

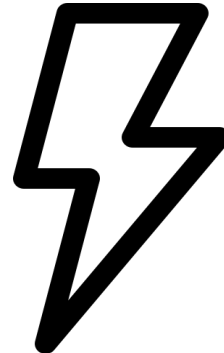
# H-A 00 | H-B 00

## User manual v1

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# 1. Safety instructions



The installation, commissioning, configuration and maintenance of AQUA4D® systems may only be carried out by qualified personnel who have been authorized by the operator to carry out specific operations. The electrical connections of the control units (CU), as well as the installation of the treatment units (TU), may only be carried out by specialized personnel. Such personnel must have read this manual and comply with the instructions contained herein. Before commissioning the system, check once again that all connections have been made correctly, and that electrical cables and pipe fittings are undamaged. Do not use damaged machines, and ensure that they are protected against accidental start-up. Mark these machines as defective. Repairs not covered by this manual may only be carried out by an authorized service center.

The AQUA4D® system has been built and tested in accordance with our quality requirements and has left our factory in perfect technical condition, in compliance with the applicable European technical and safety directives and standards. As the installer and/or user, you are responsible for complying with the safety instructions set out in the installation instructions in this manual, as well as with local standards and directives.

If your AQUA4D® system requires repair, please clean it before returning it to our service department and use the original packaging.

## 2. Introduction

The AQUA4D team is delighted that you have chosen to place your trust in our product and acquire an H-A / H-B 00 system for your installation and water treatment.

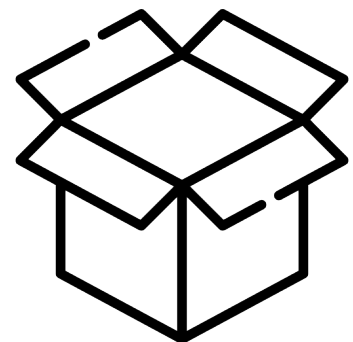
The 00 series has been designed for low-flow applications using a compact, simplified and cost-effective system for rapid commissioning.



This document will help you to install and start using your AQUA4D H 00 system, but don't hesitate to call your AQUA4D contact or distributor if you need any help. We'll be happy to help you answer any questions you may have about your new system.

## 3. Contenu

1x Control Unit CU H 00  
1x Processing Unit TU H-A 60 or H-B 60  
1x Connection cable TU-CU  
1x Power cable  
1x Documentation access leaflet



## 4. System information

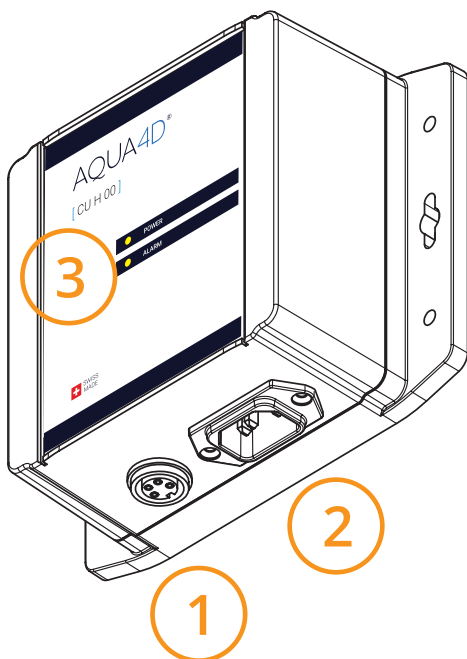
This document covers everything you need to know to install your new AQUA4D H 00 system and get it working properly. Please read the entire document before starting work on the system.

### 4.1. Scope of application

The AQUA4D water treatment system is used in a wide range of applications. The modularity of the AQUA4D allows it to be adapted to the most diverse situations. The H 00 version is not modular and can only accommodate a TU 60 treatment unit.

The AQUA4D H 00 is ideally suited to the requirements of water networks used in agriculture, for the H-A version, and buildings for the H-B version, including drinking water.

### 4.2. Specifications CU H 00 control unit



1. connection output TU60
2. input voltage (100 to 230 VAC)
3. power and alarm LEDs

**Size** 161 x 126 x 62 mm

**Material** Polycarbonate

**Weight** 0.5 kg

### 4.3. Specifications TU H-A 60 treatment unit



- 1. 1.5" connection, supplied with 1" female adapter
- 2. 8-pole connector
- 3. 1" adapters with O-rings (rubber)

**Max. flow** 60 l/min  
**Length** (no o-rings) 436 mm

### 4.4. Specifications TU H-B 60 treatment unit



- 1. 1.5" fitting, supplied with 1" female adapter
- 2. 8-pole connector
- 3. 1" adapters with flat seals (fiber)

**Max. flow** 60 l/min  
**Length** (no o-rings) 436 mm



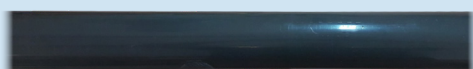
## 5. Installation

### 5.1. Environnement

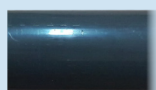
- Protection class: IP43
- The device is designed for **indoor** use
- Operating temperature: 0 - 45 [°C]
- Normal humidity: 0 - 95% non-condensing
- Maximum operating altitude: 3000 m
- Pollution degree 2
- AC supply voltage fluctuations tolerated: up to 10% of rated voltage
- Overvoltage category II

### 5.2. Instructions TU H-A 60

The system is installed on the water network, and therefore requires the intervention of a specialist (plumber / sanitary engineer) for correct assembly.

**1**

Pipe before installation

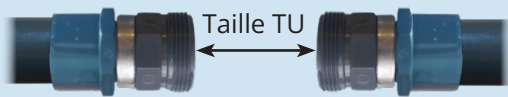
**2**

Cut the pipe to fit the TU (436 mm) and the fittings used.

**3**

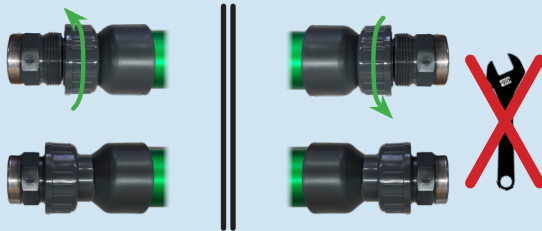
Prepare pipe with fittings (not included) compatible with supplied adapters, 1".

4



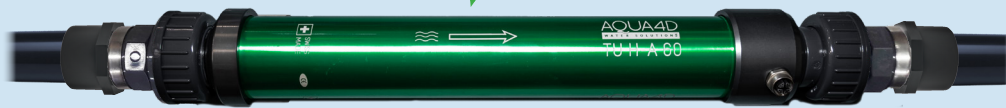
Screw the 2 adapters onto the fittings. Check presence of O-rings. Check distance according to your TU specifications,

5



Screw the TU onto the adapters by hand. The arrow on the TU must point in the direction of water flow.

6

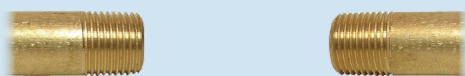


Turn on the water flow and gradually increase the pressure. If a leak appears, remove the TU, repair the leak, then refit the TU.

## 5.3. Instructions TU H-B 60

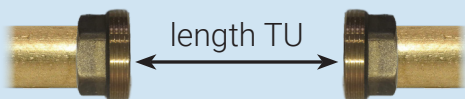
The system is installed on the water network, and therefore requires the intervention of a specialist (plumber / sanitary engineer) for correct assembly.

1



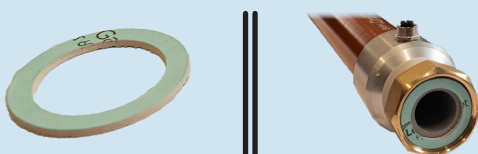
Pipe ends before installation. Threads must be 1",

2



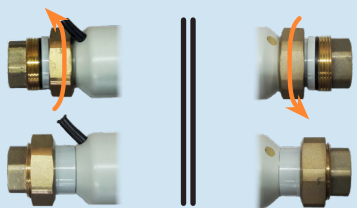
Remove the TU adapters and tighten them on the pipe ends.

3



Inspect the treatment unit (TU) and ensure that the flat gaskets supplied are in place on both sides.

4



Place the TU in the gap and tighten slightly using a suitable tool. The arrow on the TU must point in the direction of water flow.

5



Turn on the water flow and gradually increase the pressure. If a leak appears, remove the TU, repair the leak, then refit the TU.

6



Install the control unit in accordance with the supplied documentation.

## 5.4. Power supply connection

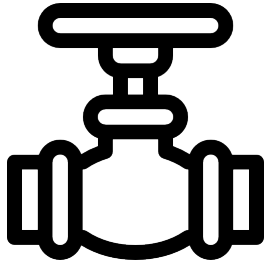
The system must be connected to the mains. The system is equipped with a power plug of one of two types, depending on the country in which you place your order:

**Switzerland, type J**  
**Europe, type E**

If you have a different type of power plug, please use a suitable adapter.



## 5.6. Water flow opening



The system is now ready for water treatment.

To ensure a smooth start-up, gradually increase the water flow rate to avoid damaging the piping system.

If you notice a leak in the treatment unit, stop the water flow and tighten the nuts a little more. If you are unable to achieve a watertight system, please contact an AQUA4D

support specialist.

Once you have achieved the optimum water flow and pressure for your system, installation of your AQUA4D H 00 system is complete.

## 5.5. Alarm

The control unit is equipped with a LED dedicated to displaying the alarm status.

When this LED is lit, the system is no longer functional and the fault needs to be analyzed.

If you see this alarm, pull out the power plug and wait about 20 seconds before restarting the unit. Also check that the TU connector is properly screwed into its housing.

If the alarm no longer appears, the treatment is back in operation. If this is not the case, please contact your distributor or AQUA4D after-sales service at [info@aqua4d.com](mailto:info@aqua4d.com)



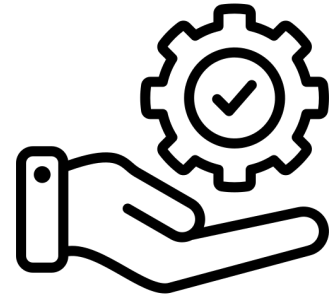
## 6. Troubleshooting

### Neither LED is lit

Check that the power supply is switched on and that the power cable is correctly connected to the power supply unit.

### The water comes from inside the AQUA4D H 00 system

Stop the water flow and contact your distributor or the AQUA4D support.



### Unable to connect the fittings

Make sure that the fittings and/or pipe threads are compatible with a 1" diameter using the adapters supplied.

### Water leaks from one of the fittings

Tighten the fittings a little more, by hand for the H-A version with O-rings. For the H-B version, you can use 2 wrenches to tighten further. It's essential to use 2 wrenches to prevent the TU from turning on itself (risk of breaking the internal connecting cables).

### My problem is not listed here

Please contact your supplier or the AQUA4D support and describe your problem.

## 7. Contact information

### Planet Horizons Technologies SA - AQUA4D

*Ecoparc de Daval A9  
3960 Sierre  
Switzerland*

*+41 27 480 3035  
info@aqua4d.com*

# AQUA4D

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