



Aquacomputer Aquastream XT USB 12V Pump- Standard Version

\$89.95

Product Images



Short Description

The new XT Aquastream pump is to be completely revised successor to the tried and tested Aquastream Rev. 3.5, the absolute leading edge of developments in the field of virtually noiseless pump for water cooling systems environment. In this pump includes not only traditional pump functions, but is a highly integrated microprocessor-controlled measuring and control system for your cooling system is, as it is unique.

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leading edge of developments in the field of virtually noiseless pump for water cooling systems environment. In this pump includes not only traditional pump functions, but is a highly integrated microprocessor-controlled measuring and control system for your cooling system is, as it is unique. Compared to previous models of feature size has been increased massively. All versions of the XT Aquastream now have a USB interface, which is possible to monitor and control even without connecting to an aquaero. The control function can be controlled aquasuite with our known and downloadable from our website free Windows software. Depending on the software version of an activated pump also the first time a fan output, temperature sensors, and a connection for a flow sensor are available. In the maximum configuration means that all important monitoring and control functions for a water cooling system is already integrated into the pump.

New features include a rotation detection, and automatic determination of the maximum frequency, so that ensures reliable operation even at maximum pumping capacity. In contrast to previous models is the XT Aquastream the control board integrated into the pump housing without providing the housing had to be enlarged.

Maximum performance with smart electronics:

The mechanics of the pump continues to be based on the proven technology Eheim whose smoothness is unprecedented. Compared to the predecessor models, the maximum discharge was increased to 4.2 m sensational. This is one of the most powerful Aquastream XT pumps on the market and is virtually silent. This was achieved by a highly intelligent control of complex algorithms and sensor technologies. Permanent and about 1000 times per second rotor position, current consumption, power and voltage can be determined. This optimal control is calculated. Depending on the system, the pump can work internally min up to 6000 rpm.

The pump frequency is automatically determined by the pump can be set manually or by software. Here, the pump automatically detects the optimum operating point.

The data will be passed on via USB or aquabus and can be evaluated and shown in the aquasuite software. The software is a aquasuite for all Aqua Computer products only once to install application with integrated database, networking (including maintenance) and many tax opportunities.

In parallel, a tachometer signal can be passed on to the motherboard, which can cause errors at the pump a shutdown of the computer.

Of course, the Aquastream XT still has the Aqua Computer introduced several years ago as a pioneer ventilation program that can be started by a jumper or software. This can now be configured even at their convenience.

The sensor system of the Aquastream XT: water included

No other competing product can currently offer the function and services of aquastream XT. Our development department has already included the measurement of water into the pump. This measurement can be read even by aquabus of aquaero and used for the control. Continue to be determined internally several temperatures of the power amplifiers. It has the pump intelligent protective functions: If the temperature rises above the programmed protection values from work, the electronics are in a security mode set to avoid the damage. It will be taken depending on the temperature, different strategies.

External connectivity expand the range of services: As direct can be connected to the pump an additional external temperature sensor and a flow sensor. Both are evaluated at extremely high accuracy and can be embedded into the alarm scheme. This incredible number of alarm thresholds and parameters are freely configurable.

Integrated fan control. Intelligent control for super quiet operation of your system.

You want a high-performance cooling system with one of the best control mechanisms of the world? Then the Aquastream XT is the perfect solution. The highly complex integrated PID controller works for you silently in the microprocessor and has this cool only one goal: your computer to your desired temperature and it somehow just as quiet as possible to operate your fan. This is all calculated using a mathematical model, the regulator charged over 1000 times per second your new to the necessary fan speed fan, the fan output measures and new sets. Of course, without humming a high-precision analog PWM output voltage is provided. It also needed to be considered start-up speed of your fan and automatically executed by the controller.

They want more influence? Then you are served correctly. All controller settings can be complex, influenced by you, or be selected quickly using pre-configured presets. can be regulated according to the internally measured water temperature, the external temperature or manually set.

Of course, in the event of a failure of the fan and an alarm signal.

Moreover, it was placed on the highest reliability value: If an excessive load connected to the fan output, recognized by the electronics, this fully automatic. It will do so first by a voltage setting of 100% to reach a minimal power dissipation in the system. This is not sufficient to protect the electronics, then a further alarm and shut off the output.

By the way: It can easily be three airstream fan connected to the output. Thus, even 360s radiators are easily controlled.

All features buy now - or if you really need them?

Development costs money, features will be maintained and not everyone needs everything. Therefore there are variations in the XT Aquastream Standard, Advanced and Ultra. So you do not pay more than you need, but have one big advantage: You can later upgrade your pump. You must buy only one key and enter in the aquasuite software. In order to unlock the additional functions of the Advanced and Ultra variant.

*** For the options below DO NOT order fittings unless you order the G1/4 Inlet and Outlet adapters or they will not fit the pump.

Specifications

The exact features, please see the following list:

All Versions:

- Based on the proven technology of Eheim 1046 pump, specially adapted to the requirements of Aqua Computer
- Full ceramic bearing of the pump rotor
- Pure-12-V pump - it will not generate higher voltages
- Low power consumption of typically about 5 W
- Micro processor control with optimized controlling of the pump and USB interface for communication with the PC
- Continuous measurement of voltage, current consumption and the recorded line
- Speed signal output with parametric functions, and alarm function
- Ventilation Program
- Aquabus interface to connect to other computer devices Aqua

Includes:

- 1x Aquastream XT USB 12V Pump
- 1x ATX connector bridge to start the PC power supply
- 1x USB cable
- 1x speed signal cable
- 1x Jumper
- 1x English & German installation manual

Measurements: 115mm L x 55mm W (not including base); 75mm W (including base) x 72mm H

Please note:

The pressure and suction ports are identical to the Eheim 1046th The adapter set and suitable connections must be purchased separately.

WARNING: If you want to block the pump in a aquabay, so you need a current and a current aquabay Connecting kit. Old versions before September 2007 are not compatible.

Test the advance aquasuite software in demo mode:

In our support area you can download a free version of the current aquasuite software and start it in demo mode. In this mode, you can see, even without an existing pump aquastream their menus and display

Additional Information

Brand	Aquacomputer
SKU	AQ-41059
Weight	3.0000
Color	Yellow
Pump Type	Other
Pump Voltage	12 VDC
Vendor SKU/EAN	4260073412414

