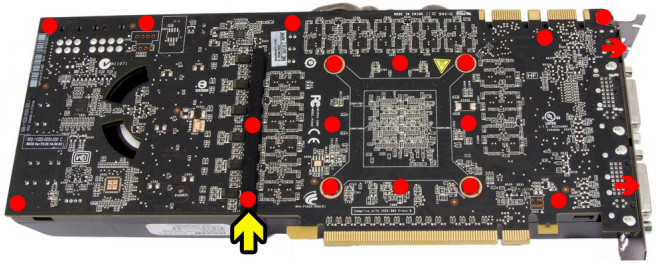
Description

Thank you for purchasing a graphics card waterblock manufactured by aqua computer. The aquagraFX for GTX 480 has been specifically designed for graphics cards according to reference design of the chip manufacturer. The aquagraFX for GTX 480 effectively cools the RAM, voltage regulators and GPU of your graphics card. The base part of the waterblock is manufactured from pure copper for outstanding performance and durability.

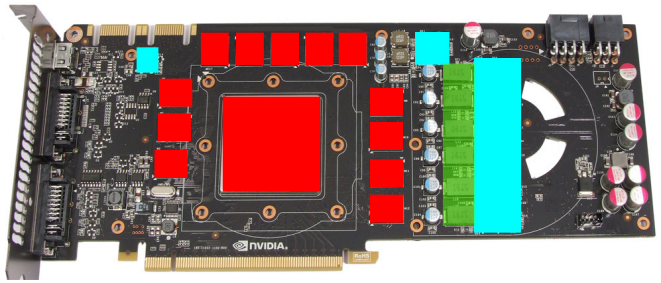
Installation

Step 1:
Remove the originally installed air cooling unit from the graphics card. The procedure necessary to perform this might slightly vary depending on the graphics card. Remove the screws indicated with red dots in the figure. Use extreme



caution not to damage any of the highly sensitive components of the graphics card! Disconnect the fan connector while lifting the air cooling unit off the graphics card. The foam strip indicated by a yellow arrow should be removed.

Step 2:
Remove all thermally conductive pads from the graphics card and clean all surfaces with direct contact to the cooling unit from remaining thermal compounds using benzine if necessary.
Apply a thin layer of thermal compound to the GPU and the RAM modules. These components are marked red in the figure. The thermal compound must not be electrically conductive! Cut fitting pieces from the thermally conductive pad supplied with the aquagraFX and place them on top of

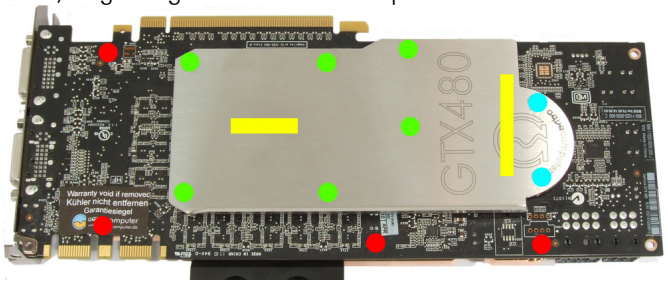


the voltage regulators as indicated by blue rectangles. Take care not to miss the component on the left side of the figure! An additional thermally conductive pad (thickness 1 mm, not included in delivery) can be placed in the green marked area.

Step 3:
Attach the aquagraFX for GTX 480 to the graphics card. Place the water block on top of the graphics card. Cut two pieces from the rubber foam supplied with the aquagraFX and arrange them on the back of the graphics card as illustrated with yellow lines in the figure. Place one of the black spacers in each position marked with a green dot on the back of the graphics card and a stack of two spacers in the positions marked with a blue dot. Place the backplate on top of the spacers. Insert and fasten screws through backplate, spacers and/or graphics card:

Green mark:	Six screws M3 x 8 mm
Red mark:	Four screws M3 x 4 mm
Blue mark:	Two screws M4 x 10 mm

Fasten the screws carefully and evenly in alternating positions, beginning with the screws adjacent to the GPU.



Step 4:
Carefully check that the waterblock has level contact to all relevant components of the graphics card. Do not power on the graphics card or the PC if the cooler does not perfectly fit the graphics card! In this case, disassemble and repeat the mounting procedure. All screws must not be overly tightened to prevent the PCB from twisting!

Step 5:
Insert the graphics card to your PC and integrate the waterblock into your cooling system. Be sure not to connect any waterblocks in parallel but only consecutively. A detailed instruction on building a watercooling system and plug&cool connectors as well can be found on our website www.aqua-computer.de – please check the section support/download.

Step 6:
Put the water cooling system into operation, but do not connect any other PC components to the mains supply! Check the waterblock as well as the fittings for leakages and do not put your PC into operation unless you can definitively eliminate the possibility of coolant leaking from the system! If any component has been in contact with coolant, do not put it into operation before it is completely dry again! For operating the graphics card, the waterblock must be correctly mounted and be connected to a water cooling system featuring adequate cooling performance! For corrosion inhibition, either Double Protect Ultra or a mixture of water and ACfluid according to the preparation instructions provided with ACfluid must be used as coolant!

ATTENTION:
Disregarding the instructions may lead to severe damages! Aqua Computer GmbH & Co. KG cannot be held liable for damages or injuries resulting from improper installation or use of the product!
Thank you again for choosing an aqua computer product.