

BIOLOGICAL AND MECHANICAL FILTRATION

A key point with all our filter systems is that you would never know they are there. All you will see is a pond;

A pond needs two parts – a mechanical filter and a biological filter.

MECHANICAL FILTERS

These are critical for removing solid waste! Biological filters will not work properly if this debris is not removed first.

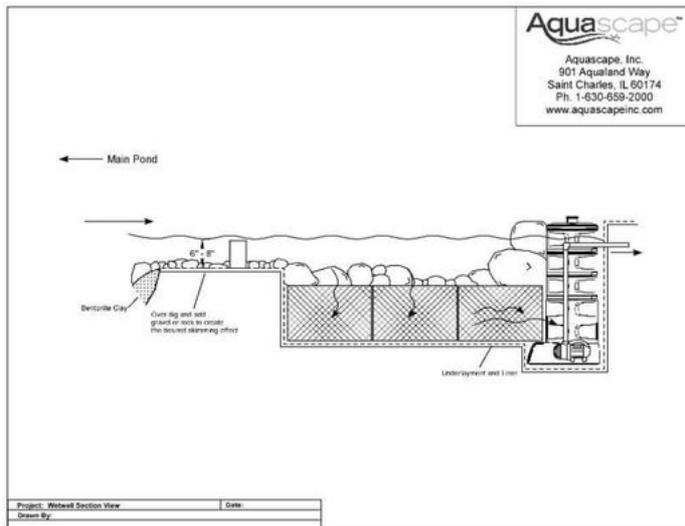
2 METHODS

SKIMMERS

Skimmers are ideal for smaller ponds, they house the pump safely away from wildlife and draw the surface water from the pond through a removable collection basket to trap leaves and other solids for easy removal.

INTAKE BAYS

These are customised to suit the size of the pond and the location and we typically use intake bays in larger ponds which require large pumps and need a large skimming area. Leaves and debris are removed with a dipping net.



Everything is hidden but accessible through the pump vault and all moving parts are out of reach of wildlife; the intake bay simply looks part of the pond.

Whether we use a skimmer or intake bay the purpose is the same and highly oxygenated water is pumped to the biological filter.

BIOLOGICAL FILTERS

BIO-FALLS

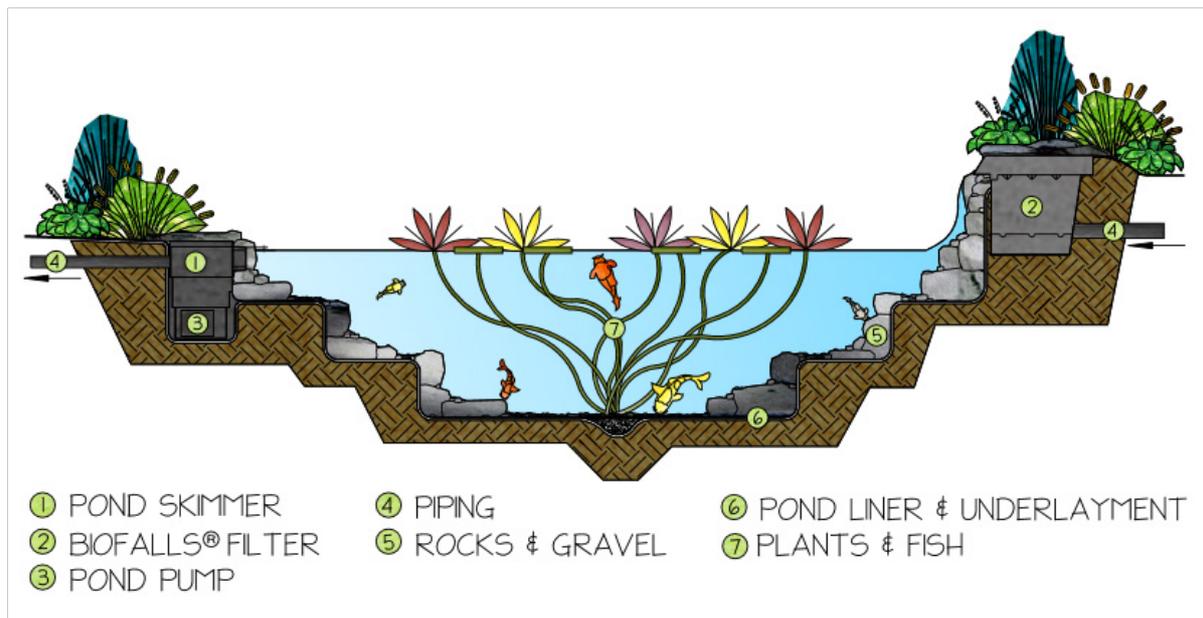
Bio-falls, these are our biological filters which also form the start of the waterfall return to the pond. We build a natural looking cascade or longer stream if you wish and allow us to naturalise the look of the filter as part of the pondscape.

The water passes up through layers of filter sponge and then through biological filter media before returning to the pond through a waterfall fully oxygenated. Correctly installed you would never know it was there.

These are designed to be low maintenance and we typically service these annually.

WETLAND FILTRATION

Wetlands are Mother Nature's filters. They are now being reintroduced to rivers and flood plains to deal with excess flow and pollutants to support the natural environment. No filter comes close to achieving the results you can get with an Up-flow wetland filter.



They work by allowing the water from the pump to slow down and for sediments to settle in the void chamber. This water slowly percolates through differing layers of graded stones which support the beneficial bacteria and other microscopic life which thrive in the highly oxygenated water.

The top of the filter is planted and looks like a natural pond. These are constructed to be serviceable and so will last long term indefinitely.

This is our method of choice for larger ponds and those with heavy loads such as large Koi ponds, farm pond applications and natural Swimming ponds.