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ROCK AROUND THE BLOCK

Pond Biological Filtration

A biological filter, no matter which brand, is meant for one purpose...to biologically detoxify CLEAR pond water.

It is not designed to remove sludge and organic matter from a pond. This would normally be removed when required by scoop, vacuum cleaner or via a drain hole to which the base of the pond would slope. The latter method is commonly used in koi ponds. The sludge makes excellent garden fertilizer. This cleaning procedure must be performed with the pump off to avoid choking the biological filter with muddy water, switching back on after about two hours when the mud has settled. Sludge is required in watergardens to help beneficial bacteria carry out the detoxification process.

If this correct watergarden management procedure is used you will not require complicated biological filters that use unnecessary backwash or sponge squeezing levers.

To help maintain your pond's balanced ecosystem you must **NEVER empty and scrub out** your pond. Plant pruning, water top up & removal of surplus excess sludge are carried out as required.

The addition of the [Ultra Violet Clarifier \(UVC\)](#) into the relatively small ecosystem of a sun or warm climate stressed watergarden ensures (if within specifications) that the water remains clear & allows more efficient biofiltration. This is achieved by bleaching and destroying suspended algae spores as the water passes the bulb.

The UK manufacturer, Hozelock Cyprio invented the pressurised compact pond filtration system. The Bioforce Pond Filter, along with its more popular partner, the Bioforce UVC Pond Filter are the world leaders at keeping ponds balanced, clean and clear. The biomedica within the units replicates a natural stream's ability to remove toxins from decaying organic matter. In some ways it can be compared to a sewage treatment works in a country town, where in most cases the treated water is pumped back into the river.

In mature natural ponds with a rocky waterfall, plenty of water-plant life, including a marsh, as seen in the home page, filtration is easily managed. The only maintenance required is an infrequent partial washing of the foams in a bucket of pond water.

It is essential that biological filter units or biomedica in the bottom are never washed out, otherwise the bacteria colony is destroyed, which will take 6 weeks to re-form. They work best dirty, as long as the water is able to pass through. The Biological Filter must never be compared to a swimming pool filter or vacuum cleaner... **It is a totally different concept.**

In this range we offer the following:

[Hozelock Cyprio Bioforce Filters](#) - made by [Hozelock Ltd UK](#).

[Jebao Biological Filters](#) - made by [Jebao Co Ltd China](#)

[Hozelock Cyprio Easyclear](#) - the perfect system for a courtyard watergarden reflection pond.

All Hozelock Cyprio UVC pond filter systems as long as they are correctly sized, and installed are offered with a guarantee of clearwater. Clearwater or your money back.

The Hozelock Cyprio Bioforce Pond Filter and the Jebao Bio-Filter pressurised pond filter with an integrated Ultra Violet Clarifier (UVC) are relatively small and can be hidden in the ground. They are very easy to install, and simple to maintain. They both use low cost industry standard PL-S TUV lamps, that we offer as spare parts. This provides a distinct advantage over many competitor's filters which use expensive proprietary lamps.

Being pressurised by the pond pump, water can be pumped up from the Bioforce to the top of a waterfall. This makes it even easier to hide - you can place the pond filter behind your waterfall.

All biological filters must be run 24 hours a day to run efficiently. Ideally they should be run all year except if in frozen climates.

For complete information on Hozelock Cyprio Bioforce Filters, you can [download Hozelock Cyprio's brochure](#).

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