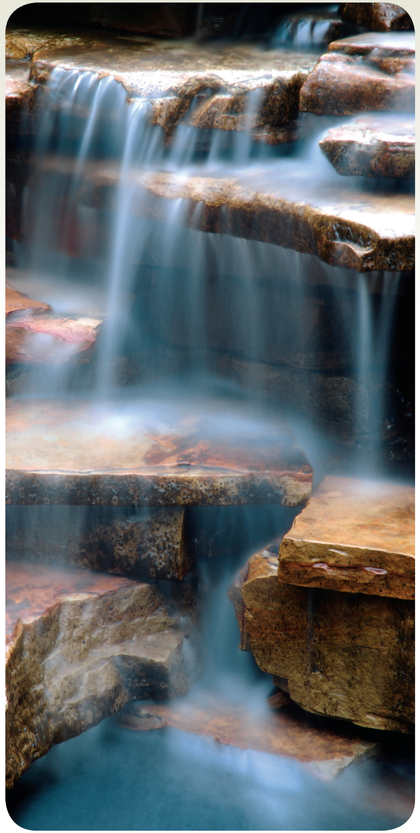


www.atlanticwatergardens.com

Create Your Own Backyard Oasis!

How beautiful the water is!
To me 'tis wondrous fair —
No spot can ever lonely be
If water sparkle there;
It hath a thousand tongues of mirth,
Of grandeur, or delight,
And every heart is gladder made
When water greets the sight.
- Elizabeth Oakes Smith

The poet may be long forgotten, but her words ring as true as ever. The glistening babble of flowing water gladdens and captivates and relaxes like no other garden element.

The sound of a gentle waterfall bubbling over stones, the reflections of ripples flickering in the sunlight, the eddies and currents whirling around mossy stones in a continual yet ever-changing ballet — nothing is more engaging.

For centuries the focus of peaceful meditation in eastern cultures, where no garden is complete without water, water features now stir the hearts of millions across the globe, spanning all cultural borders.

Maybe you like the idea of a tranquil stream lined with nodding grasses reflected in the slow waters, dropping gently from pool to pool as it winds peacefully through the garden.

Perhaps you are entranced by the sight, sound and spray of a spirited waterfall, leaping down from ledge to pocket to rock, then disappearing from view in a glistening swirl into a graveled pool.

Whatever you decide, this guide will help you to create the water feature of your dreams, easy to care for and beautiful, without the maintenance and upkeep that fish ponds require.

Let's Get Started!

EQUIPMENT WORKSHEET & CHECKLIST

Sizing the Pump

Total Waterfall Width ____ x 1500 GPH per foot (min) = ____ or x 2250 GPH per foot (max) = _____ GPH
Height of Waterfall ____ + 1' per 10' of Tubing ____ + 1' per fitting ____ = _____ Total Head

See Atlantic Pump Chart. Select Pump(s) with the desired GPH at the correct Head.

Calculating Streambed / Basin Volume *(Length, Width and Depth measured in feet)*

Stream/Falls Volume = Avg. Length _____ x Avg. Width _____ x .25 = _____cubic feet
Required Basin Volume (gravel) = Stream/Falls Volume _____ x 9 = _____ cubic feet
Required Basin Volume (Eco-Blox) = Steam/Falls Volume _____ x 3 = _____ cubic feet
Number of Eco-Blox Required = Basin Volume _____ ÷ 4.2 = _____ Eco-Blox

Plot out your Eco-Blox Basin size and shape in the graph below. Using dimensions of 2.5' L x 1.5' W per Eco-Blox, calculate your required liner size using the formulas below:

Sizing the Liner and Underlayment

Basin Liner Length = (max length of basin ____) + (2 x depth ____) + 2 = _____
Basin Liner Width = (max width of basin ____) + (2 x depth ____) + 2 = _____
Stream/Falls Liner Length = (max length of Stream/Falls ____) + (2 x depth ____) + 5 = _____
Stream/Falls Liner Width = (max width of Stream/Falls ____) + (2 x depth ____) + 5 = _____
(Basin Liner L ____ x W ____) + (Stream/Falls Liner L ____ x W ____) = _____ sq. ft of underlayment

For liner measurements round up to multiples of 5 feet.

Pond-free Components

Pump(s) _____
Pump Vault _____
Pump Vault Extension _____
FastFalls _____

Installation Components

Triton Check Valve _____
Basin Liner _____
Stream Liner _____
Underlayment _____
Eco-Blox _____
PVC Glue/Primer _____
FallsFoam _____
Auto Fill _____
Flex PVC Pipe _____
Extra Plumbing Fittings _____

Lighting

SOL Lights _____
AWG LED Lights _____

Accessories

Rock Lids _____
Triton Ionizer _____

Maintenance

Eco-Klean _____
Eco-Solv9 _____
Quick-Clear _____
Fountain Treatment _____

Rock/Gravel

Large Boulders _____
Small Boulders _____
Gravel _____

Plants

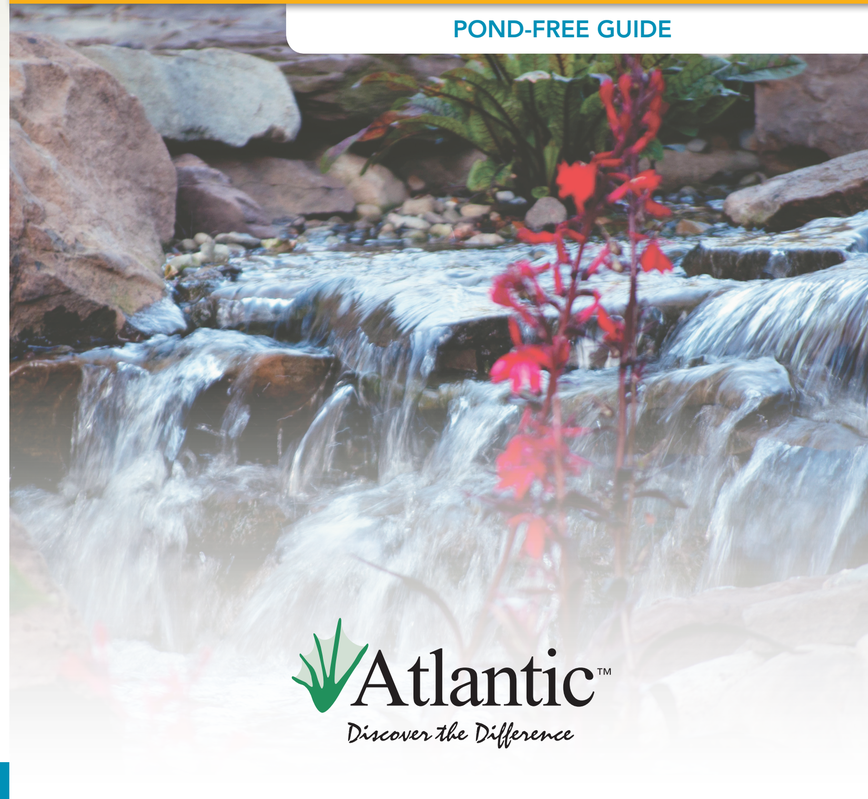
Marginals _____

Pond-free Kit

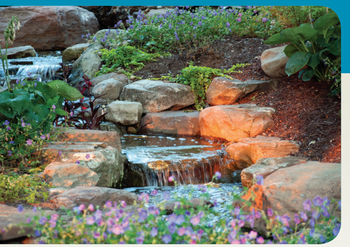
Oasis Pond-free Kit _____
Pro Series Pond-free Kit _____

Let's Talk Pond-Free

POND-FREE GUIDE



Atlantic™
Discover the Difference



THE POND-FREE CONCEPT

Pond–free features exchange the open water of the pond for a gravel-topped excavation, maximizing visual impact while minimizing headaches and maintenance. Typically, a pump placed in a protective vault inside a lined reservoir continuously recirculates water over a stream or waterfall. A bed of gravel hides the basin, vault and plumbing from view, leaving only the stream and waterfall visible in full splendor. Pond-free features provide all the visual interest without the care and upkeep of a pond ecosystem; there's no open water to collect debris or to worry about, and Pond-free features can be turned on and off at will, unlike ponds. No wonder they've become so popular!

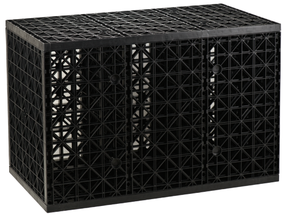
CHOOSING THE RIGHT PUMP

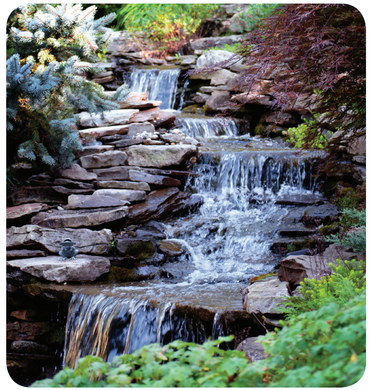
The heart of the water feature, the pump recirculates water over the falls back down through the gravel. You need to know:

- GPH -- The flow in Gallons Per Hour. Figure on at least 1500 GPH per foot of waterfall width; a 2' wide waterfall will need at least a 3000 GPH pump. To really show off, figure up to 2250 gallons per foot of waterfall width. 4500 GPH cascading over a 2' wide waterfall is mesmerizing.
- HEAD -- The height of the waterfall in feet above the reservoir water level. Pumps are rated at specific head heights, so you'll need to know your desired GPH at your feature's head height, as in "4500 GPH at 5' of head".
- WATTAGE-- The electrical consumption of the pump, Amps x Volts. Finding the pump with the right flow at the right head for the lowest Watts reduces your operating costs.

THE ECO-BLOX

Eco-Blox are load-bearing "water matrix" blocks used to support the underground reservoir of Pond-free basins. Each Eco-Blox holds 32 gallons of water, but that's only one-third the story. A reservoir constructed of Eco-Blox supports tons of distributed load and holds three times more water than one backfilled with gravel, so you can dig one-third the hole, move one-third the soil, and forget about the cost and effort of all that gravel!





WATER TREATMENTS

The right Biocuda products will keep maintenance to a minimum! Simply pour the recommended dose of Biocuda Eco-Solv9 Complete Pond Cleaner weekly to keep water fresh and clean, and use Biocuda Eco-Klean Pond Cleaner as needed to remove unsightly organic debris. The proper maintenance products will keep your feature clean and clear, naturally.

THE FASTFALLS

The FastFalls is a great way to simplify waterfall installation. Both the liner and the plumbing from the pump attach securely to the back of the FastFalls, so you'll never have to worry about leakage due to settling or shifting. Multiple internal baffles ensure smooth, even water flow, eliminating the dreaded 'hose-under-a-rock' effect while providing the FastFalls with crush-proof strength, so it's safe to bury under heavy rock work. Atlantic FastFalls make natural-looking falls a snap to build!

THE PUMP VAULT

The Pump Vault provides an ideal location for the pump in Pond-free water features, down in the hidden reservoir beneath the gravel. Slots in the sides of the Vault keep water recirculating while keeping gravel and debris out. The Pump Vault houses and protects the pump, allowing cleaning and maintenance without having to move a lot of gravel or stone. Just lift the cover for easy access!

ATLANTIC • WATER • GARDENS • UNIVERSITY

Want to know more? Check out Atlantic Water Gardens' University page on our website. There, learn all about pumps, filtration, aeration and so much more! When you finish, take the quiz to earn your Atlantic Water Gardens Certificate of completion.

There are a lot of great things happening at Atlantic, so go ahead...

Discover the Difference!

Atlantic™
Discover the Difference

CHOOSING THE RIGHT EQUIPMENT...

... can be a challenge. Kits make the choice easy -- simply choose the size water feature you want. Everything you'll need is included. When your equipment is properly matched, all the components work better and last longer, and your feature will stay looking great with less maintenance.

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