

aFAN

AQUARIUM COOLING FAN

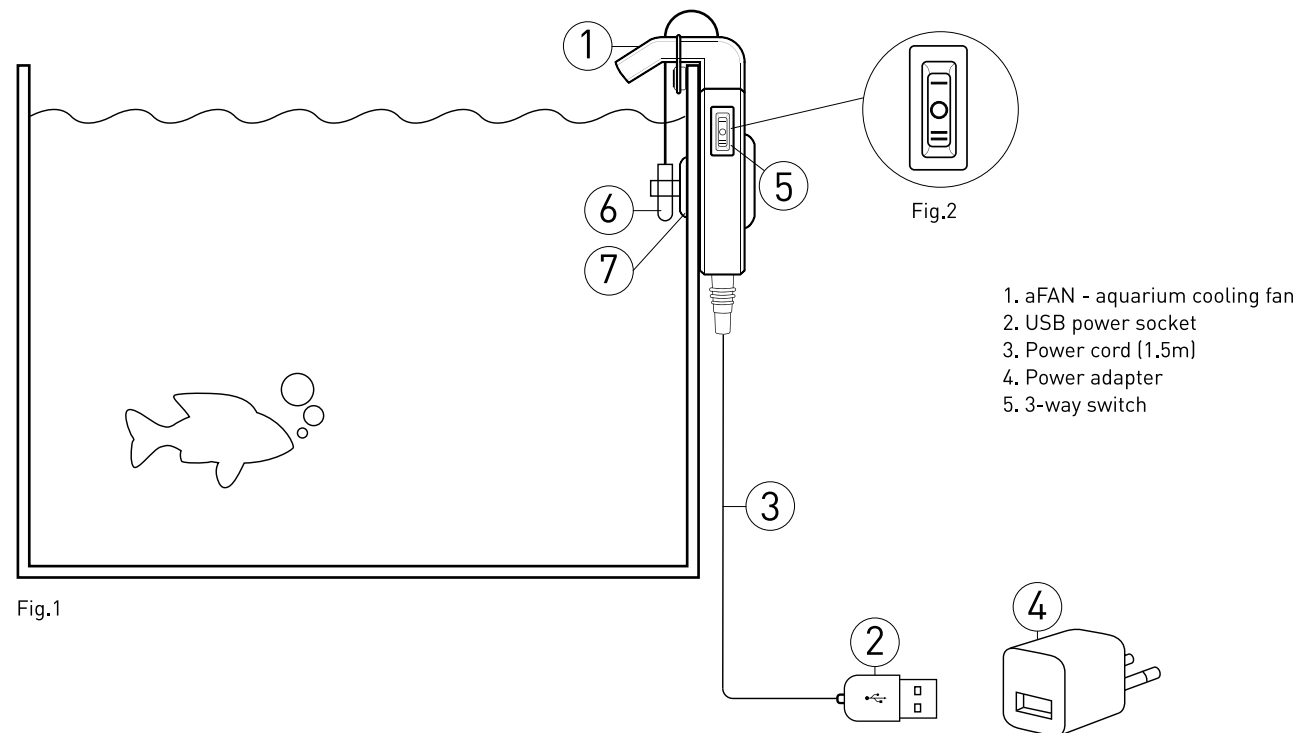


Fig.1

Fig.2

1. aFAN - aquarium cooling fan
2. USB power socket
3. Power cord (1.5m)
4. Power adapter
5. 3-way switch

aFAN Operating Manual

Thank you for purchasing our product. We are sure that you will be satisfied with the performance of this device. To avoid possible problems associated with its operation, please read this manual carefully.

Purpose and characteristics of the product

aFAN – cooling fan for aquariums up to 100l

aFAN is used for efficient cooling of water in freshwater and marine aquariums up to 100l as well as for the organization of air circulation in any type of terrarium. Fixtures of the aFAN allow to mount it on the edge of the aquarium with glass thickness up to 8mm. aFAN is virtually invisible and does not distract you from aquarium observation; it is fitted on the outside of the back wall of the aquarium, behind the decorative background.

All moving parts of the aFAN are located below the water level, without being subject to corrosion due to water vapor in the tank.

While working, aFAN creates a constant laminar flow of air (no messy rapid changes of air flow velocity or pressure) to form ripples on the surface, increasing the area of contact between water and air, thus effectively cooling the water.

aFAN modes, depending on the position of the switch on the case (Fig.2)

1. Position «0» - OFF
2. Position «1» - normal rotation speed
3. Position «2» - high rotation speed

Parameters:

Voltage + frequency	AC 100~240V,50-60Hz/DC +5V,1000mA	
Air flow	CFM	6.5
Rotation speed	RPM	4500 +/-10%
Noise level	dBA	<37.0
Power	W	1.9
Dimension	mm	105x70x25

Chart of aquarium water temperature reduction (degrees)*

Volume, l	Position 1 Δ t°C	Position 2 Δ t°C
10	3	4
20	3	4
30	2	3
60	2	3
100	1	2

*The Chart shows the estimated values of temperature reduction.

aFAN is powered by safe a voltage of 5V from USB port or AC adapter of 100-240V (included).

aFAN control (on and off, a smooth increase/decrease of speed of the fan motor) can be carried out by an external controller Aqualighter Device (visit www.aqualighter.com for details).

Getting Started

Advice: place the aFAN so that its airway is in the vicinity of the maximum water flow rate (for example, over the outlet tube of the internal or external filter). In this case, the process of water cooling will be as effective as possible!

Installation and turning on

Place the cooling fan on the aquarium as shown in Fig.1. Make sure that aFAN is safely mounted on the wall of the aquarium. Plug the power supply cord into the jack of the fan's power adapter. The device is ready for use. Plug the power supply into the power socket. Turn the switch on the fan to position 1 or 2.

Safety Usage Rules

1. This device was designed to be used only within indoor areas and only for its intended use.
2. The voltage rating of the power supply system has to be exactly the same as the voltage rating indicated on the device.
3. It is forbidden to use the device if the device or its electrical cord is damaged. It is recommended to check the condition of the electrical cord each time before switching on the device.
4. It is forbidden to repair or change electrical cord as well as install additional extra elements on it. If the electrical cord of the device was damaged, the whole device should be changed.

Maintenance

The device does not require any special maintenance. If necessary, clean off residues resting on the body of the device with the help of soft tissue or a sponge.

Dismantling and Utilization

You cannot dispose of electrical appliances that are out of order into regular garbage. Proper selection, collection, and utilization of this type of waste will contribute to preserving the valuable resources of the environment.

Warranty

The manufacturer gives a warranty of 24 months from the purchase date.

The warranty covers damages that appeared due to the fault of the manufacturer, i.e., material defects, etc. The warranty does not cover damages that appeared due to the improper or unintended use of the device.

Attention! Any trials to change the structure of the device, or dismantling of the device, that fall out of the scope of regular intended use or maintenance, lead to loss of warranty obligations. In case improper functioning of the device is detected, the device, along with the warranty paper filled in by the seller, should be sent to the address of manufacturer or distributor. The warranty shall be considered valid if the date of production indicated on the product coincides with the date of production in the warranty paper. The present warranty conditions do not exclude, limit, or cease the rights of the buyer granted by the applicable legislation of the country where the sale was made.