

# Submerged pump house

## THE QUIET ALTERNATIVE

BIOTOP offers a pump house with a completely new concept. The pump is not placed in a “dry” enclosure; a submersible pump is installed in a flooded pump house. The pump does not “suck in” the water but flows into the pump house without pressure. The submersible pump lies on the floor of the pump house and transports the water into the natural pool through pressure lines.

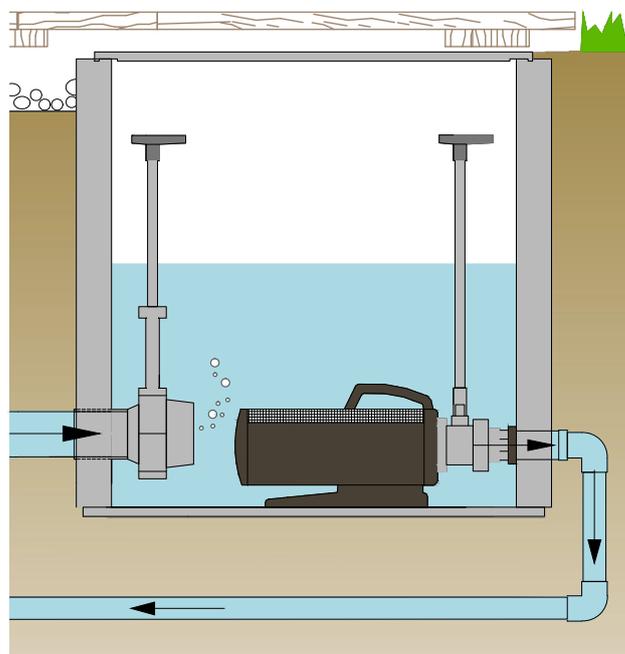
The new concept provides a number of advantages:

- 1 Submersible pumps are considerably quieter than dry pumps.
- 2 The pump as well as all valves and pipe connections are at a non-freezable depth. This considerably increases usability, because the pump-house does not have to be winterized. In other words, the pump remains in the pump house throughout the winter and the pipes do not have to be emptied. To winterize the pump it simply has to be turned off.
- 3 The motor is cooled more efficiently by the surrounding water than by air.
- 4 Submersible pumps need less energy and this not only saves electricity – our contribution to environmental protection.
- 5 All suction and pressure lines can be regulated gradually, independently from one another with gate valve. The levers are situated on the upper edge of the pump house and connected to the valves with rods, so that they can be used easily.

Any concern that there is danger of getting electrocuted while swimming is unfounded, because the pump is safely positioned in the pump house and is separated from the swimming area, and with any disturbances the fuse shuts off the system. Naturally the new pump house complies with all regulations.

The equipment can be custom configured and includes, for example:

- two suction lines (110 mm for skimmers and 63 mm for plant filters)
- two pressure lines (63 mm)
- submersible pump, as needed, up to two filter pumps and one skimmer pump.



The Advantages of the submerged pump house:

- minor pump noise
- pump does not have to be put away in winter
- pipes do not have to be emptied in winter
- low energy requirements

Please note: A vacuum set cannot be connected in the submerged pump house.

