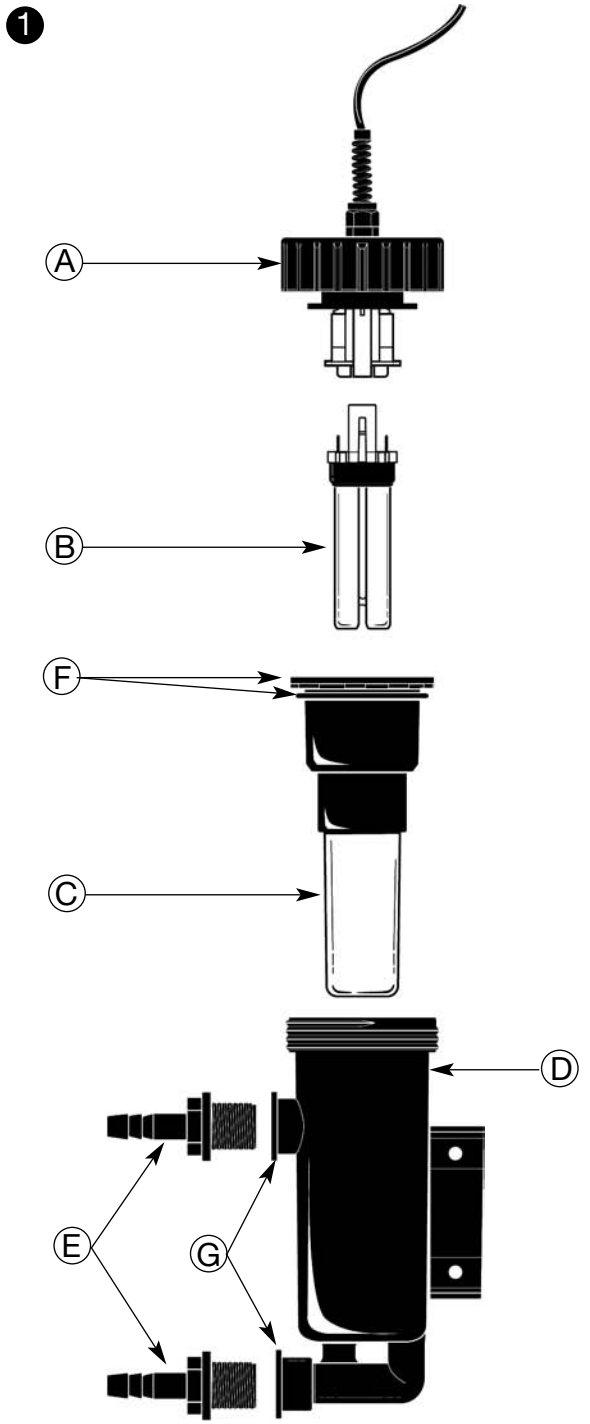
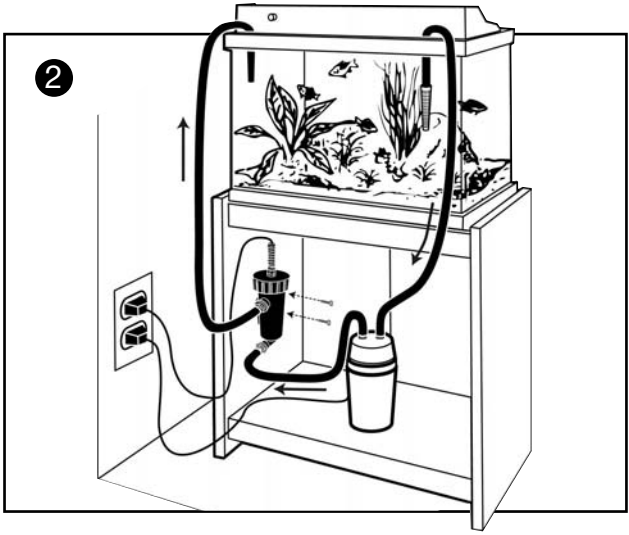
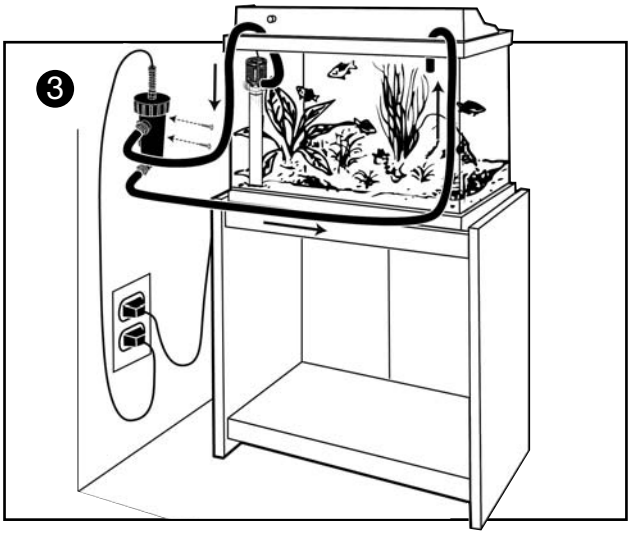
Tetratec®

UV 400 / UV5

Tetra


1
A
B
F
C
D
E
G


2


3


4

Tetra*tec*®

GB

UV 400 Ultra Violet Clarifier

Dear Customer,

Congratulations on the purchase of your advanced Tetra*tec*® Ultra Violet Water Clarifier. This Ultra Violet Water Clarifier has been carefully designed to provide a powerful and continuous ultra violet radiation that will destroy harmful organisms that are exposed to the ultra violet light thus reducing the possibility of disease problems.

Before installing the unit please read this instruction leaflet thoroughly and retain it for future reference.

Tetra*tec*® Ultra Violet Clarifer

A. Screw Cap
B. UV-C high performance bulb (Philips® PL-S 5 Watt)
C. Quartz glass tube
D. Housing
E. Inlet/Outlet hose connectors
F. Quartz Glass Tube O Ring
G. Rubber sealing rings for hose connectors

The Tetra*tec*® UV 400 is suitable for use in all fresh water aquariums up to 400 liters in capacity.

How the Tetra*tec*® UV 400 works

The clarifier works by exposing microorganisms to very high levels of ultra violet light as the water containing them is pumped through the unit. The UV radiation damages the DNA and causes it to split into two separate helices which results in the cell's death. This will help prevent disease outbreaks since free-swimming stages of parasites, bacteria, algae and fungi will be destroyed. However, the UV Clarifier will not adversely affect fish or the beneficial nitrifying bacteria and algae attached to the filter bed, gravel and aquarium walls.

Installing your Tetra*tec*® UV 400

The Tetra*tec*® UV 400 is designed for use with a powerhead, water pump or canister filter (for correct size of powerhead, water pump or canister filter please refer to the section on technical data).

Positioning Your Tetra*tec*® UV 400

1. The Tetra*tec*® UV 400 is not submersible and should not be positioned where there is a likelihood of the unit falling into the aquarium. The unit may be mounted on any surface inside the cabinet or against a wall (see Illustrations 2 and 3). Insert the UV-C bulb (B) into the connector (A). Place the unit in an upright position to insure correct operation.

Note: Avoid touching the bulb with bare hands and remove any marks using a clean cloth.

2. The inlet and outlet connections (E) are universal and water can flow through the unit in any direction. Choose the inlet connector size of the UV according to the outlet size of your powerhead, water pump or canister filter. Choose the outlet connector size of the UV according to the inlet size: make sure that the outlet size is at least as large as the inlet. Remove the unused smaller section of the UV hose connector with a saw if necessary. Ensure that the rubber-

sealing ring is in place before screwing the hose connector into the unit.
Note: the unit should always be placed after the filter. That way, the water flowing through the UV will be free of particles that may clog the unit and reduce the efficiency of the UV light penetration.

3. The inlet and oulet hoses can be fitted to the unit and should be secured using hose clips (not included)

4. Plug the unit into the electrical outlet to start the UV operation. When working a purple (ultra violet light) can be seen through the transparent hose connectors. The harmful UV light will not pass through the transparent connectors.
The unit should remain in operation 24 hours a day for best results.

NB: Switch off the UV unit when using fish treatments or medications.

5. An operational test can only be carried out when the equipment is fully assembled.

Maintenance and Care

When carrying out any maintenance the unit must be disconnected from the mains. Always remove inlet and outlet hoses and drain the unit of water before cleaning. Carefully dismantle the unit by first unscrewing the unit cap and removing the bulb. The quartz tube may be loosened by using a small coin or a screwdriver and can then be carefully removed. Clean with a soft cloth to avoid scratching the quartz. When reassembling ensure that the sealing rings are properly seated (lubricate with a small amount of petroleum jelly if necessary)

The UV-C bulb should be replaced after 8000 hours (about once per year) in order to guarantee efficient operation.

Replacement bulbs and quartz tubes are available from your local Tetra*tec*® retailer.

Technical Data

Compatible with the following Powerhead / Water Pump / Canister Filter size.

Aquarium size	Maximum pump flow rate (litres per hour)
60 - 200	120 - 400
200 - 400	400 - 1000

Safety First

Never submerge the unit in water.
Always switch off the unit if there is no water running through it to prevent overheating. This unit produces harmful ultra violet light. Do not look directly at the unshielded bulb as damage to the eyes may occur.
Monitoring of lamp operation should only take place by looking through the transparent hose connectors.
When connecting the unit to the mains it is recommended that an inline residual current device should be installed or that the unit be wired directly into the mains using a residual circuit breaker.

Guarantee

Tetra guarantees that your Tetra*tec*® UV 400 will be repaired or replaced free of charge for two years from the date of purchase if it fails to work because of faulty materials or workmanship. This guarantee does not cover normal wear and tear, nor any deterioration suffered through overloading, improper use, negligence or accident. Similarly any modifications made by the purchaser to the appliance will cause the guarantee to null and void. Please keep your receipt as proof of purchase and return the enclosed guarantee card within 14 days of purchase to validate your guarantee.

Tetra GmbH
D-49304 Melle,
Germany
www.tetra.net