BIOTOP POOL

SWIMMING IN PURE WATER.

ORIGINAL BIOTOP POOL

The Biotop Pool looks like a chemically treated pool but operates like a natural pool. The only difference is that the new biological and phosphorous filters replace the water plants. The new PhosTec-Ultra filter is integrated into the water circulation and binds the phosphorous dissolved in the water with a new filter material.
What is so “ingenious” about the Biotop Pool is the intelligent combination of tried-and-tested components from the natural pool system with the PhosTec pressure filter. The biological filter method is the same used in drinking water treatment.

DEMONSTRATION POOLS

Biotop Pool Schuler

Biotop Pool Weidling

Biotop Pool Daldrup

Biotop Pool Woodhouse

POOL ROBOT

The pool robot runs independently and its operating time can be set as needed.

THE TRIED-AND-TESTED COMPONENTS

- The curved sieve skimmer. The curved sieve skimmer cleanses and removes even the slightest impurities from the water surface.
- The submerged pump house. The pumps of the submerged pump house operate quietly and the maintenance is low. During winter the pumps do not have to be removed.
- The biological filter. The biological filter purifies and decomposes all forms of impurities.
- The pool robot. The pool robot does not only clean the bottom of the pool but can also climb up the walls.

Skimmer

Pump House

Bio Filter

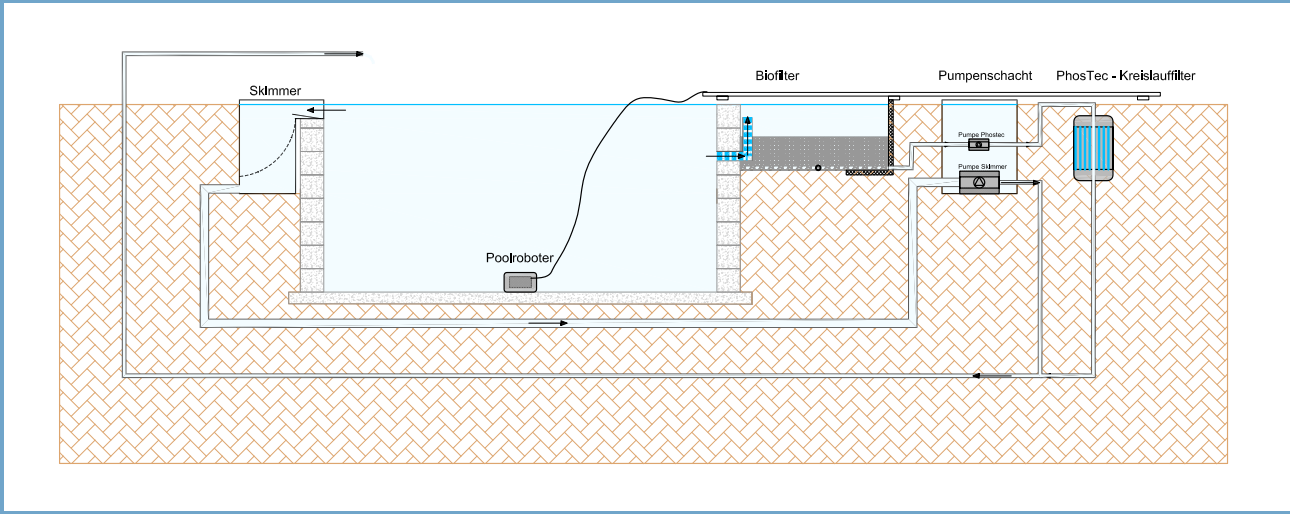
PhosTec – Circulation Filter1

HOW THEY WORK TOGETHER

- The curved sieve skimmer and the submerged pump house create the first water circulation which runs approximately four hours per day during the season. The pump's short operating time minimises electricity consumption.
- The biological filter and the PhosTec pressure filter are operated by a second, smaller pump that draws out the water from the bio filter and pumps it into the PhosTec. This pump runs constantly and is located as an individual circulation system in the submerged pump house.
- The pool robot runs independently and its operating time can be regulated as required.

THE LOCATION

Any components are concealed under the deck elements. This way there is no need for additional space.



QUESTIONS FOR THE BIOTOP POOL INVENTOR PETER PETRICH

What is the difference between a Biotop Pool, a Natural Pool and a traditional pool?

Unlike the Natural Pool the Biotop Pool does not have a regeneration zone with plants and there are neither animals nor plants. It looks like a traditional swimming pool. In contrast to the traditional pool the Biotop Pool is not operated with chlorine or other toxic chemicals. The water is treated on a purely biological and physical basis which means that the water's quality is very high – this is pure water.

Please tell us how the Biotop Pools operates and why you think that you do not need any chemicals.

During the past few years we have had several great innovations such as the PhosTec filter, the curved sieve skimmer or the submerged pump house. Using the PhosTec filter we are able to remove phosphate that causes algae. The curved sieve skimmer automatically eliminates even the smallest impurities from the water surface and the submerged pump house keeps the water moving in an extremely quiet and energy-efficient way. By intelligently combining these components we finally came up with the Biotop Pool. The Biotop Pool has two water circulation systems. One of them operates the curved sieve skimmer with a relatively powerful pump. This circulation only runs a few hours per day.
The second one is equipped with a very small pump. This pump runs constantly and operates a biological filter combined with an advanced PhosTec filter.
The careful circulation allows the water to be cleansed on a purely biological basis. Algae needs phosphor and sunlight to grow. Take away one and the water remains crystal clear with virtually no algae within the pool system. Simple natural science being used intelligently – no complex treatments, chlorine chemicals or toxic bi products in the water.

ADVANTAGES OF THE BIOTOP POOL

- Only small space needed
- Swimming in naturally filtered water
- No use of chemicals
- Swimming without any side effects – ideal for people with allergies
- Use of proven Natural Pool system components
- Simple easy operation
- Low maintenance
- No plants and animals in the pool
- No sediment on the pool walls
- Possible use of pool robots
- Low running costs
- The pool can be covered and heated

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ORIGINAL B!OTOP POOL

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