

User manual Magnetic stirrer

1 General

1.1 Characteristics

Using this magnetic stirrer liquids can be stirred before they are dosed.

In order to be able to use our products optimally, you should take the time to read through this manual. Please pay attention especially to the operating and liability hints.

1.2 Scope of delivery

The following articles belong to the scope of delivery:

- Magnetic stirrer
- Magnetic stirring bar
- Connection cable to *GHL Doser 2 (Standalone or Slave)*
- This manual

1.3 Preconditions

A *GHL Doser 2 (Standalone or Slave)* with firmware 1.16 or higher and the PC-software *GHL Control Center 1.0.8.0* or higher is required to operate the magnetic stirrer.

2 Installation

2.1 Mounting of the Magnetic Stirrer

The magnetic stirrer is not water-protected and may not get in touch with water at any time. Avoid splash water and too high humidity. Don't use it outdoors! Place the magnetic stirrer on a firm and even surface.

2.2 Connection

Connect the magnetic stirrer with the *GHL Doser 2* (ports Stirrer 1 to 4) using the supplied 3.5mm jack-cable.

Attention

Plug in or remove the plugs only when the *GHL Doser 2* is disconnected from power, otherwise the magnetic stirrer outputs can be destroyed!

2.3 Stirring the liquid

Put the enclosed magnetic stirring bar into the liquid container and place the container centric onto the magnetic stirrer. Make sure that the container can't slide from the magnetic stirrer. The stirring speed is adjustable, chose a speed which is sufficient to mix the fluids properly but which does not cause foaming of the liquid or even movement of the container.

3 Warranty

You have a 2-year warranty beginning from the invoice date. This covers material defects and fabrication faults.

We guarantee that the delivered products correspond to the specifications and that the products don't have material resp. fabrication faults. For the accuracy of the manual we don't take over any guarantee. For damages of any type which are caused through a false operation or through an improper environment of the aquarium computer or accessory we don't take any liability. Also we don't take over warranty for damages that result from a

false connection. The liability for direct damages, indirect damages, consequential damages and third party damages are excluded, as far as it is legally permitted. We don't take over any warranty that our product corresponds to the demands of the buyer. The warranty expires if the original product is damaged or modified.

4 Technical data

Input voltage	24VDC
Dimensions	H x B x L = 120 mm x 95 mm x 40 mm

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