

## **UV-C clarifiers**

### **Keeping pond algae and germs down**

UV-C filters play an important role in maintaining ponds' ecological balance. They sterilise the water, reducing algal algae growth and ensuring healthy living conditions for plants, fish and other pond creatures.

UV-C filters are an integral component of many pond filters. They are also very effective when used independently.

### **Algae endanger the ecological balance**

During the pond season, when sunlight and warm weather heat pond water up, algal blooms create a serious hazard. Warmth and sunlight cause algae to proliferate non-stop. Unless action is taken to maintain the biological balance, heavily proliferating floating algae will cloud the water and turn it green, sometimes causing unpleasant odours as well. Algal blooms consume very large amounts of oxygen, so that fish and other pond creatures no longer have enough for their needs. In addition, ponds with uncontrolled algae harbour germs in large numbers, causing and spreading disease.

Algal blooms are usually most conspicuous in the summer months, but they begin to develop in spring. Therefore spring – before algae have become extensive – is the time to take effective action against the blooms. The further algae growth has progressed, the more difficult and expensive effective countermeasures will be.

### **UV-C filters keep algae and germs at consistently low levels**

UV-C filters provide very effective sustained protection against algae growth and blooms. They are highly effective for killing pathogens and germs, significantly lowering the bacterial load in water. This considerably improves living conditions for fish and plants. UV-C filters also improve the appearance of a pond by clarifying the water – without the use of any chemicals whatsoever.

The key parameter in the choice of a UV-C filter is the size of the pond. In small ponds up to a volume of 6,000 litres, the 7 watt UV-C filter is highly effective. For small and medium-sized ponds up to a volume of 10,000 litres, however, the 11 watt UV-C filter is recommended. The more high-powered 13 watt filter achieves best results in medium and larger ponds containing a maximum of 12,000 litres of water. All three models are distinguished by being not only highly effective but also extremely low-maintenance. UV-C tubes can be quickly changed when necessary. A glance at the function indicator tells you whether the UV-C filter is operating at the desired level of effectiveness.

**Main technical information for comparison:**

	UV-C-Filter, 7 watts	UV-C-Filter, 11 watts	UV-C-Filter, 13 watts
UV-C tube capacity	7 Watt	11 Watt	13 Watt
Max. pond volume	6.000 l	10.000 l	12.000 l
Max. flow rate	3.000 l/h	2.500 l/h	3.000 l/h
Weight (gross)	1,8 kg	1,3 kg	1,8 kg

Table: Main technical information for UV-C filter

**High-quality replacement tubes for UV-C filters**

UV-C tubes have a long service life and operate at full effectiveness for about 3,000 hours. This is roughly equivalent to the operating time for one complete pond season from March to October. After a season these tubes lose their effectiveness and should therefore be changed. Simply looking at the UV-C filter's function indicator will tell you if the tube needs to be changed. Our extensive range offers a selection of replacement tubes of different types.





