




aqua computer 53292 High Flow 2 High Flow LT User Manual

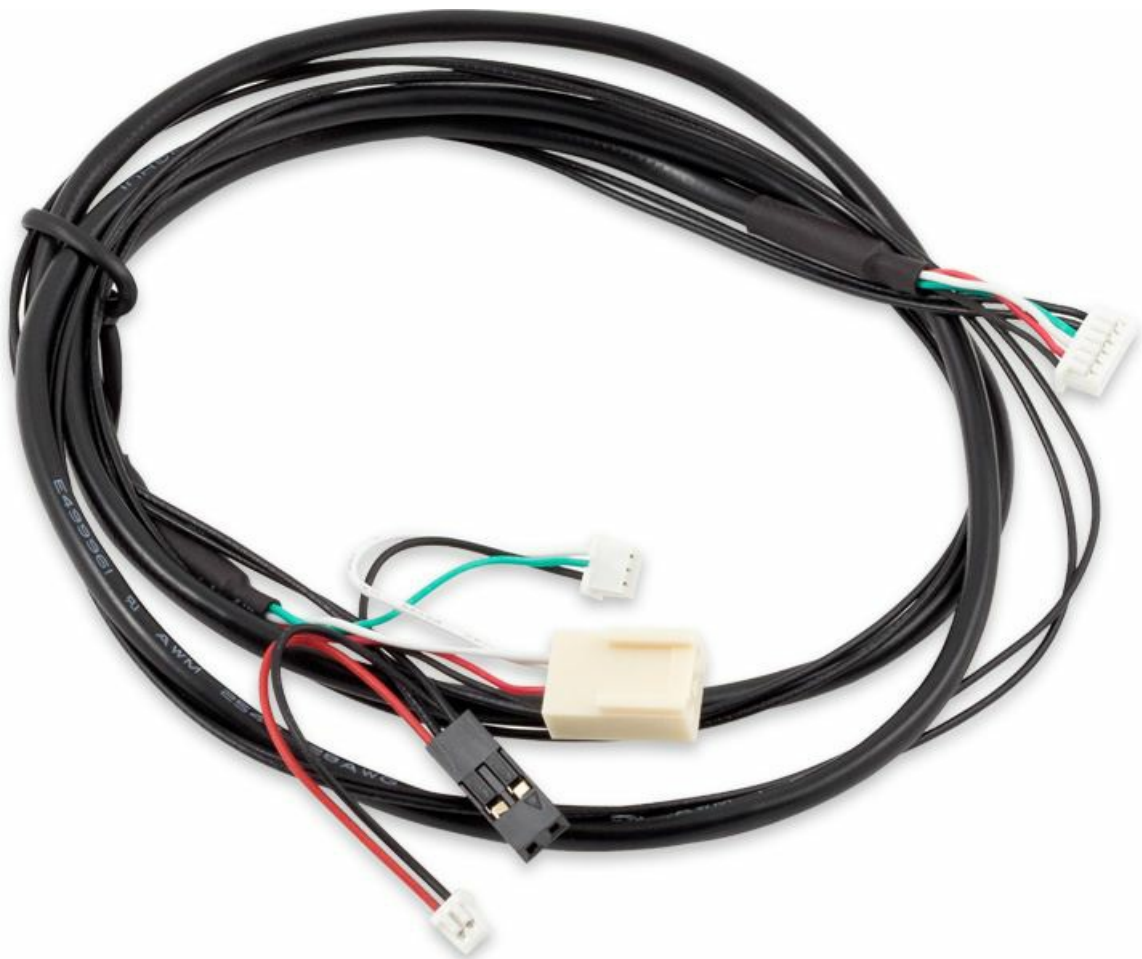
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aqua computer 53292 High Flow 2 High Flow LT



Product Information

The Aqua Computer High Flow 2 and High Flow LT are flow sensors designed to be integrated into your cooling system. They provide accurate flow measurements between approximately 40 l/h and 1000 l/h. The High Flow 2 features a stainless steel cover, while the High Flow LT has a circuit board. Both models are compatible with Aqua Computer devices and come with a cable equipped with both standard and miniature connectors for easy installation.

Compatible Products:

- aquaduct 240 Pro mark III
- aquaduct 360 eco+
- aquaero 6 XT/PRO/LT
- aquaero 5 XT/PRO/LT
- aquaero 4/3.07
- aquastream ULTIMATE
- aquastream XT
- cuplex kryos NEXT with VISION
- D5 NEXT
- farmwork 360
- OCTO
- power adjust 3, power adjust 2, power adjust
- QUADRO
- VISION Touch, VISION connection terminal for Kryographics

Technical Details

- **Power supply:** Not specified
- **Signal output:** Not specified
- **Ambient temperature range:** Not specified
- **Coolant:** Not specified
- **Coolant temperature/pressure:** Not specified

Care Instructions

Use a dry and soft cloth to clean the sensor. Avoid letting the electronic components and headers come in contact with coolant or water.

Waste Disposal: This device must be disposed of as electronic waste. Please check your local regulations for proper disposal of electronic waste.

Contact Aqua Computer:

- **Website and online forums:** www.aqua-computer.de.
- **Email:** support@aquacomputer.de.
- **Tel:** +49 (0) 5508 9749290 (9-16 h CET, German and English language)

Product Usage Instructions

1. Integrate the flow sensor into your cooling system, ensuring that the direction of flow can be freely chosen.
2. For optimum performance and minimum noise, make sure that the stainless steel cover (High Flow 2) or circuit board (High Flow LT) of the sensor is facing upwards.
3. To securely install the sensor, affix screws to the base of the sensor using the included suitable screws.
4. Connect the appropriate 3-pin connector from the supplied cable to the flow sensor connector of your Aqua Computer device.
5. If using a High Flow 2, also connect the appropriate 2-pin connector from the cable to a temperature sensor connector on your Aqua Computer device. Note that the High Flow LT does not have an integrated temperature sensor.
6. Ensure that only one device is connected per cable and leave the additional connector unused.
7. Depending on your device and software version, the flow sensor input of the device must be configured as either sensor type "Aqua Computer High Flow 2 (53292)" or "Aqua Computer High Flow LT (53291)", or set to a calibration value according to the provided table.
8. If the above options are not available, you may set the sensor type as "Aqua Computer High Flow (53068)", but note that this may result in imprecise flow measurement.
9. Devices with display and keys can be configured using the device menu, while all other devices must be configured using the Aquasuite software.

Installation

- Integrate the sensor into your cooling system, direction of flow can be freely chosen.

- For optimum performance and minimum noise, the stainless steel cover (high flow 2) or circuit board (high flow LT) of the sensor should be facing upwards.
- For secure installation, screws can be affixed to the base of the sensor.
- Suitable screws are included in the delivery. The sensor is accurate for flow rates between approximately 40 l/h and 1000 l/h.
- For compatibility with all Aqua Computer devices, the supplied cable is equipped with both bigger standard connectors and smaller miniature connectors.
- Connect the appropriate 3-pin connector to the flow sensor connector of your device.
- If using a high flow 2, connect the appropriate 2-pin connector to a temperature sensor connector.
- (The high-flow LT does not have an integrated temperature sensor.)
- Only one device may be connected per cable, the additional connector must remain unused!
- Depending on the device and software version, the flow sensor input of the device must either be configured as sensor type “Aqua Computer high flow 2 (53292)” / “Aqua Computer high flow LT (53291)” or be set to a calibration value according to the following table.

high flow 2	Tube inner diameter \leq 7 mm	Tube inner diameter $>$ 7 mm
DP Ultra	151 impulses/liter	147 impulses/liter
Water	148 impulses/liter	144 impulses/liter

high flow LT	Tube inner diameter \leq 7 mm	Tube inner diameter $>$ 7 mm
DP Ultra	177 impulses/liter	167 impulses/liter
Water	173 impulses/liter	164 impulses/liter

If these options are not available, sensor type “Aqua Computer high flow (53068)” may be set, but will result in imprecise flow measurement. Devices with display and keys can be configured using the device menu, all other devices must be configured using the aquasuite software.

Compatible products

- aquaduct 240 Pro mark III, aquaduct 360 eco+
- aquaero 6 XT/PRO/LT, aquaero 5 XT/PRO/LT, aquaero 4/3.07
- aquastream ULTIMATE, aquastream XT
- cuplex kryos NEXT with VISION
- D5 NEXT
- farmwork 360
- OCTO
- poweradjust 3, poweradjust 2, poweradjust
- QUADRO
- VISION Touch, VISION connection terminal for geographics

Technical details

- **Power supply:** 5 V DC, max. 10 mA
- **Signal output:** Open drain, max. 5 V / 5 mA load
- **Ambient temperature range:** 10 to 40 °C (noncondensing)
- **Coolant:** Double Protect Ultra or water
- **Coolant temperature/pressure:** 10 to 50 °C, -0.6 to 1 bar

Care instructions

Use a dry and soft cloth for cleaning. All electronic components and headers must not come in contact with coolant or water!


Waste disposal

This device has to be disposed of as electronic waste. Please check your local regulations for the disposal of electronic waste.

Contact Aqua Computer

- **Website and online forums:** www.aqua-computer.de.
- **Email:** support@aquacomputer.de.
- **Postal address:** Aqua Computer GmbH & Co. KG
- Gelliehäuser Str. 1
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- Germany
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- Aqua Computer GmbH & Co. KG
- Gelliehäuser Str. 1, D 37130 Gleichen
- © 2020-2023 94954 high flow 2 / high flow LT

Documents / Resources

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References

- [Computer News | Tests | Downloads | Shop | Computer.de](#)
- [Aqua Computer Homepage - Home](#)