

JBL

JBL



JBL AquaCristal UV-C

Water Clarifier for aquarium and pond

- Removes cloudiness reliably and fast
- Reduces germ pollution
- No damaging side-effects
- Excellent efficiency due to water channelling system
- For aquariums (fresh and saltwater) and garden ponds
- Simple and space-saving installation

Can your fish still see the light?

Crystal-clear and healthy water in the aquarium and pond.

With the new UV-C water clarifier JBL AquaCristal UV-C you can clear up water cloudiness and reduce the number of germs in the water!



Your specialist JBL retailer

JBL Online Laboratory

Safe and fast analysis of water values.

- Free
- No registration required
- No log-in
- 24 hour
- Simple

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Art.Nr.: 9703110



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Cloudy water – a problem with different causes and a crystal-clear solution

Why do floating algae and bacterial cloudiness occur?

The cause of floating algae is an excess of nutrients in combination with light. Direct sunlight combined with increased nitrate and phosphate levels leads to green water, whether in an aquarium or a garden pond.

On the other hand, white cloudiness is caused by increased bacteria. This can often be observed in newly-established aquariums and ponds.



UV-C light has been proved to kill germs. However, as the “good” bacteria live in the substrate in the filter and ground-covering material, the UV-C light is highly effective against the germs which cause disease as these are almost exclusively found in the open water. The low number of germs in the water reduces the infection risk for the fish, which are therefore less exposed to disease.

The JBL UV-C Water Clarifier produces UV-C light with a wave length of 258 nm.

This is the only wave-length which has a strong germ-destroying effect.

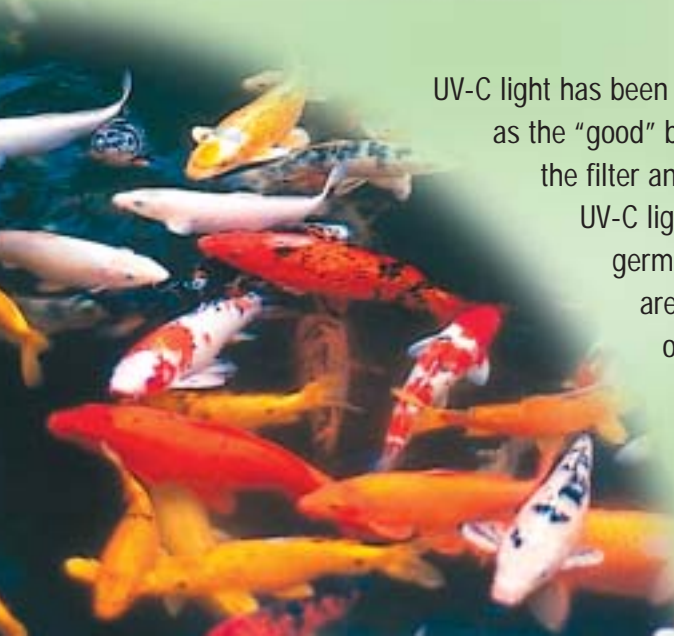
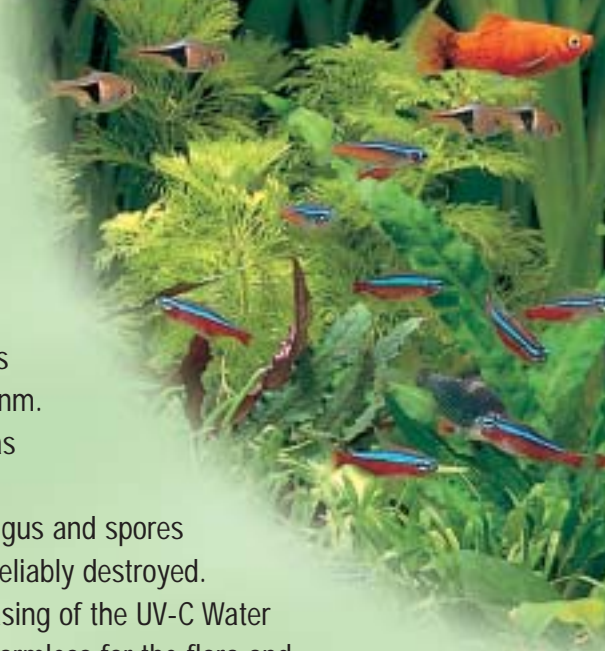
Floating algae as well as bacteria, fungus and spores floating in the water are quickly and reliably destroyed.

The radiation is retained within the casing of the UV-C Water Clarifier and is therefore completely harmless for the flora and fauna of the aquarium.



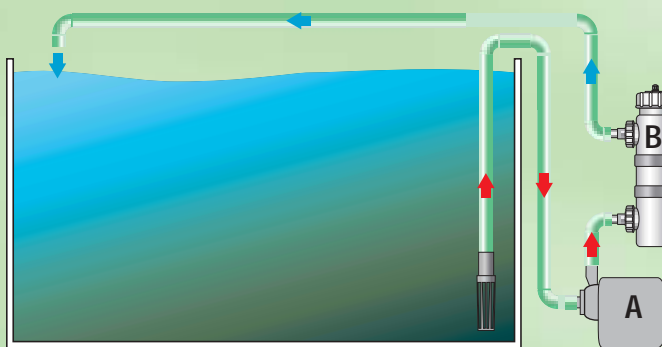
The aquarium or pond water is driven by an external pump or a filter through the casing of the JBL AquaCristal UV-C. It flows directly past the UV-C light which destroys all the germs and algae in the water.

The effectiveness of the JBL UV-C water clarifier was doubled by installing walls to channel the course of the water within the unit. The capacity was further doubled by using UV-C-reflecting paint on the inside walls of the casing. The high efficiency can be easily recognised by the compact design of the unit. As both connections are on the same side of the casing, the unit is easy to install and does not take up much space.



JBL AquaCristal UV-C Water Clarifier – simple to use, highly effective

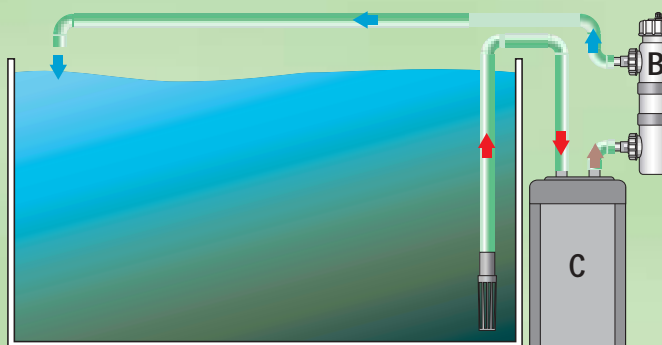
Use in an aquarium



A - pump B - JBL AquaCristal UV-C C - filter

Install a water pump in front of the JBL UV-C Water Clarifier. The pump capacity required can be found on the table on the next page but one.

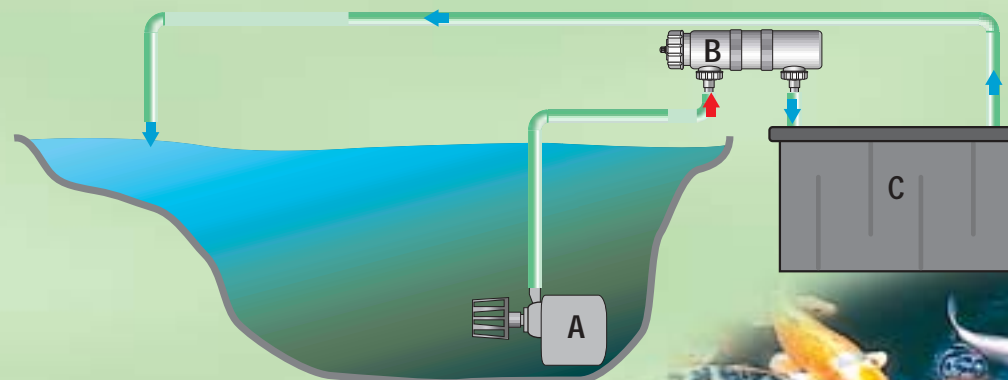
Or alternatively:



If you wish to combine the UV-C Water Clarifier with your filter, it should be installed after the filter, as installation should always be on the pressure side of a pump.

Use in a garden pond

We recommend the use of a separate pump here, which channels the water through the UV-C clarifier into the pond filter. All the destroyed algae and germs are thus captured by the filter and removed.



A - pump B - JBL AquaCristal UV-C C - pond filter

Please note that vitamins and modern fertilisers are adversely affected by UV-C light. During the time that the JBL UV-C unit is switched on, vitamins and modern fertilisers should therefore not be used.

The right model for every need

Fresh and salt-water aquariums

JBL AquaCristal UV-C 5 Watt

Removes cloudiness		Partial degermination	
Tank size	recom. pump performance	Tank size	recom. pump performance
200-400 l	100-200 l/h	20-100 l	50-100 l/h

JBL AquaCristal UV-C 9 Watt

Removes cloudiness		Partial degermination	
Tank size	recom. pump performance	Tank size	recom. pump performance
300-600 l	100-200 l/h	100-150 l	50-100 l/h

JBL AquaCristal UV-C 11 Watt

Removes cloudiness		Partial degermination	
Tank size	recom. pump performance	Tank size	recom. pump performance
600-1000 l	150-350 l/h	150-200 l	100-150 l/h

JBL AquaCristal UV-C 18 Watt

Removes cloudiness		Partial degermination	
Tank size	recom. pump performance	Tank size	recom. pump performance
1000-1500 l	300-500 l/h	200-400 l	150-200 l/h

JBL AquaCristal UV-C 36 Watt

Removes cloudiness		Partial degermination	
Tank size	recom. pump performance	Tank size	recom. pump performance
1500-3000 l	400-1000 l/h	300-600 l	200-400 l/h

Example:
Your aquarium contains 250 liters water and you would like to permanently reduce the number of germs. To do so you need an 18 Watt JBL UV-C AquaCristal Water Clarifier with a pump (e.g. JBL ProFlow mini 400) or a filter (e.g. JBL CristalProfi120), which delivers 150 – 200 liters an hour. If the pump capacity is too high, it can be reduced to the level required on the outlet side of the pump.



Garden pond

JBL AquaCristal UV-C 5 Watt

Removes cloudiness		Partial degermination	
Pond size	recom. pump performance	Pond size	recom. pump performance
3000-5000 l	500-1000 l/h	300-500 l	100-200 l/h

JBL AquaCristal UV-C 9 Watt

Removes cloudiness		Partial degermination	
Pond size	recom. pump performance	Pond size	recom. pump performance
5000-9000 l	500-1000 l/h	500-800 l	100-200 l/h

JBL AquaCristal UV-C 11 Watt

Removes cloudiness		Partial degermination	
Pond size	recom. pump performance	Pond size	recom. pump performance
8000-11000 l	1000-1500 l/h	800-1000 l	200-300 l/h

JBL AquaCristal UV-C 18 Watt

Removes cloudiness		Partial degermination	
Pond size	recom. pump performance	Pond size	recom. pump performance
12000-18000 l	1500-3000 l/h	1000-1800 l	300-500 l/h

JBL AquaCristal UV-C 36 Watt

Removes cloudiness		Partial degermination	
Pond size	recom. pump performance	Pond size	recom. pump performance
25000-35000 l	2000-4000 l/h	1500-3000 l	500-1000 l/h

