

# OPERATION MANUAL

## for the

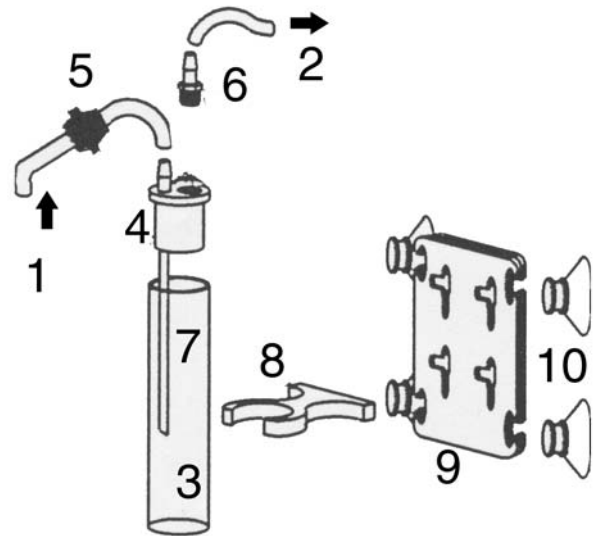
# **AQUA MEDIC**

### *bubble counter*

Bubble counter with integrated non return valve and a strong mounting plate. The bubble counter has to be mounted in a way, that he is always without pressure. The needle valve has to be mounted between the CO<sub>2</sub> bottle and the bubble counter.

### Content

1. CO<sub>2</sub> inlet, from the CO<sub>2</sub> pressure bottle
2. CO<sub>2</sub> exit port to the aquarium/CO<sub>2</sub> reactor
3. transparent counter tube
4. plug with connections
5. non return valve, with silicon“umbrella“
6. connection fitting, 1/6“
7. bubble inlet tube
8. holding clamp
9. holding plate
- 10 . rubber sucker



### Connections:

- inlet: flexible tube, 6/4 mm diameter. It is connected to the fitting with the transparent acrylic pipe, going to the bottom of the counter and the non return valve
- outlet: flexible tube, 6/4 mm diameter. to

### Installation

The mounting plate of the counter is fixed to the wall or the aquarium stand, near the CO<sub>2</sub> bottle. It can either be mounted with the rubber suckers on a glass plate (aquarium) or directly with screws on the wall. The bubble counter is then opened carefully, filled for 1/3 with water, closed again and carefully pressed into the holder. Take care to keep the O ring of the plug and the top part of the transparent counter tube dry. If these parts are wet, the counter will not be CO<sub>2</sub> tight.

If both tubes are connected to the CO<sub>2</sub> reactor (or the filter) and the pressure, the needle valve of the reactor can be opened. Now bubbles can be seen and counted at the bottom of the thin acrylic tube. The quantity of the bubbles can be adjusted at the needle valve.

### Maintenance

If the water in the bubble counter is evaporated, it has to be renewed.