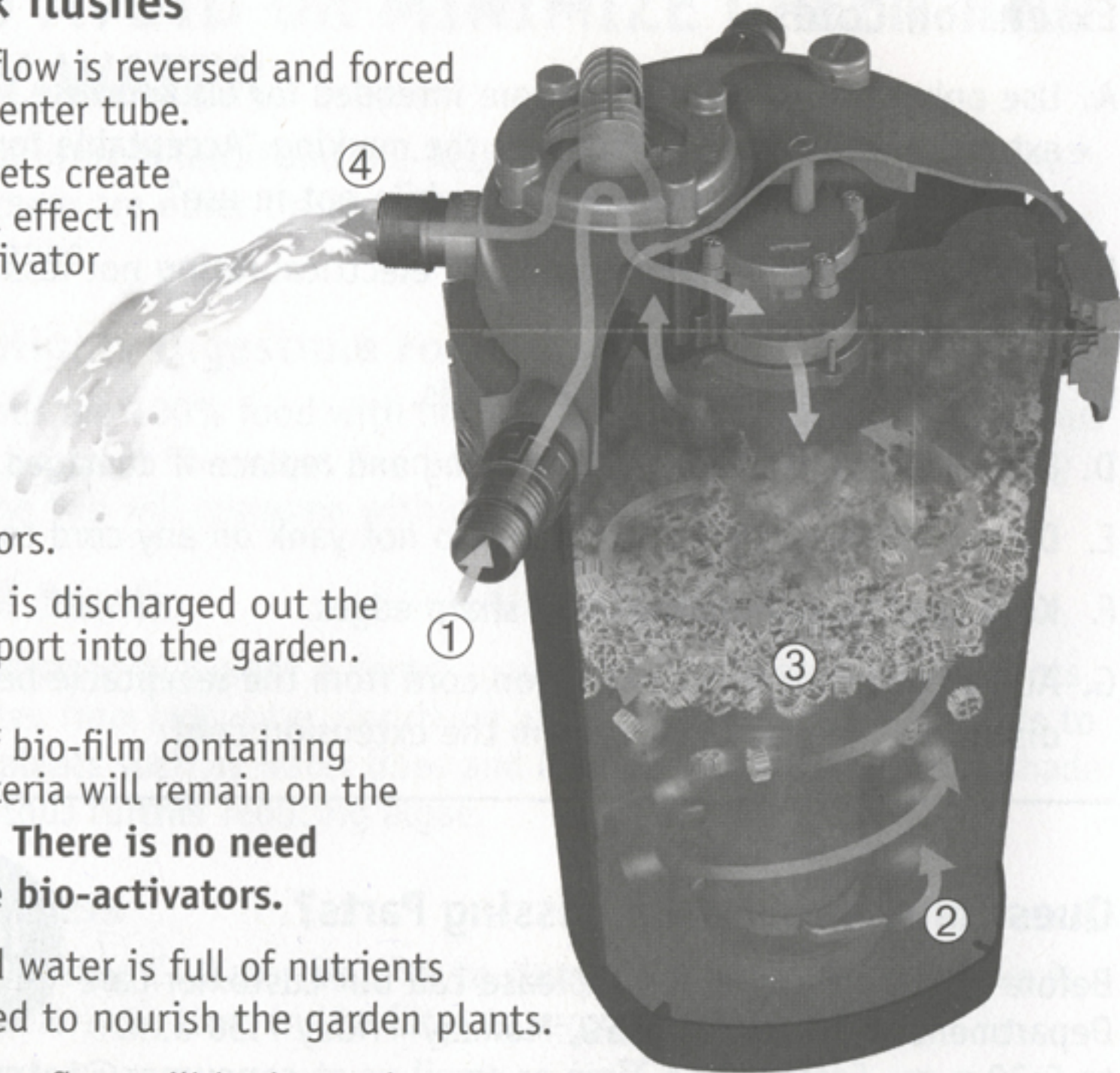


## How it back flushes

1. The water flow is reversed and forced down the center tube.
2. The water jets create a whirlpool effect in the bio-activator chamber.
3. Dirt and debris is loosened from the bio-activators.
4. Dirty water is discharged out the back flush port into the garden.



A thin layer of bio-film containing beneficial bacteria will remain on the bio-activators. **There is no need to replace the bio-activators.**

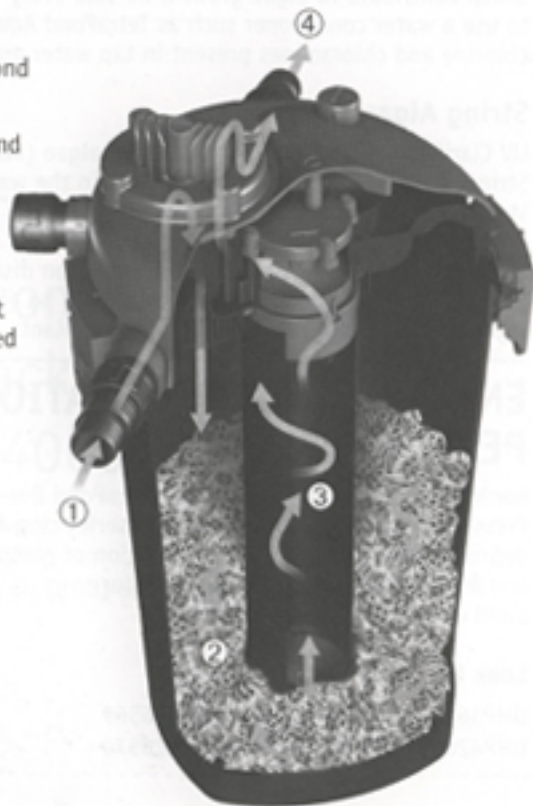
The discharged water is full of nutrients and can be used to nourish the garden plants.

**TIP:** If the water flow still looks weak after the back flush operation, open the lid and check to see if the strainer is clogged with string algae or debris. Remove any debris that has accumulated on the cage.

**Be sure the vessel is about half full of water when reassembling the filter.** See assembly instructions for more details.

## Filtration Process

1. Pump water from the pond to the pressure filter.
2. Water is mechanically and biologically filtered.
3. Filtered water is forced up the center tube. In models with a UV Clarifier, the UV light destroys the single-celled algae's availability to reproduce.
4. Filtered water is forced under pressure to the waterfall or stream.



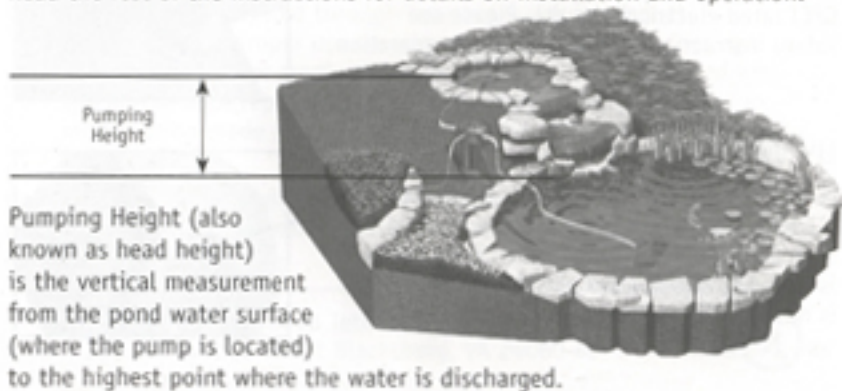
## Positioning Your Pressure Filter

### General Installation Instructions:

- Position the pump far from the waterfall or stream for maximum pond circulation
- Position the pressure filter anywhere around the pond. Since the discharge is under pressure, it may be located downhill from the waterfall if you choose
- Connect pump to the filter with tubing
- Connect filter discharge port to the waterfall with tubing

**Caution:** The discharge tubing ID should **not** be smaller than the intake tubing.

Read the rest of the instructions for details on installation and operation.



Pumping Height (also known as head height) is the vertical measurement from the pond water surface (where the pump is located) to the highest point where the water is discharged.