

## Create Your Own Backyard Oasis!

"My garden is my most beautiful masterpiece."  
- Claude Monet

Monet, the French painter considered the father of modern water gardening for the frenzied imitation his famous "Waterlilies" caused, was proudest, not of his art, but of his pond and garden.

The sound of water trilling and bubbling over stones, the reflections of ripples flickering in the sunlight, fish dancing and whirling around each other in an ever changing circular ballet — there is nothing more engaging than the fish pond. Long the focus of peaceful meditation in eastern cultures, where no garden is complete without water, contemplation of the pond has stirred the hearts of millions, spanning all cultural borders.

Maybe you would enjoy a tranquil pond filled with multicolored, fragrant waterlilies, like Monet's pond, where the emphasis is on the beautiful blooms and fish only serve to keep insects controlled.

Perhaps you are captivated by the amazing colors and patterns of schools of bejeweled Koi, coming when you call to nibble treats from your fingers.

Or you might like the idea of a naturally balanced pond where colorful flowering plants and clouds of goldfish live together, each supporting the other so that all thrive.

Whatever you decide, this guide will help you create the beautiful, low maintenance pond of your dreams.

The magic of your own beautiful water garden is waiting for you!

### Let's Get Started!

## EQUIPMENT WORKSHEET & CHECKLIST

### Sizing the Pump

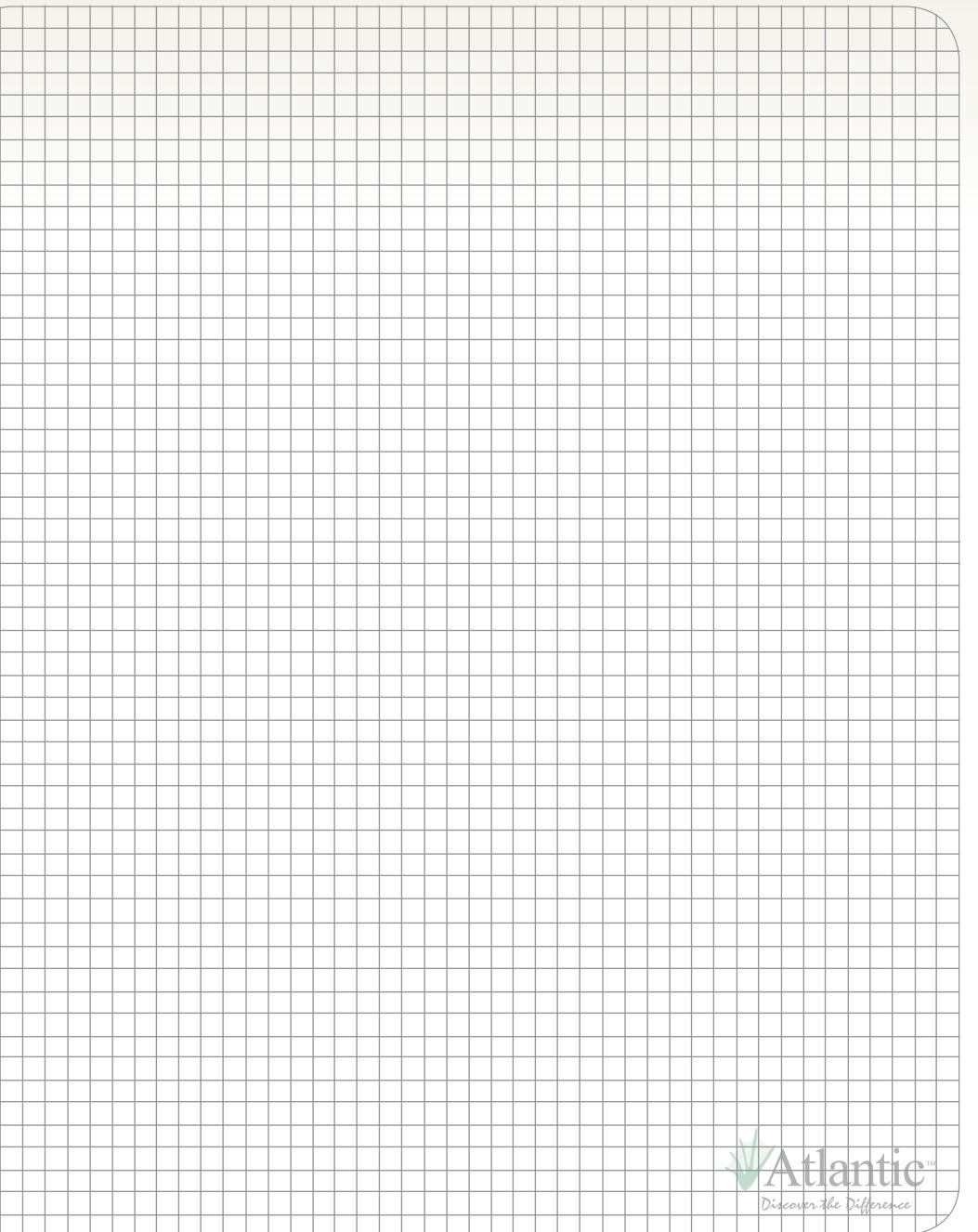
Volume = Avg. Length \_\_\_\_ x Avg. Width \_\_\_\_ x Avg. Depth \_\_\_\_ x 7.5 = \_\_\_\_ Gallons  
Total waterfall width \_\_\_\_ x 1500 GPH per foot (min) = \_\_\_\_ or x 2250 GPH per foot (max) = \_\_\_\_ GPH  
Height of Waterfall \_\_\_\_ + 1' per 10' of Tubing \_\_\_\_ + 1' per fitting \_\_\_\_ = \_\_\_\_ Total Head

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

### Sizing the Liner and Underlayment (Length, Width and Depth measured in feet)

Liner Length = (max length of pond \_\_\_\_ ) + (2 x max depth \_\_\_\_ ) + 2 = \_\_\_\_  
Liner Width = (max width of pond \_\_\_\_ ) + (2 x max depth \_\_\_\_ ) + 2 = \_\_\_\_  
Liner Length \_\_\_\_ x Liner Width \_\_\_\_ = square feet of underlayment \_\_\_\_

For liner measurements round up to multiples of 5 feet.



### Filtration Components

Pump(s) \_\_\_\_\_  
Skimmer \_\_\_\_\_  
FilterFalls \_\_\_\_\_

### Installation Components

Triton Check Valve \_\_\_\_\_  
Flex PVC Pipe \_\_\_\_\_  
45 mil EPDM Liner \_\_\_\_\_  
Underlayment \_\_\_\_\_  
PVC Glue/Primer \_\_\_\_\_  
FallsFoam \_\_\_\_\_  
Auto Fill \_\_\_\_\_  
Extra Plumbing Fittings \_\_\_\_\_

### Lighting

SOL Lights \_\_\_\_\_  
AWG LED Lights \_\_\_\_\_

### Accessories

Rock Lids \_\_\_\_\_  
Matala Skimmer Kit \_\_\_\_\_  
Matala Filter Kit \_\_\_\_\_  
Bio-Balls/Bio-Tech Media \_\_\_\_\_

### Maintenance

Bio-Max+ \_\_\_\_\_  
Bio-Max \_\_\_\_\_  
Clarity-Blast+ \_\_\_\_\_  
Eco-Klean \_\_\_\_\_  
Eco-Solv9 \_\_\_\_\_  
Quick-Clear \_\_\_\_\_  
Re-Vive \_\_\_\_\_  
Pond Nets \_\_\_\_\_  
Aeration \_\_\_\_\_

### Rock/Gravel

Large Boulders \_\_\_\_\_  
Small Boulders \_\_\_\_\_  
Gravel \_\_\_\_\_

### Plants

Submergents \_\_\_\_\_  
Floaters \_\_\_\_\_  
Water Lilies \_\_\_\_\_  
Marginals \_\_\_\_\_

### Fish

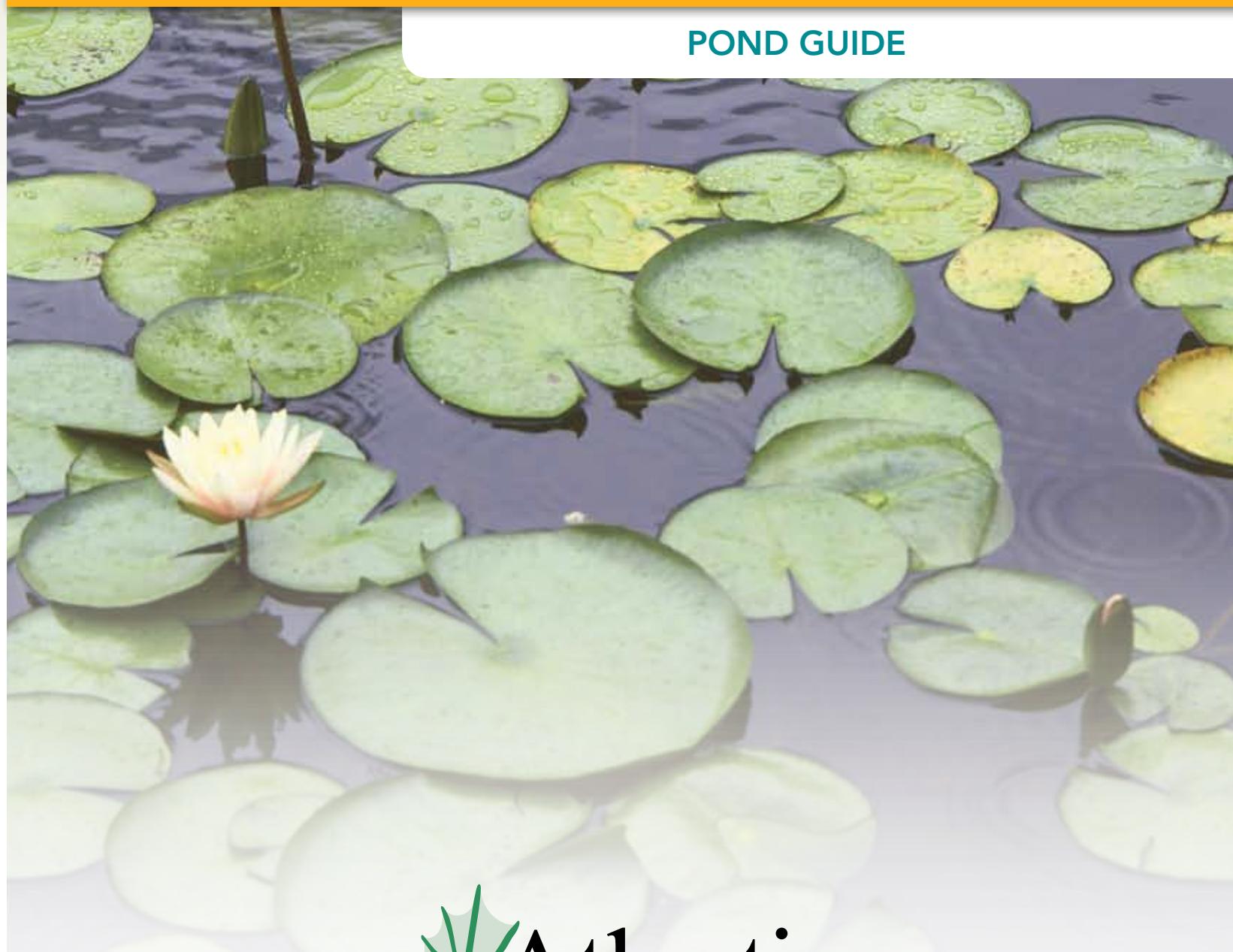
Koi \_\_\_\_\_  
Gold Fish \_\_\_\_\_  
Food \_\_\_\_\_

### Pond Kit

Oasis Pond Kit \_\_\_\_\_  
Pro Series Pond Kit \_\_\_\_\_

# Let's Talk Ponds

## POUND GUIDE





## CHOOSING THE RIGHT PUMP

The literal 'heart' of the pond, the pump circulates and aerates the body of water. You need to know:

- GPH -- The flow in Gallons Per Hour. The entire pond should be "turned over" a minimum of once an hour, so a 3,000 gallon pond needs a 3000 GPH pump. A typical waterfall requires 1500 GPH per foot of spillway width. To really show off a waterfall, figure up to 2250 GPH per foot of fall width. 4500 GPH cascading over a 24" wide waterfall is mesmerizing.

• HEAD -- The height of the waterfall in feet above the surface of the pond. Pumps are rated at specific head heights, so you'll need to know your desired GPH at your pond'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.



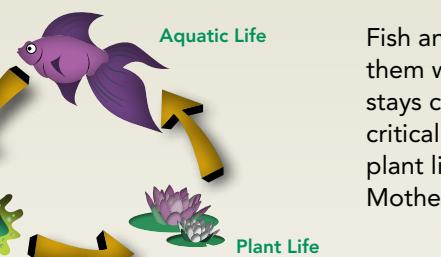
## THE SKIMMER

Just like in swimming pools, the best way to keep the pond clean is to remove debris before it sinks! The skimmer is a large pre-filter that the pump sits in, skimming and collecting floating debris before it can clog the pump or settle to the bottom. Although it's certainly optional, most ponds these days use skimmers for three very good reasons:

- The pump is easy to access for cleaning and maintenance.
- The skimmer filters the water and keeps the pump out of the muck so it usually lasts longer.
- Skimmers also skim, reducing the debris that collects in the pond.

The water from the pump in the skimmer is usually pumped into the third component of the filtration system, most commonly a FilterFalls Biological Filter. The skimmer also houses and protects the pump, right at the edge of the pond for easy access. It's no wonder they've become the industry standard.

## REMEMBER, PONDS ARE AN ECOSYSTEM



Fish and animals are supported by plants and bacteria, and in turn support them with their waste. When in balance, bacteria, plants and fish thrive, water stays clear and clean and maintenance is minimal, so achieving balance is critical. Atlantic's Skimmers, FilterFalls and Treatments complement fish and plant life to provide the tools needed to create a balanced ecosystem, like Mother Nature intended.

## CREATING A BALANCED ECOSYSTEM



## WATER TREATMENTS

The key to low maintenance is balance. By their very nature, ponds build up organic debris from fish and plants. Add beneficial bacteria regularly to remove organic sludge and toxins, to naturally restore balance. With fish, plants and beneficial bacteria in equilibrium, there's less work for the filter equipment to do and water stays clearer and cleaner naturally. Biocuda products put balance on the fast track, providing everything needed to make your water feature as attractive and easy to maintain as possible!



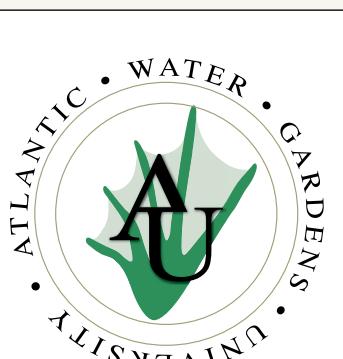
## CHOOSING THE RIGHT EQUIPMENT...

... can be a challenge. Kits make the choice easy -- simply choose the size pond and pump you want. Everything you'll need is included. When your pond equipment is properly matched, all the components work better and the pond stays cleaner and clearer with less maintenance.



## THE FILTERFALLS

The FilterFalls is not only the starting point for a natural looking stream or waterfall, it is your water garden's home for beneficial bacteria. Beneficial bacteria breaks down organic debris and fish waste, providing food for plants. Multiple pads or mats provide the oxygen rich environment for beneficial bacteria to flourish. The addition of biological media enhances beneficial bacteria growth by providing additional surface area for bacterial colonization.



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!*



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Discover the Difference