- Mount horizontally to pulse wave action across back of coral.

Item #00102 Pulser



Pulser shown full size.

THE ROTATING / PULSER

CREATES A PRESSURE WAVE by pulsing a flat fan-shaped stream of water combined with a 100° sweeping discharge of water from the power head.

- Inlet: 5/8" or 3/4" hose (use clamp with 3/4" hose)
- Outlet: 90°, fan-shaped, flat stream with 1/2" male pipe thread on rotating outlet
- Factory nozzle: 90°, solid stream with 11/16" Outlet, item #00214
- Fan-shaped outlet size and shape can be modified using Ring Accessory, item #00150

Note: Relative position of rotating discharge to inlet can be changed by adjusting position of nozzle on outlet. Inlet may be flipped by unscrewing top and bottom.

SUGGESTION FOR USE:

- Mount under hood for flat pulsing wave action across top plane of tank. Add an extension to the rotating outlet and sweep across the bottom of tank.
- Mount on bottom of tank and pulse on bottom and sweep across top.
- Use adjustment ring accessory to modify flow of flat stream and change nozzles to modify flow from rotating outlet as desired.
- Mount horizontally to pulse wave action across back of coral and remove nozzle to pulse a straight stream across side of tank.
- Use stand to mount in center of tank and pulse in one direction while sweeping across another.

Item #00103 Rotating/Pulsar



Rotating/Pulsar shown full size.

THE TWO-PORT PULSER

CREATES A PRESSURE WAVE by pulsing pump water through two opposing ports.

- Inlet: 5/8" or 3/4" hose (use clamp with 3/4" hose)
- Outlet: two, 1/2" female pipe thread outlets 180° apart
- Factory nozzles: solid stream with 3/8" Outlet, item #00200

Note: Relative position of angled and fan nozzles can be changed by rotating nozzles in outlet. Inlet may be flipped by unscrewing top and bottom.

SUGGESTION FOR USE:

- For lots of pulsing bubbles, plug one port with (item #00262) and install a bubbler nozzle in the other.
- Place the two-port pulser behind coral and use fan nozzles to work around both sides.
- The two-port pulser, combined with a stand and all the available nozzles, makes a versatile tool with too many combinations to list.

Item #00104 Two-Port Pulser



Two-Port Pulser shown full size.



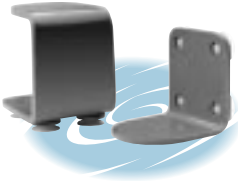
THE RING

Item #00150

Controls shape and size of fan-shaped flat stream outlet on the Pulsar and the Rotating/Pulsar.

- Slide the ring around the top of the Pulsar or the Rotating Pulsar.
- Rotate the ring to select one of three options:
 - 4 discreet holes in a fan shape
 - A narrow slot or
 - A wide slot

By rotating the wide slot, the fan stream can be narrowed. The space between the narrow and wide slot can be used to split the slot into two discreet streams. After selecting the proper stream width, slip the ring up or down to decrease the height of the slot and increase the exit velocity of the water. Flip the ring over and split the stream into a "V" shape.



THE STANDS

Item #00151 (shown)

Durable L-shaped plastic stand supports any Ocean Currents Wave Maker at any height in the tank. 2-1/2" wide x 3" tall round-nosed tab is also sized to support most small (1/2" outlet) power heads.

Item #00152 (shown)

Durable C-shaped plastic stand supports any Ocean Currents Wave Maker at 3-1/2" height from the base. 2-1/2" wide x 3" tall round-nosed tab also supports most small (1/2" outlet) power heads.

Item #00153 (not shown)

Custom-made stands to your specifications for any application.

Item #00154 (shown)

Replacement PVC suction feet for stands and wave makers. Package of 8.

NOZZLES

The following nozzles are available to help the aquarist customize his or her wave maker to suit a specific application. The nozzles consist of three basic categories: solid stream; fan shaped-flat stream; and bubble making. Each nozzle comes in various sizes with outlets set at 0°, 45° and 90° from the inlet. A good rule for selecting a nozzle is as follows: a high-output pump with a small orifice nozzle will discharge water at a high velocity and a low-output pump with a large nozzle will discharge water at a low velocity.



SOLID STREAM NOZZLES

Item #00200 (shown)

Inlet: 1/2" mpt

Outlet ID: 3/8"

Use: Standard outlets for Two-Port Pulsar

Item #00201 *(not shown)*

Inlet: 1/2" mpt
 Outlet ID: 1/4" to 7/16" adjustable
 Use: Two-Port Pulsar



Item #00202 *(shown)*

Inlet: 1/2" fpt
 Outlet ID: 7/16" to 11/16" adjustable
 Use: Add to standard outlet for Rotator
 Add to standard outlet for Oscillator
 Add to standard outlet for Rotator Pulsar
 Two-Port Pulsar (order with Item #00249 close nipple)

45° SOLID STREAM NOZZLES

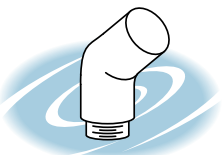


Item #00203 *(shown)*

Inlet: 1/2" mpt
 Outlet ID: 7/16"
 Use: Two-Port Pulsar
 Rotating/Pulsar (order with Item #00248 coupling)

Item #00204 *(not shown)*

Inlet: 1/2" mpt
 Outlet ID: 11/16"
 Use: Two-Port Pulsar



Item #00205 *(shown)*

Same as above, except outlet ID: 27/32"

Item #00206 *(not shown)*

Same as above except adjustable outlet ID: 1/4" to 7/16"

Item #00207 *(not shown)*

Same as above except adjustable outlet ID: 7/16" to 11/16"

Item #00208 *(not shown)*

Inlet: 1/2" fpt
 Outlet ID: 11/16"
 Use: Oscillator
 Rotator
 Rotating/Pulsar

Item #00209 *(not shown)*

Same as above except outlet ID: 27/32"

Item #00210 *(not shown)*

Same as above except adjustable outlet ID: 1/4" to 7/16"

Item #002117 *(not shown)*

Same as above except adjustable outlet ID: 7/16" to 11/16"

90° SOLID STREAM NOZZLES



Item #002012 *(shown)*

Inlet: 1/2" mpt
 Outlet ID: 3/8"
 Use: Two-Port Pulsar



Item #002013 *(not shown)*

Inlet: 1/2" fpt
 Outlet ID: 3/8"
 Use: Rotating/Pulser

Item #00214 *(shown with nipple for Two-Port Pulser)*

Inlet: 1/2" fpt
 Outlet ID: 11/16"
 Outlet OD: 1/2" mpt
 Use: Standard outlet for Rotator
 Standard outlet for Oscillator
 Standard outlet for Rotator/Pulser
 Two-Port Pulser (order with close nipple, item #00249)

Item #00215 *(not shown)*

Inlet: 1/2" mpt
 Outlet ID: 1/4" to 7/16" adjustable
 Use: Two-Port Pulser

Item #00216 *(not shown)*

Inlet: 1/2" fpt
 Outlet ID: 7/16" to 11/16" adjustable
 Use: Rotator
 Oscillator
 Rotator/Pulser

Two-Port Pulser (order with close nipple, item #00249)



Item #00217 *(shown with nipple for Two-Port Pulser)*

Inlet: 1/2" fpt
 Outlet ID: 27/32"
 Use: Rotator
 Oscillator
 Two-Port Pulser (order with close nipple, item #00249)

Item #00218 *(not shown)*

Same as above except outlet ID: 1-1/16"

FAN-SHAPED FLAT-SPRAY NOZZLES



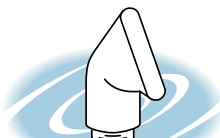
Item #00219 *(shown)*

Inlet: 1/2" mpt
 Outlet: Fan shape 1/4" x 1-5/8"
 Use: Rotator (order with coupling #00248)
 Oscillator (order with coupling #00248)
 Two-Port Pulser

Item #00220 *(not shown)*

Same as above except Outlet: fan shape 1/4" x 2"

45° FAN-SHAPED FLAT-SPRAY NOZZLES



Item #00221 *(shown)*

Inlet: 1/2" mpt
 Outlet: Vertical fan shape 1/4" x 1-5/8"
 Use: Two-Port Pulser

Item #00222 *(not shown)*

Inlet: 1/2" fpt
 Outlet: Vertical fan shape 1/4" x 1-5/8"
 Use: Oscillator
 Rotator
 Rotating/Pulser



Item #00223 *(shown)*

Inlet: 1/2" mpt
 Outlet: Horizontal fan shape 1/4" x 1-5/8"
 Use: Two-Port Pulser

Item #00224 *(not shown)*

Inlet: 1/2" fpt
 Outlet: Horizontal fan shape 1/4" x 1-5/8"
 Use: Oscillator
 Rotator
 Rotating/Pulser



Item #00225 *(shown)*

Inlet: 1/2" mpt
 Outlet: Left hand, 45° angle, fan shape 1/4" x 1-5/8"
 Use: Two-Port Pulser

Item #00226 *(not shown)*

Inlet: 1/2" fpt
 Outlet: Left hand, 45° angle fan shape, 1/4" x 1-5/8"
 Use: Oscillator
 Rotator
 Rotating/Pulser



Item #00227 *(shown)*

Inlet: 1/2" mpt
 Outlet: Right hand, 45° angle fan shape, 1/4" x 1-5/8"
 Use: Two-Port Pulser

Item #00228 *(not shown)*

Inlet: 1/2" fpt
 Outlet: Right hand, 45° angle fan shape, 1/4" x 1-5/8"
 Use: Oscillator
 Rotator
 Rotating/Pulser



90° FAN-SHAPED FLAT-SPRAY NOZZLES

Item #00229 *(shown with nipple for Two-Port Pulser)*

Inlet: 1/2" fpt
 Outlet: Vertical fan shape 1/4" x 1-5/8"
 Use: Oscillator
 Rotator
 Rotating/Pulser
 Two-Port Pulser (order with close nipple, item #00249)

Item #00230 *(not shown)*

Same as above except outlet: vertical fan shape 1/4" x 2"

A C C E S S O R I E S



Item #00231 (shown with nipple for Two-Port Pulsar)

Inlet: 1/2" fpt
 Outlet: Horizontal fan shape 1/4" x 1-5/8"
 Use: Oscillator
 Rotator
 Rotating/Pulsar
 Two-Port Pulsar (order with close nipple, Item #00249)



Item #00232 (not shown)

Same as above except outlet: vertical fan shape 1/4" x 2"

Item #00233 (shown with nipple for Two-Port Pulsar)

Inlet: 1/2" fpt
 Outlet: Left hand, 45° angle fan shape, 1/4" x 1-5/8"
 Use: Oscillator
 Rotator
 Rotating/Pulsar
 Two-Port Pulsar (order with close nipple, Item #00249)



Item #00234 (not shown)

Same as above except outlet: left hand, 45° angle, fan shape 1/4" x 2"

Item #00235 (shown with nipple for Two-Port Pulsar)

Inlet: 1/2" fpt
 Outlet: Right hand, 45° angle fan shape, 1/4" x 1-5/8"
 Use: Oscillator
 Rotator
 Rotating/Pulsar
 Two-Port Pulsar (order with close nipple, item #00249)

Item #00236 (not shown)

Same as above except outlet: right hand, 45° angle, fan shape 1/4" x 2"

T-NOZZLES

Item #00237 (not shown)

Inlet: 1/2" fpt
 Outlet ID: 2 each: 11/16"
 Use: Oscillator
 Rotator



Item #00238 (shown)

Same as above except outlet ID: 2 each: 27/32"

Item #00239 (not shown)

Same as above except outlets: 2 each: 1/2" fpt
 Order with adjustable nozzles Item #00201 or Item #00202 to vary flow.



Item #00240 (shown)

Inlet: 1/2" fpt
 Outlets: 2 each: 1/4" x 1-5/8" vertical fan shape
 Use: Oscillator
 Rotator

ACCESSORIES



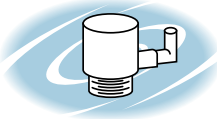
Item #00241 (shown)

Inlet: 1/2" fpt
Outlets: 1 left hand/1 right hand, 45° angle, fan shape
1/4" x 1-5/8"
Use: Oscillator
Rotator



Item #00242 (shown)

Inlet: 1/2" fpt
Outlets: 1 horizontal/1 vertical, fan shape 1/4" x 1-5/8"
Use: Oscillator
Rotator



BUBBLE-MAKING NOZZLES

Item #00243 (shown)

Inlet: 1/2" mpt
Outlet: 1/2" fpt and lots of bubbles
Use: Two-Port Pulsar

Item #00244 (not shown)

Inlet: 1/2" mpt
Outlet: 1/2" fpt and lots of bubbles at 45° to inlet
Use: Two-Port Pulsar

Item #00245 (not shown)

Same as above except outlet: 1/2" fpt and bubbles at 90° to inlet

Item #00246 (not shown)

Inlet: 1/2" fpt
Outlet: 1/2" fpt and lots of bubbles at 45° to inlet
Use: Oscillator

Item #00247 (not shown)

Same as above except outlet: 1/2" fpt and bubbles at 90° to inlet



COUPLING

Item #00248 (shown)

Inlet: 1/2" fpt
Outlet: 1/2" fpt
Use: Oscillator
Rotator
Rotating/Pulsar

RISERS AND NIPPLES

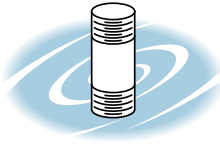
Item #00249 (not shown)

Inlet: 1/2" mpt
Outlet: 1/2" mpt
Length: close (1-1/8")
Use: Oscillator
Rotator
Rotating/Pulsar
Two-Port Pulsar

Note: Not all lengths work for all models

Item #00250 (not shown)

Same as above except length: 1-1/2"



Item #00251 (*shown*)

Same as above except length: 2"

Item #00252 (*not shown*)

Same as above except length: 2-1/2"

Item #00253 (*not shown*)

Same as above except length: 3"

Item #00254 (*not shown*)

Same as above except length: 3-1/2"

Item #00255 (*not shown*)

Same as above except length: 4"

Item #00256 (*not shown*)

Same as above except length: 4-1/2"

Item #00257 (*not shown*)

Same as above except length: 5"

Item #00258 (*not shown*)

Same as above except length: 5-1/2"

Item #00259 (*not shown*)

Same as above except length: 6"

Item #00260 (*not shown*)

Same as above except length: 7"

Item #00261 (*not shown*)

Same as above except length: 8"

PIPE PLUG AND RISER CAP



Item #00262 (*shown*)

Plug threads: 1/2" mpt

Use: Two-Port Pulsar

Item #00263 (*not shown*)

Cap threads: 1/2" fpt

Use: Rotator

Oscillator

Rotating/Pulsar

Note: Ocean Currents wave makers, nozzles and accessories are for use with high volume—low pressure pumps and power heads only. Do not attempt to use these products on high pressure pumps. Do not attempt to run these products using your home or industrial water supply.

Ocean Currents reserves the right to change product performance and appearance without notice. Pictures are for representation only.

OCEAN CURRENTS



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