

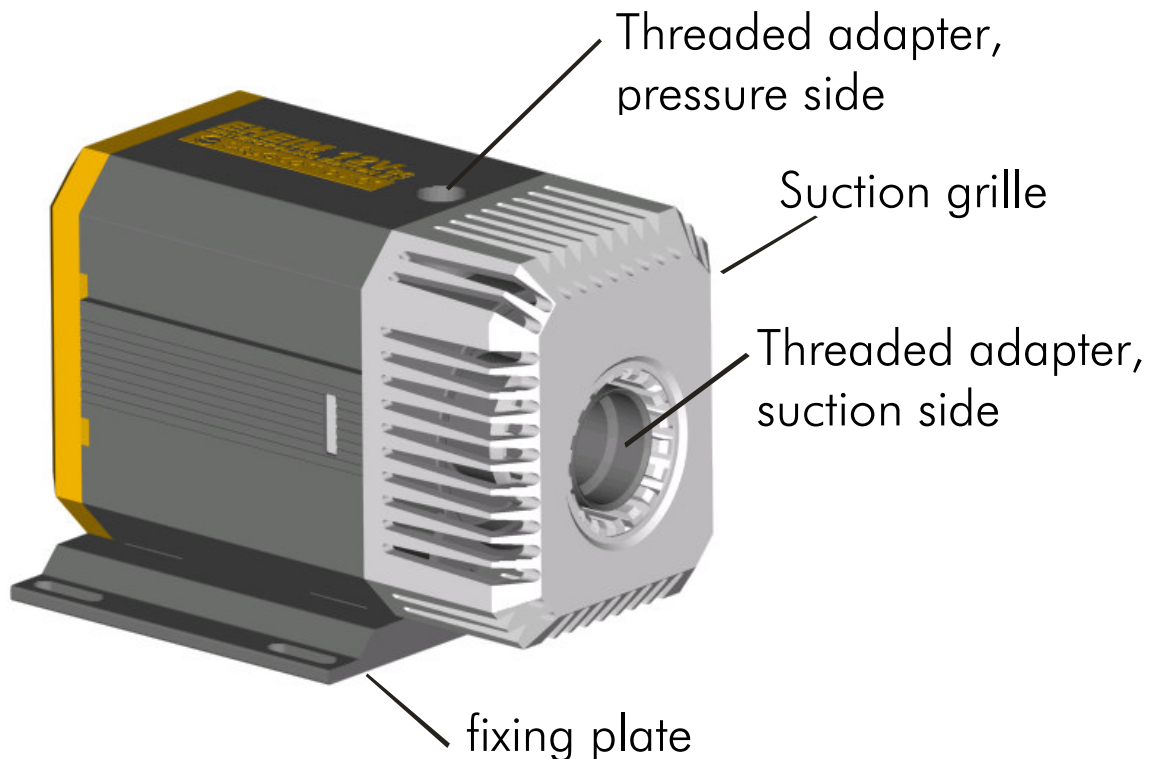
User- and operating manual for the aquastream-pump

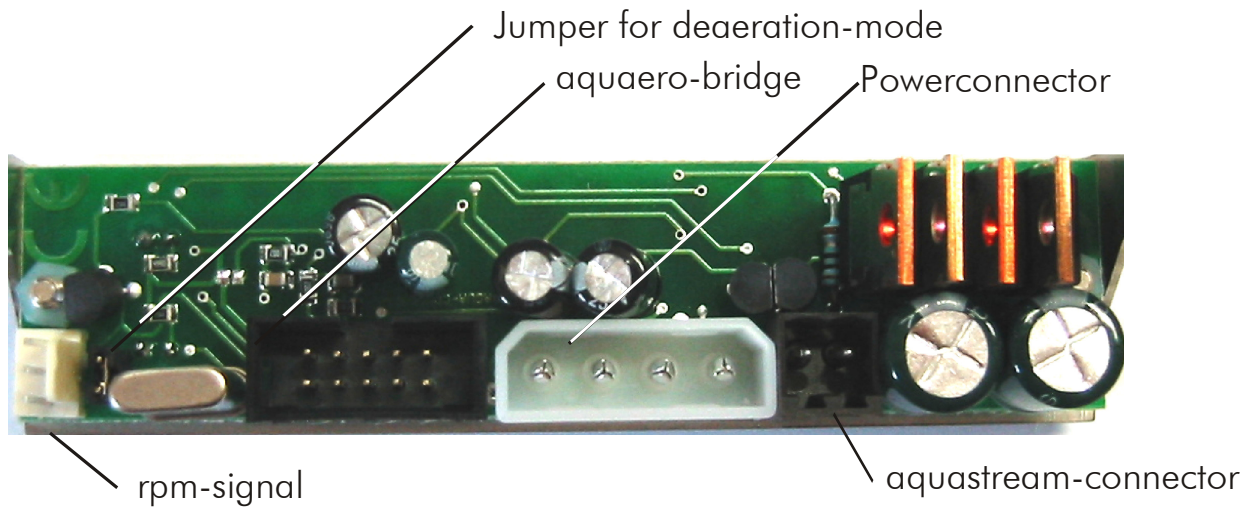
Dear customer,

we thank you for purchasing the aquastream pump. You have received a very high-quality and for longevity built pump for your water cooling system. The aquastream pump was developed in co-operation with the company Eheim and is particularly developed for the employment in PC water-cooling systems. The electronic construction units are laid out for maximum performance and each component has been thoroughly tested before distribution. Also each pump is meticulously submitted to a test run, therefore you might find some wet residue within the pump.

Technical Data:

Operating voltage	5.0 / 12.0 V DC +/- 10%
Power consumption typ.	5.5 W
Delivery volume	up to 300 l/h
Maximum Pumpheight	1.2 m
Measurements	145x75x105 mm





Operating instructions:

First install the connecting adaptors to the aquastream. Should you be using a plug-on reservoir tank with the pump (e.g. aquainlet), then you must remove the silver suction grille and mount the tank directly on the intake adaptor of the aquastream. In this case no connecting adapter should be installed on the intake. The adapters should generally be mounted **without** any tool (i. e. **without force**). The black sealing ring should no longer be visible.

If the pump is to be equipped with an uncoupling set, you will first have to remove the mounting plate from the pump and then fasten the rubber buffers with the enclosed nuts in the elongated holes of the mounting plate.

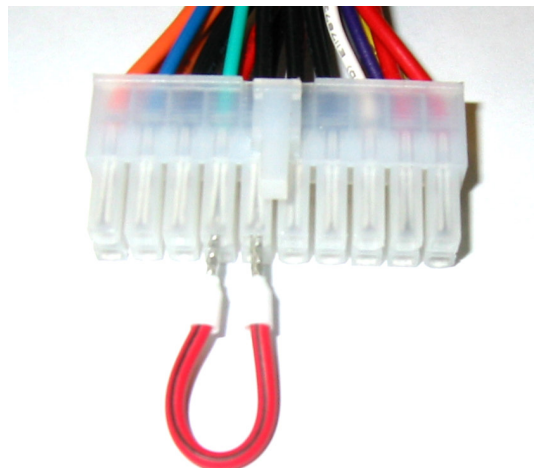
Optional: The aquastream pump can now be installed in the fmj-housing. This housing effectively shields the electromagnetic fields of the pump-motor and protects your computer against possible disturbances due to electromagnetic signals. The fmj housing can only be installed in connection with the uncoupling set!

To use your pump when filling the system you must either start the power supply unit with the enclosed bridge or attach the pump to a second power supply.

First turn off your PC, or remove the main PSU cable if no power-switch is present. Remove all cables of the PSU (e.g. from non removable disks, optical storage drives or graphic cards). Attach the controller of the aquastream pump to a 5 1/4" 12V power connector and attach the connector of the pump into the fitting socket on the aquastream controller.

To start the PSU without having it connected to the mainboard you will now have to remove the ATX plug from your mainboard. Put one end of the enclosed bridge into the socket of the green cable and the other end into the socket of a black ground-cable. After you have attached the bridge to the PSU it can now be started.

The green status LED on the aquastream controller should flash now. The aquastream pump is now running in a special mode, which you can use to fill your system. After filling the system you must remove



the Jumper from the plate of the aquastream controller. The green status LED should now shine constantly. In order to supervise the pump, you can attach a rpm-signal cable to the Main board. For this use the enclosed cable and attach it to a fan connector of the mainboard as well as to the 3-pin connector of the aquastream controller. Depending on the BIOS version of your mainboard you should receive a signal of approx. 3500 rpm. You can supervise this in the BIOS.

The red error-LED of the aquastream controller informs of possible arising errors by flash-codes. If possible the controller will maintain the functionality despite arising errors of the pump.

The Codes have the following meaning:

Flash-impulse	Error
1x	12V-current below the tolerance
2x	12V- current above the tolerance
3x	Pump is not receiving power or is not connected correctly
4x	Short circuit at the Pump or the cable
5x	Signature of the power consumption is not typical

The plate of the aquastream controller can be installed on the plate of the aquaero controller. For this purpose corresponding mounting holes are implemented at the aquaero controller. In this case the aquaero and the aquastream are connected via a 10-pin flat cable (accessory). Via this cable the aquastream will also receive the correct current. All data of the pump can be supervised and monitored on the aquaero.

