



## Skimmer Intake/Pump Assembly

### 1 EXT Pond Pump

Ideal for providing recirculating water in recreational ponds that require an external style of pump. The high flow rates of the EXT pumps make them perfect for supplying water to waterfalls, wetland filters, and recirculating water jets.

### 2 EXT Plumbing Kit

Includes fittings, flanges, valves, and hardware needed to install the EXT pump at the perimeter of the pond's edge.

### 3 Flexible PVC Pipe

Easy-to-install flexible PVC pipe reduces the need for elbows and couplings to insure maximum water flow, reducing the total dynamic head between the intake bay, wetland filter system, and recirculation jets.

### 4 Pondless® Waterfall Vault and Extension

The pump vault is a convenient structure to house the pump intake and piping system while protecting the pump from rock and debris.

### 5 AquaBlox® Water Storage Modules

AquaBlox create a structural void space that

diffuses the incoming water velocity while effectively removing floating debris from the surface of the pond. The internal web of water matrices thoroughly mixes the water to increase water quality.

### 6 Smart Pond Dosing System XT

Automatically adds water treatments to keep your recreational pond clean and clear.

## Deep Water Recreational Pond

### 7 Liner, Underlayment, and Rock Pad

The latest technology in water containment creates a flexible waterproof membrane in the Skimmer Intake/Pump Assembly, Deep Water Recreational Pond and Wetland Filtration System that conforms to any excavation or shape. Liner paired with specialized geotextiles help to stabilize the subsoils while providing additional structural integrity to protect the membrane from damage. Rock Pads are used with liner and underlayment to provide additional protection under heavy boulders.

### 8 Rock, Gravel, and Sand (not included)

Protects the liner, naturalizes the pond bottom, and provides surface area for beneficial bacteria to break down excess nutrients.

## Wetland Filtration System

### 9 Snorkel® Vault, Extensions, and Cap

Provides a convenient access point to the sediment trap for yearly maintenance procedures.

### 10 Centipede® Module

Positioned at the lowest point of the filter to reduce water velocity by 93%, allowing the sedimentation process to occur.

### 11 AquaBlox® Water Storage Modules

Provides lateral distribution of water to insure optimal contact with the filter bed while providing uniform distribution of dissolved oxygen.

### 12 Flexible PVC Pipe

Easy-to-install flexible PVC pipe reduces the need for elbows and couplings to insure maximum water flow, reducing the total dynamic head between the intake bay, wetland filter system, and recirculation jets.

### 13 Rocks and Gravel (not included)

Specifically graded river rock provides a natural surface for microbial colonization to insure optimal water quality.

### 14 Plants (not included)

Aquatic plants complete the filtration cycle by capturing and storing the remaining dissolved nutrients from the water column. The root systems penetrate deep within the filter bed, creating a symbiotic relationship with the filter, and mimicking nature's time-tested strategy for healthy aquatic ecosystems.