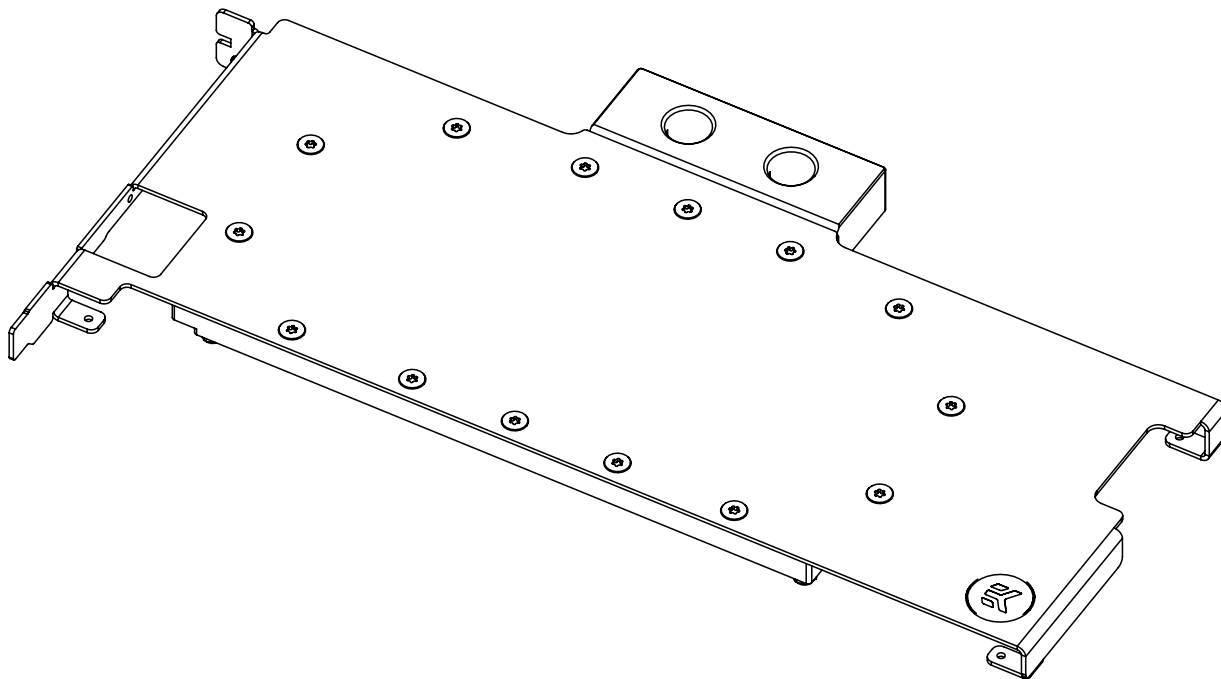# EK-Pro
GPU WB RTX 8000 – Ni + Inox

GPU WATER BLOCK

This product is compatible with Nvidia Quadro RTX 8000 graphics card. It is intended for installation by expert users only. Please consult with a qualified technician since improper installation may result in damage to the equipment. EK assumes no liability whatsoever, expressed or implied, for the use of these products, nor their installation. The following instructions are subject to change without notice. Please visit our website at www.ekwb.com for updates. Before the installation of this product, please read important notice, disclosure, and warranty conditions printed on the back of the box.

Before you start using this product, please follow these basic guidelines:

Carefully read the manual before beginning with the installation process.

Remove your graphics card from the computer for the safest mounting process and to prevent any possible damages to your GPU or its circuit board (PCB).

EK Fittings require only a small amount of force to screw them firmly in place since the liquid seal is ensured with the rubber O-ring gaskets.
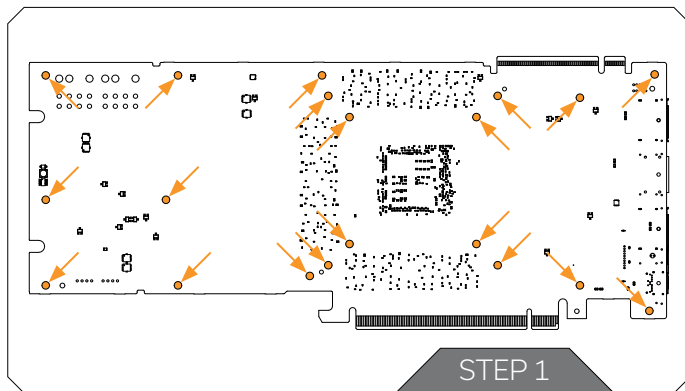
The use of quality market-proven corrosion-inhibiting coolants is always strongly recommended for any liquid cooling system.

Do not use pure distilled water as a cooling liquid! For best results, EK recommends the use of EK-CryoFuel Coolants.
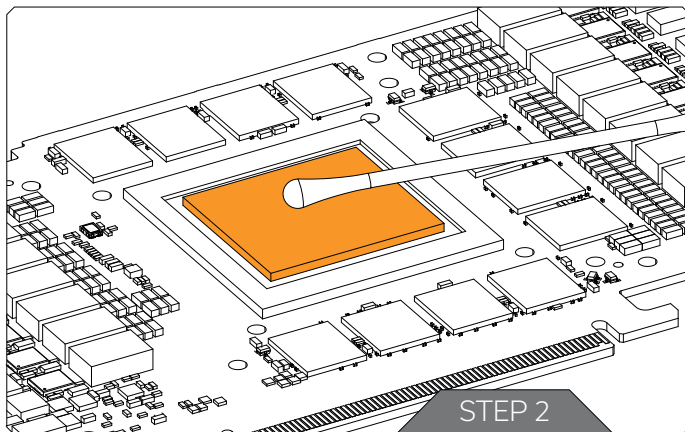
TABLE OF CONTENTS

PREPARING THE GRAPHICS CARD

STEP 1

STEP 1
REMOVING THE STOCK COOLER
Remove all encircled screws using a Phillips head screwdriver. All heat sink assembly screws should be removed, including self-adhesive washers on both sides of the PCB (if present). After that, remove the I/O bracket.


STEP 2

STEP 2
CLEANING THE PCB
Carefully detach the original stock cooler after removing all screws that are securing it to the board. Wipe off the remains of the original thermal compound using a nonabrasive cloth or Q-tip, as shown in the sample image, until the components and circuit board are completely clean. EK recommends the use of denatured alcohol for removing TIM leftovers.
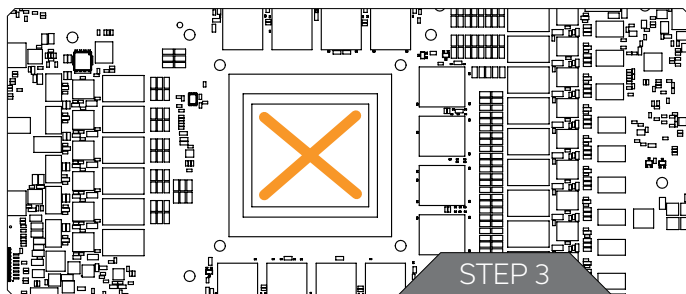
STEP 3

STEP 3
APPLYING THERMAL COMPOUND

Lightly coat the GPU chip with enclosed EK-TIM Ectotherm thermal grease. For best performance, EK recommends applying thermal grease in the form of a cross (see sample image).


Thermal Pad F 1.0mm

120 — 16

Thermal Pad F 0.5mm

120 — 16
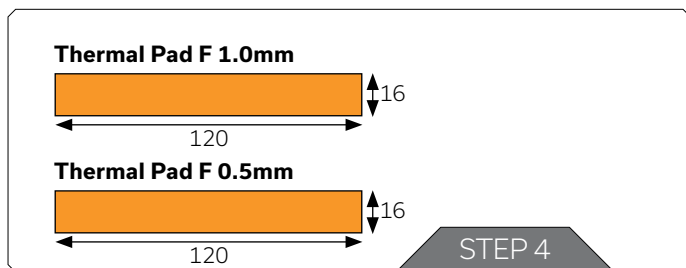
STEP 4

STEP 4
CUTTING THERMAL PADS

Your GPU water block comes with thermal pads that have to be cut into smaller pieces to cover all the VRM components. **You must remove the protective foil from both sides of the thermal pad before installation.**

Replacement thermal pads:
1. Thermal Pad F 1.0mm – (120x16mm) – (EAN: 3830046996732)
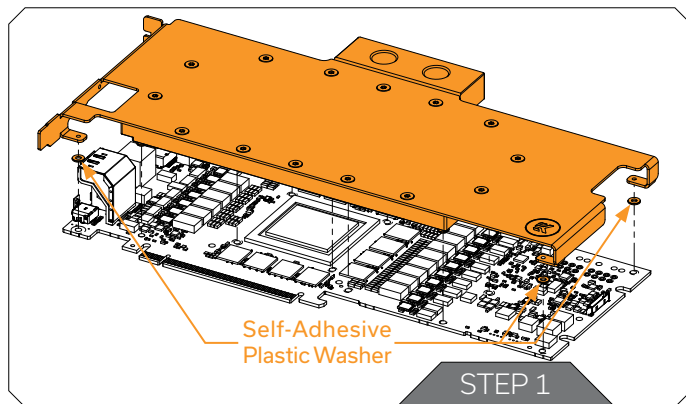2. Thermal Pad F 0.5mm – (120x16mm) – (EAN: 3830046996725)

F 1.0 mm

F 0.5 mm
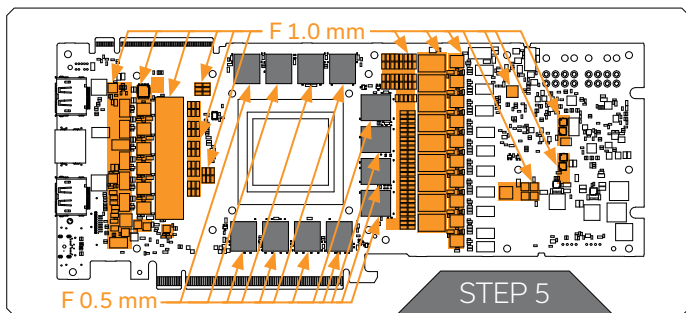
STEP 5

STEP 5
PLACING THERMAL PADS ON PCB

Once cut to size, thermal pads should be placed on the PCB, as illustrated below. EK made sure to provide you with more than an adequate quantity of thermal pads to complete this Step.

INSTALLING THE WATER BLOCK

Self-Adhesive
Plastic Washer

STEP 1

STEP 1
PLACING THE BLOCK ON THE GRAPHICS CARD
Carefully position the water block with preinstalled standoffs on the graphics card. During this process, please make sure you have aligned mounting holes on the PCB with holes on the water block (same applies to other tops).
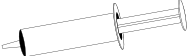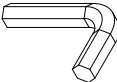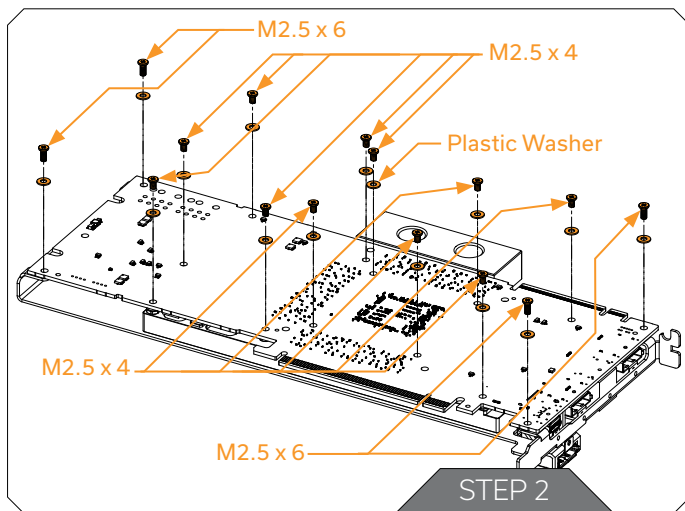
Pay attention not to use too much force when pressing the block down to the PCB since chip dies are prone to cracking.

BAG CONTENTS
The content of the bag is universal for all water blocks - you may not need every screw.

| M2.5 x 4 AX1 16 pcs	M2.5 x 6 AX1 13 pcs	M2.5 x 8 AX1 2 pcs	M3 x 4 DIN7985 2 pcs	M2.5 Helix Nut 6 pcs	PVC Washer 16 pcs

Thermal Grease 1 pc	EK Plug G1/4 2 pcs	6 mm Allen Key 1 pc	2.5 mm Allen Key 1 pc

M2.5 x 6
M2.5 x 4
Plastic Washer
M2.5 x 4
M2.5 x 6
STEP 2

M2.5 x 4 AX1	M2.5 x 6 AX1	M 2.5 PVC Washer
11 pcs	4 pcs	15 pcs

Phillips Screwdriver

STEP 2
ATTACHING THE BLOCK TO THE GRAPHICS CARD

Use a Phillips head screwdriver with the enclosed M2.5X4 and M2.5X6 screws. EK recommends you start tightening the screws evenly, around the GPU core first, and then continuing outward to prevent the damage to the GPU. Always use a plastic washer under each screw!
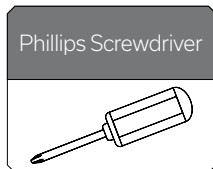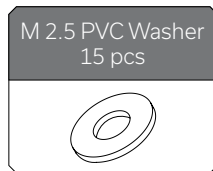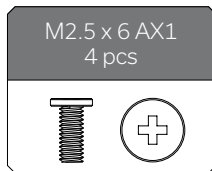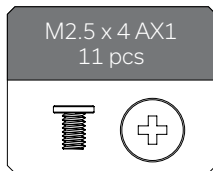
STEP 3
CHECKING FOR CONTACT

If necessary, temporarily remove the water block to check for uniform surface contact between the block and components. Pay special attention to the VRM section of the graphics card. Check whether the water block makes contact with the intended integrated circuit. Then repeat Steps from the previous section to re-attach the block.

In case you fail to obtain good contact, please check again or contact our support service at www.ekwb.com/support.

STEP 4
## INSTALLATION OF FITTINGS AND TUBING

Screw-in two (2) G1/4 threaded male fittings. Attach the liquid cooling tubes and connect the water block(s) to the cooling loop.

EK recommends using EK-Fittings with this water block.

You can use any opening as an inlet/outlet port.

Do not forget to plug the remaining two openings with enclosed EK-Plug G1/4 or its equivalent.

CAUTION: In case of using connectors other than EK Compression Fittings, pay special attention to the length of the fittings' male G1/4" thread. 5mm is the maximum G1/4" thread length allowed!

EK-Fitting

EK- Plug G1/4

Tubing

STEP 4
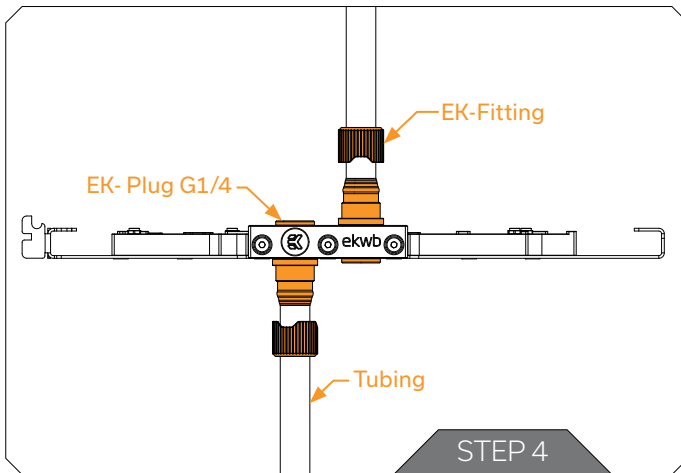
STEP 5
INSERTING THE GRAPHICS CARD IN THE PC CASE
Carefully lift your graphics card with the installed water block and insert it into your PC's motherboard PCIexpress expansion slot. Please bear in mind that your graphics card is very likely heavier than before it was equipped with the water block.
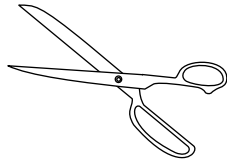
You need to be very careful when handling the graphics card. Avoid all unnecessary manipulation of the VGA-water block assembly that might damage your card or water block.

REQUIRED TOOLS
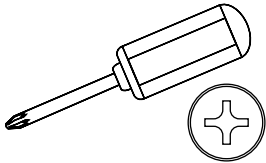
Phillips Head Screwdriver	Scissors

SUPPORT AND SERVICE

In case you need assistance, please contact:
http://support.ekwb.com/

EKWB d.o.o.
Pod lipami 18
1218 Komenda
Slovenia - EU

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