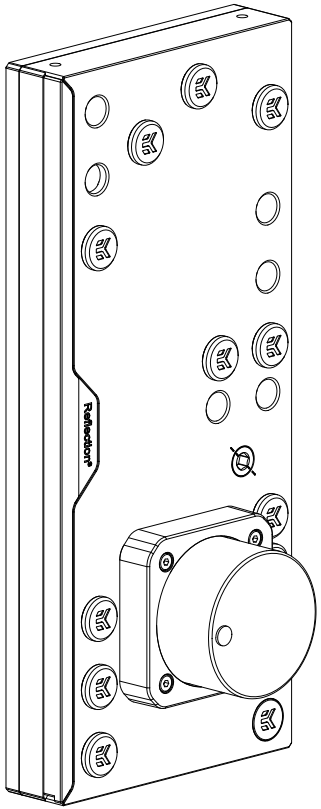
EK-Quantum Reflection3
Uni Distro Plate 300 D5

DISTRIBUTION PLATE



This product is intended for installation only by expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your equipment. EK Water Blocks 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 installation of this product, please read important notice, disclosure, and warranty conditions that are printed on the back of the box.

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

Please carefully read the manual before beginning the installation process.

The EK Fittings require only a small amount of force to screw them firmly in place since the liquid seal is ensured by the rubber O-ring gaskets.

The use of corrosion inhibiting coolants is always recommended for liquid cooling systems, and mandatory for nickel plated water blocks.

Do not use pure distilled water! For best results EK recommends theuse of EK-Cryo Fuel coolants.

Make sure to thoroughly bleed air out of your water block, or you will not reach optimal performance.

Do not use any alcohol or cleaners to clean the Plexi; use only lukewarm soapy water.

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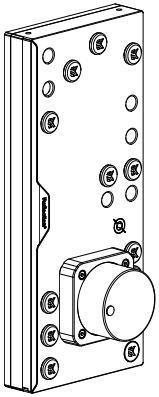
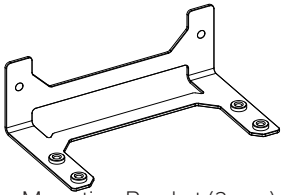
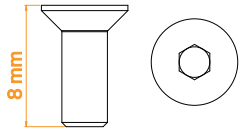


EK-Quantum Reflection3 Uni Distro Plate 300 D5

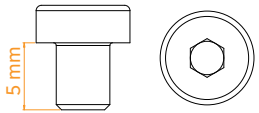
Mounting Mechanism EAN: 108811



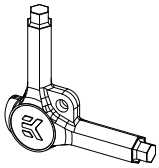
Mounting Bracket (2 pcs)
EAN: 108746



Screw M3x8 DIN7991 (4 pcs)
EAN: 8208



Screw M4x5 DIN7984 (4 pcs)
EAN: 9066

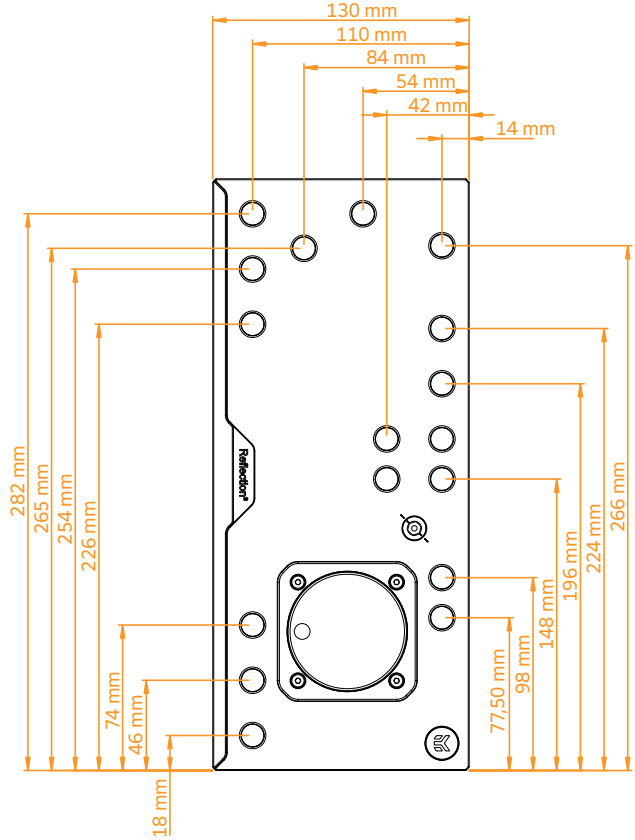


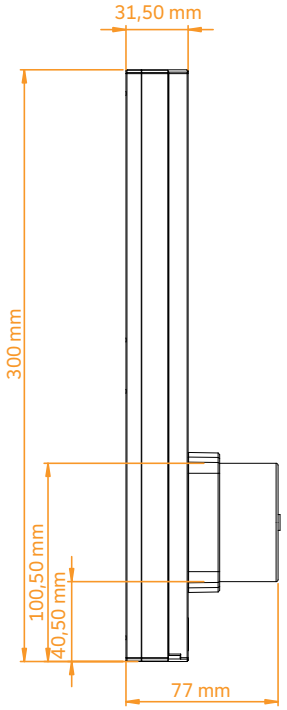
EK-Loop Multi Allen Key (1 pc)

Allen Key 2,5 mm (1 pc)

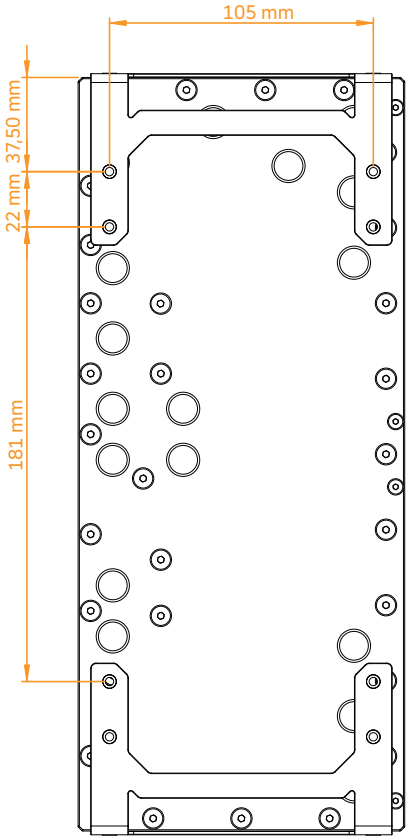
Allen Key 2 mm (1 pc)

DISTRIBUTION PLATE DIMENSIONS

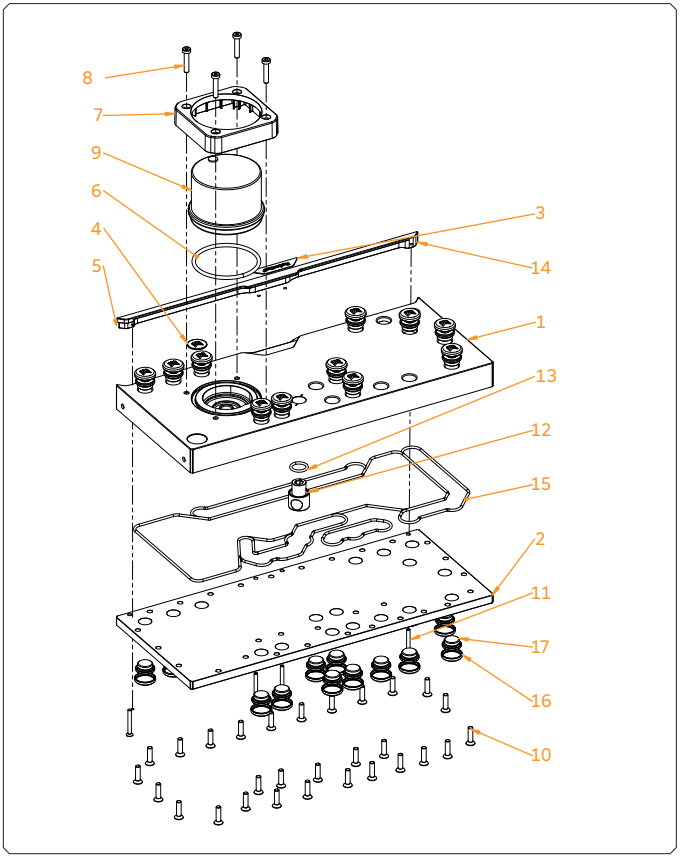




MOUNTING HOLES DIMENSIONS



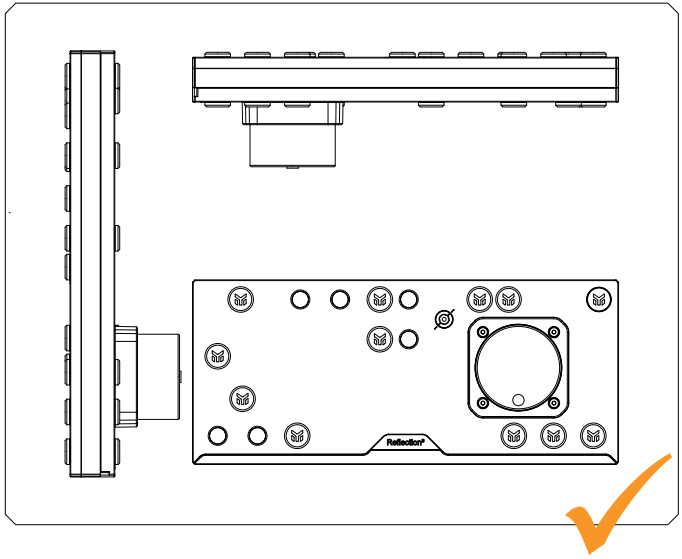
TECHNICAL SPECIFICATIONS



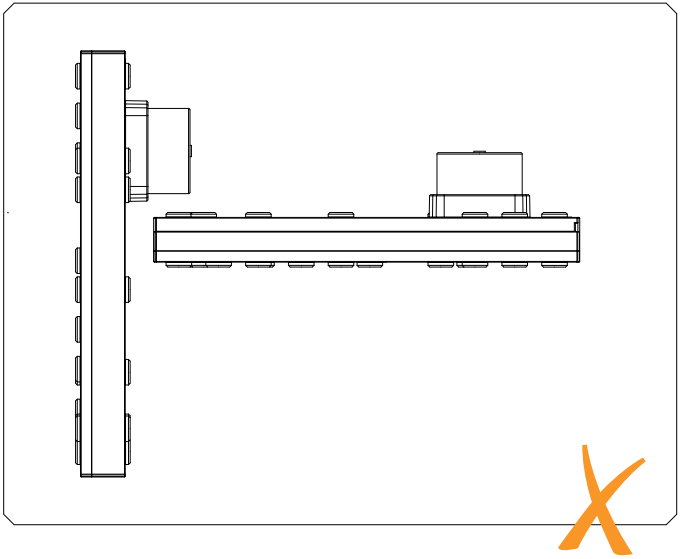
Pos.	EAN	Description	Qty.
1	108506	TOP Plexi - Block	1
2	108507	TOP Plexi - Lid	1
3	108509	Mylar Label	1
4	100663	EK RGB Badge	1
5	101556	LED D-RGB Strip	1
6	5154	OR 52x3 mm	1
7	105913	D5 Pump Holder	1
8	8311	Screw M4x20 DIN7984	4
9	3831109837597	Pump EK-D5 PWM	1
10	8312	Screw M4x16 DIN7991	30
11	9061	Screw M3x25 DIN7991	4
12	108561	By-Pass Insert	1
13	5218	OR - 12x2 mm	1
14	108512	LED Cover	1
15	108508	OR - Reflection3 Uni Distro Plate	1
16	3831109834282	EK-Plug Cover	28
17	102639	EK-Plug G1/4	28

Distro Plate can be mounted in multiple directions.

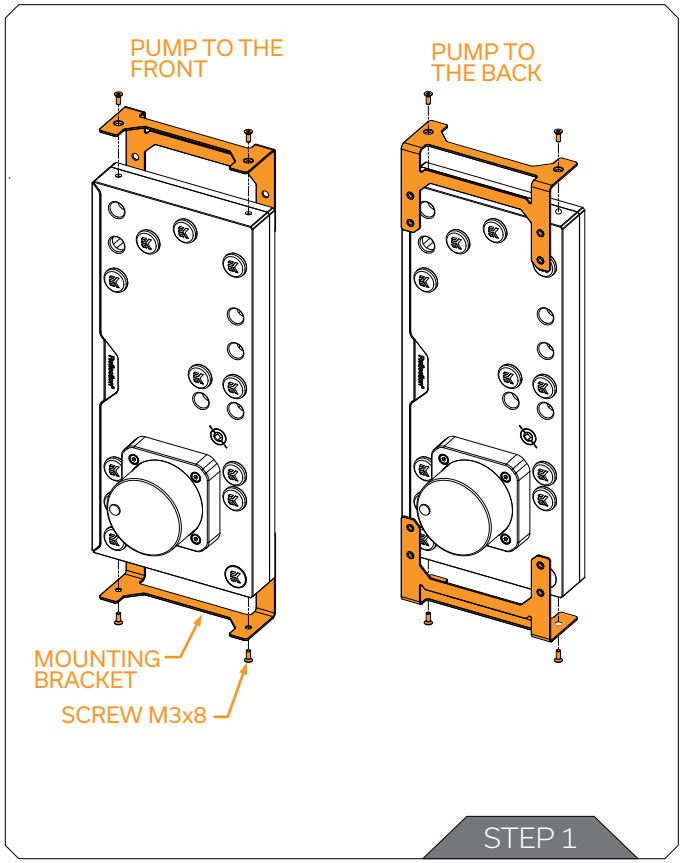
Vertical and horizontal positions are optional.



Do not mount Distro Plate when the pump is in dead position.



DISTRIBUTION PLATE INSTALLATION



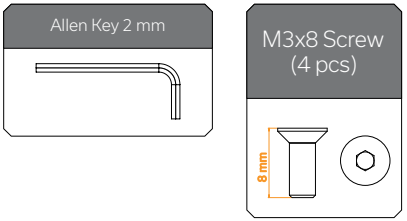
The Uni Distro Plate can be installed with the pump facing either the front or the back of the case. By default, it is pre-configured for a front-facing pump orientation (open ports).

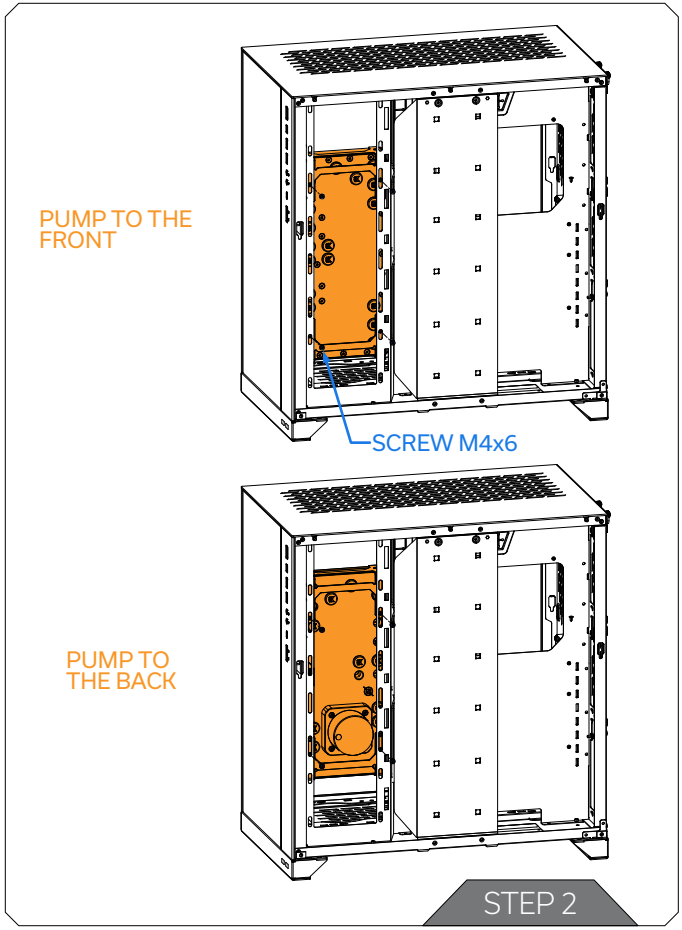
The mounting brackets are designed to be rotatable, allowing you to adjust their orientation to match your setup.

Attach two (2) mounting brackets to the distribution plate using the supplied four (4) M3×8 DIN7991 screws using 2 mm allen key.

The screws shouldn't be over-tightened to avoid cracking the acrylic.

For this step, you will need:



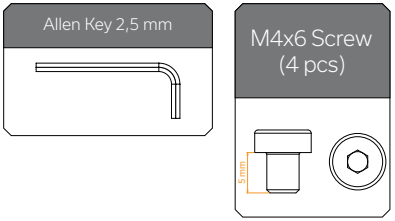


Carefully place the distribution plate into the case and align the mounting holes. Be careful not to scratch the acrylic!

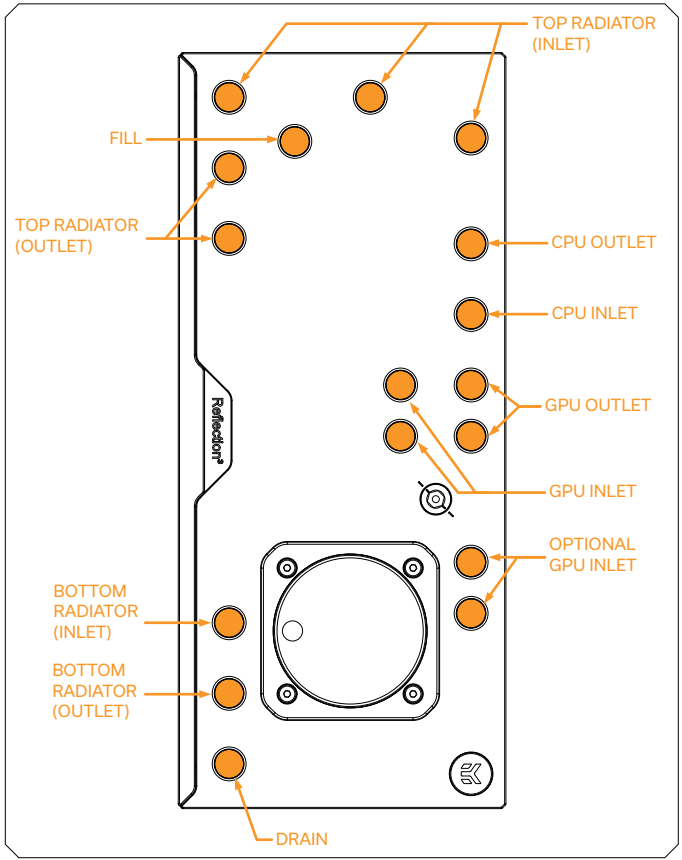
From the backside of the PC case, secure the distribution plate through the fan bracket using M4 x 6 DIN7984 screws.

Do not use excessive force!

For this step, you will need:



RECOMMENDED DISTRIBUTION PLATE CONFIGURATIONS



To complete your loop, all ports must be used as marked in the image.

All unused ports should be blocked using G1/4 plugs.

Only one INLET and one OUTLET port for the GPU connection can be used, while all other INLET and OUTLET GPU ports must be closed with G1/4 plugs.

Only one INLET and one OUTLET port for the TOP Radiator connection can be used, while all other INLET and OUTLET TOP Radiator ports must be closed with G1/4 plugs.

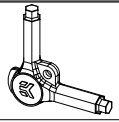
If one of the prescribed components will not be installed (eg. radiator or GPU water block) then one INLET and one OUTLET port still must be joined in order for this distribution plate to function!

Please note that when the optional ports are used, the by-pass valve has no function. Please consider this during system design and configuration.

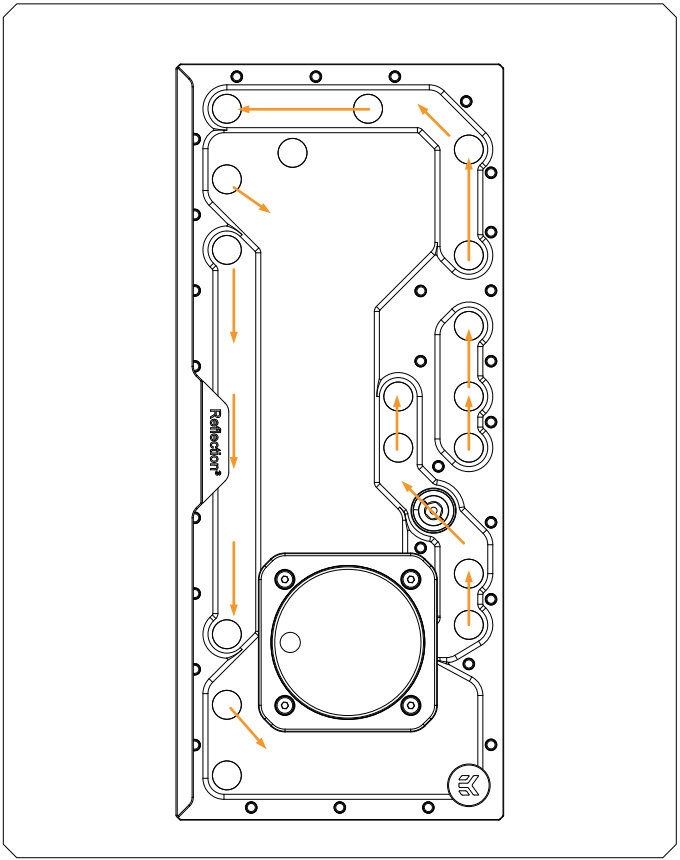
All ports are accessible from both sides—use them according to the chosen orientation.

For this step, you will need:

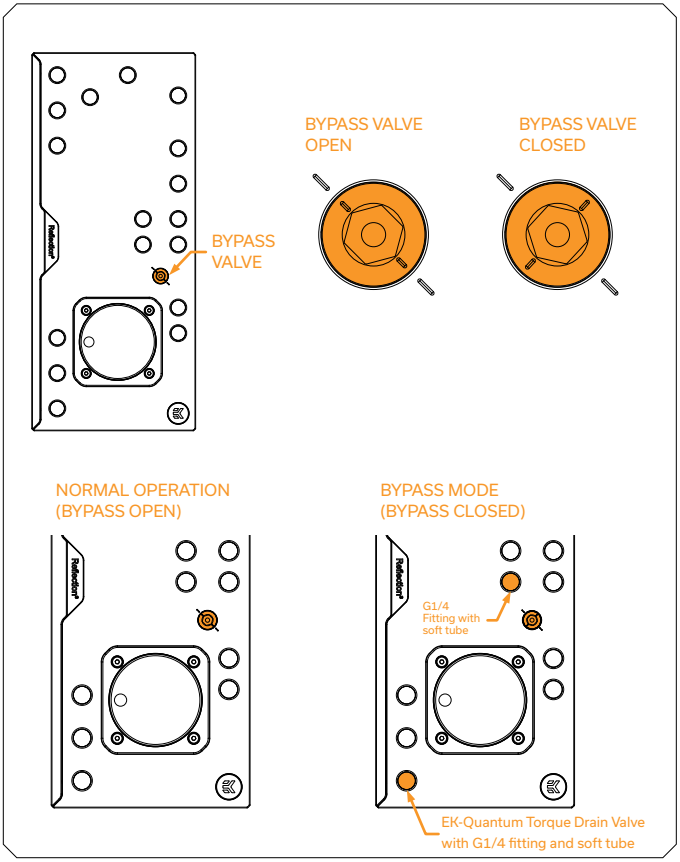
EK-Loop Multi Allen Key



FLOW DIAGRAM



BYPASS FUNCTION



Coolant Draining and Bypass Valve Operation

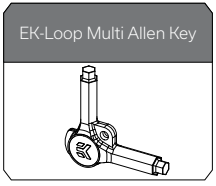
The distribution plate features a bypass valve that can be set to a closed position. When closed, the coolant channel is cut off, allowing you to use an air blower the remove remaining coolant from the system via the EK-Quantum Torque Drain Valve. This simplifies the coolant replacement process.

Draining Procedure:

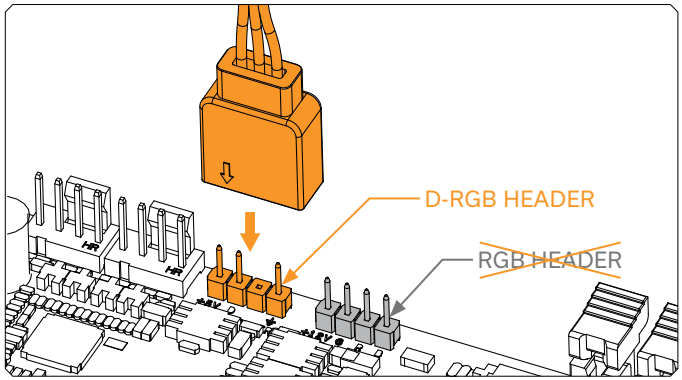
1. Attach a EK-Quantum Torque STC fitting with tubing to the EK-Quantum Torque Drain Valve and drain the coolant.
2. Ensure the bypass valve channel is completely drained.
3. Remove the top plug next to the bypass valve and attach a EK-Quantum Torque STC fitting with soft tubing.
4. Close the bypass valve. Use the EK-Loop Blower to blow air into the tube above the valve, expelling remaining coolant from the system.
5. Reopen the bypass valve after the system is emptied.

Note: EK-Quantum Torque Drain Valve EK-Quantum Torque STC, and soft tubing are not included.

For this step, you will need:



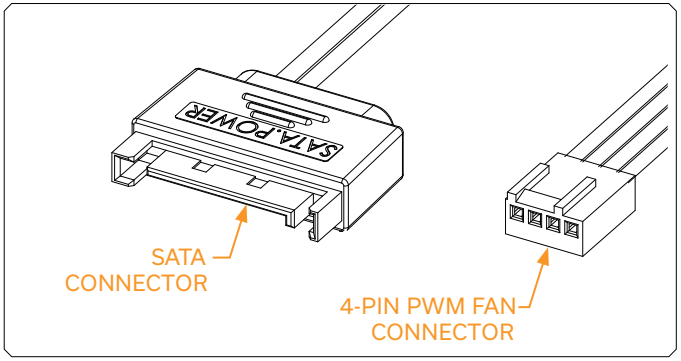
CONNECTING THE D-RGB LED STRIP



Plug the 3-pin connector from the water block's D-RGB LED light in the D-RGB HEADER on the motherboard. The LED will work if the pin layout on the header is as follows: +5V, Digital.

Please ensure that the arrow indicated on the connector is plugged into the +5V line as indicated on your motherboard. Failure to do so will damage your motherboard or LED strip.

CONNECTING THE PUMP



The EK-D5 Pump has two connectors:

1. **SATA Connector:** It must be connected directly to your PSU at all times as it is used to power the pump.

2. **4-pin PWM fan:** It can be connected to your motherboard's CPU_Fan or designated water pump header. It can also be connected to a controller. This cable is used to control and report the rotational speed of the pump. If it's not connected, the pump will run at maximum speed (100% PWM).

TESTING THE LOOP

To make sure the installation of EK components was successful, we recommend you perform a leak test for 24 hours.

When your loop is complete and filled with coolant, connect the pump to a PSU outside of your system. Do not connect power to any of the other components. Turn on the PSU and let the pump run continuously. It is normal for the coolant level to drop during this process as air collects in the reservoir.

Inspect all parts of the loop, and in the eventuality that coolant leaks, fix the issue and repeat the testing process. Ensure that all hardware is dry before the system is powered on in order to prevent any damage.

SUPPORT AND SERVICE

In case you need assistance or wish to order spare parts or a new mounting mechanism, please contact:
https://www.ekwb.com/customer-support/

For spare parts orders, refer to the page with "TECHNICAL SPECIFICATIONS AND WATER BLOCK PARTS" where you can find the EAN number of each part you might need.

Include the EAN number with quantity in your request. Mounting Mechanism EAN can be found under "BOX CONTENTS"

Thermal pads are readily available in the EK shop

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