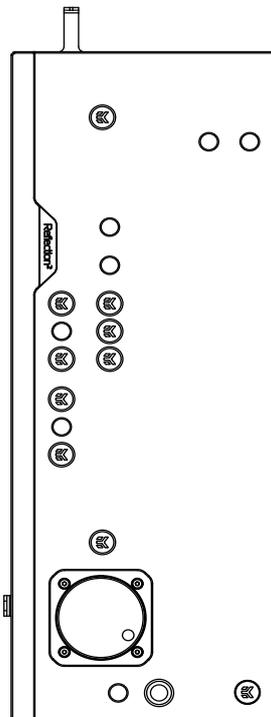


EK-Quantum Reflection² Fractal XL D5 PWM D-RGB

DISTRIBUTION PLATE



Please note the installation of the product is intended to be undertaken by an adequately trained and experienced person. You are installing the product at your own risk. If you are not properly trained or experienced or feel unsure about the installation procedure, please refrain from installing the product yourself and contact our tech support for assistance. We disclaim our liability for any damages to the product as well as incidental, consequential, or indirect damages incurred due to improper or inappropriate installation.

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

Please carefully read the manual before beginning with the installation process!

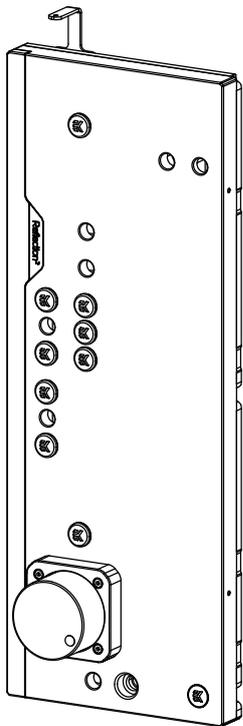
The EK Fittings require only a small amount of force to screw them firmly in place since the liquid seal is ensured by the rubber O-ring gaskets.

The use of corrosion inhibiting coolants is always recommended for any liquid cooling system. EKWB recommends any of the EK Cryofuel for worry-free usage.

TABLE OF CONTENT

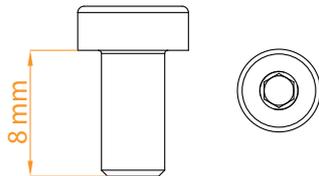
| | |
|--|-----------|
| BOX CONTENTS | 4 |
| DISTRIBUTION PLATE DIMENSIONS | 5 |
| TECHNICAL SPECIFICATIONS AND PRODUCT PARTS | 6 |
| PREPARING THE FRACTAL XL CHASSIS | 7 |
| INSTALLING THE DISTRIBUTION PLATE | 8 |
| RECOMMENDED DISTRIBUTION PLATE CONFIGURATIONS | 9 |
| INSTALLING THE RADIATORS AND FANS | 11 |
| ATTACHING THE PUSH-IN ADAPTER (OPTIONAL) | 12 |
| FLOW DIAGRAM | 13 |
| CONNECTING THE D-RGB LED STRIP | 14 |
| CONNECTING THE PUMP | 14 |
| TESTING THE LOOP | 15 |
| SUPPORT AND SERVICE | 16 |
| SOCIAL MEDIA | 16 |

BOX CONTENTS

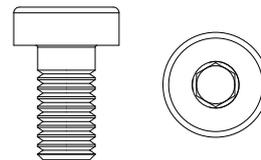


EK-Quantum Reflection² Fractal XL D5
PWM D-RGB

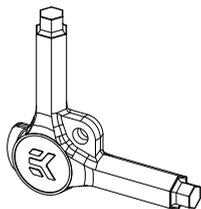
Mounting Mechanism EAN: 105682



Screw M3 x 8 DIN7984 (3 pcs)



Screw M3 x 5 DIN7984 (1 pc)

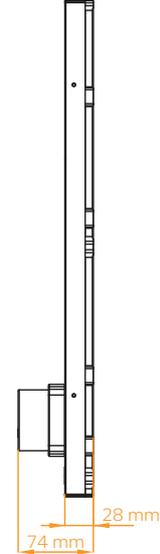
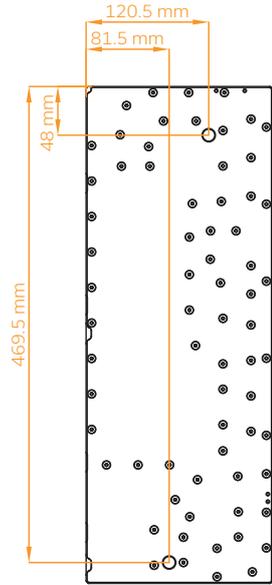
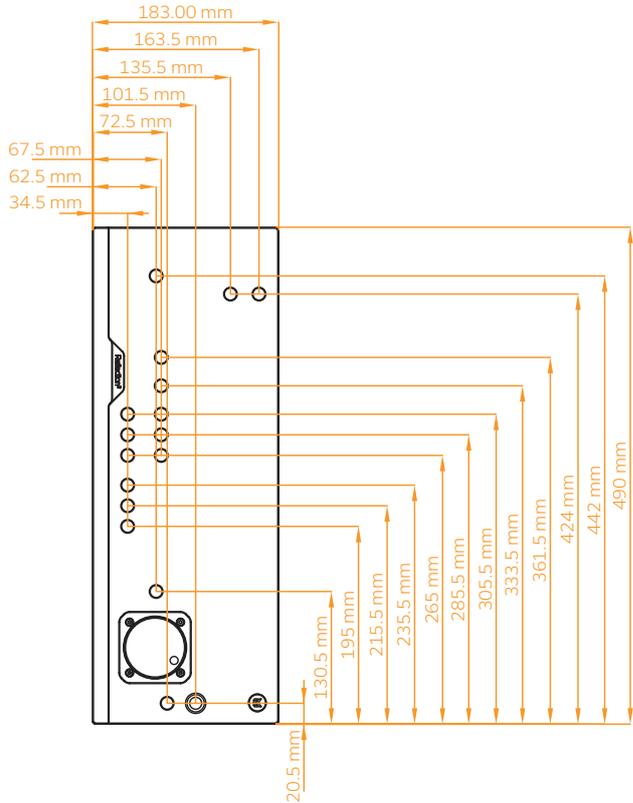


EK-Loop Multi Allen Key



Allen Key 2 mm (1 pc)

DISTRIBUTION PLATE DIMENSIONS

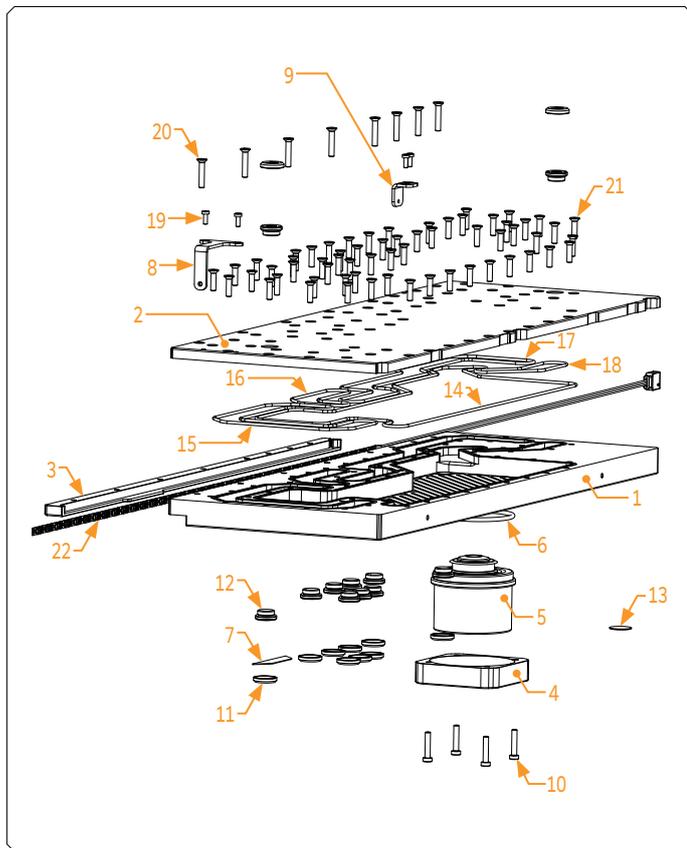


TECHNICAL SPECIFICATIONS AND PRODUCT PARTS

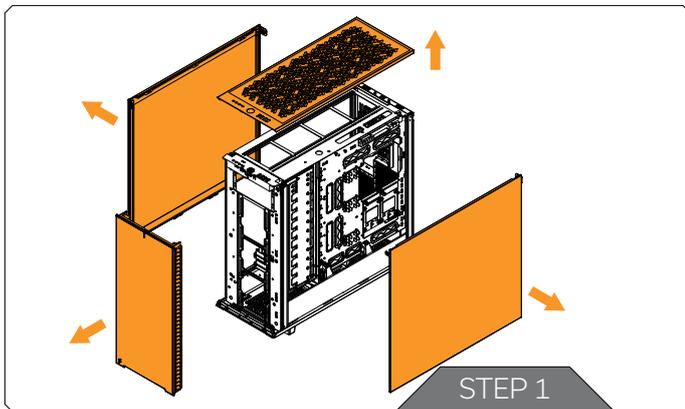
Technical Specification:

- Dimensions with the attached pump (W x D x H): 183 x 74 x 490 mm
- D-RGB LED count: 27
- D-RGB cable length: 600 mm
- D-RGB connector standard 3-pin (+5V, Data, Blocked, Ground)

| Position | EAN | Description | Quantity |
|----------|---------------|----------------------------|----------|
| 1 | 105547 | Bottom plate (Plexi) | 1 |
| 2 | 105548 | Top plate (Plexi) | 1 |
| 3 | 105539 | Led cover (Black e.) | 1 |
| 4 | 101803 | Pump cover (Acetal) | 1 |
| 5 | 3831109837597 | D5 Pump | 1 |
| 6 | 5154 | OR 52 x 3 mm | 1 |
| 7 | 104599 | Mylar sticker | 1 |
| 8 | 105546 | Bracket 1 (Black) | 1 |
| 9 | 105544 | Bracket 2 (Black) | 1 |
| 10 | 8311 | Screw M4 x 20 DIN7984 | 4 |
| 11 | 3831109834282 | Plug Cover | 11 |
| 12 | 102639 | EK-Plug G1/4 | 11 |
| 13 | 100663 | EK - Badge | 1 |
| 14 | 105549 | OR 340 x 2 mm | 1 |
| 15 | 105550 | OR 192 x 2 mm | 1 |
| 16 | 105551 | OR 77 x 2 mm | 1 |
| 17 | 105552 | OR 245 x 2 mm | 1 |
| 18 | 105553 | OR 64 x 2 mm | 1 |
| 19 | 8017 | Screw M3 x 5 ISO7380 | 4 |
| 20 | 8251 | Screw M4 x 22 7991DIN | 8 |
| 21 | 8312 | Screw M4 x 16 DIN7991 | 61 |
| 22 | 102458 | LED D-RGB strip 800/600 mm | 1 |



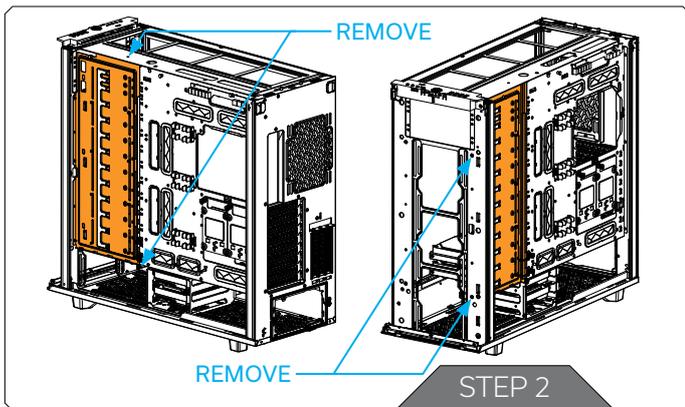
PREPARING THE FRACTAL XL CHASSIS



Before installing the distribution plate, carefully read the PC case manual.

STEP 1

First, remove the front, side, and top panels from the PC case.

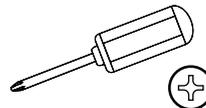


STEP 2

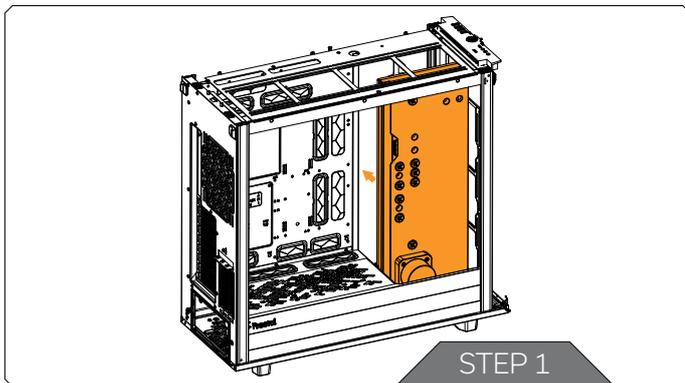
Unscrew the 4 (four) marked factory screws and remove the HDD panel.

For this step you will need:

Phillips Head Screwdriver

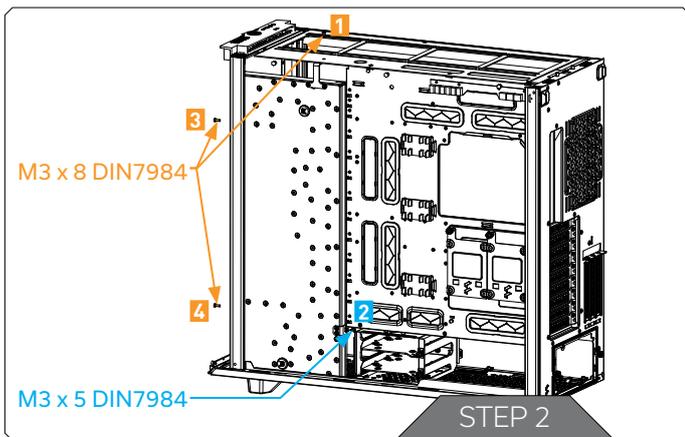


INSTALLING THE DISTRIBUTION PLATE



STEP 1

Carefully place the EK-Quantum Reflection² Fractal XL D5 PWM D-RGB distribution plate into the PC case and align the mounting holes.

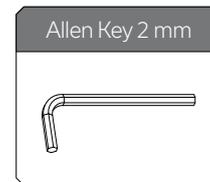
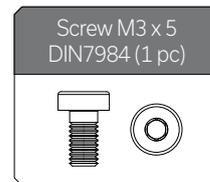
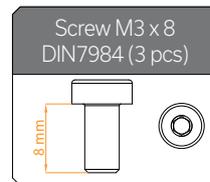


STEP 2

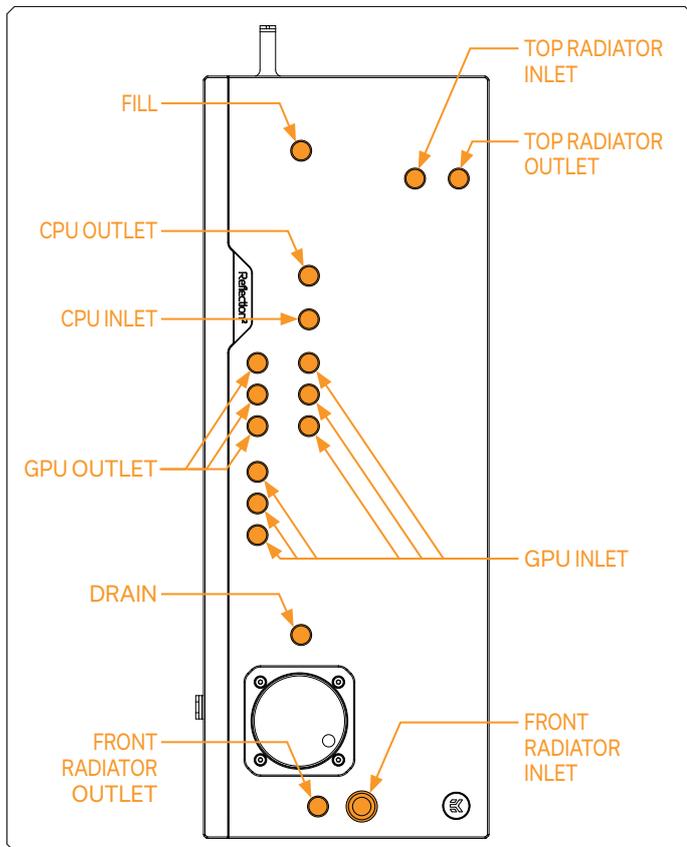
Secure the distribution plate to the chassis with three (3) M3 x 8 DIN7984 and one (1) M3 x 5 DIN7984 screw (as shown in the diagram).

Tighten the screws according to the numerical order shown in the image!

For this step you will need:



RECOMMENDED DISTRIBUTION PLATE CONFIGURATIONS



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

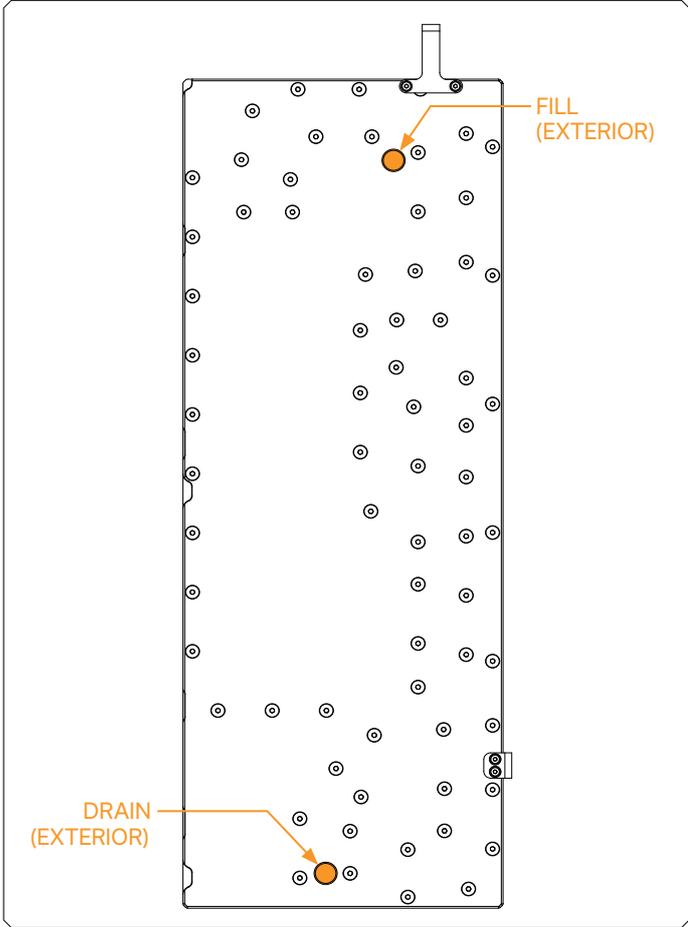
All remaining unused ports must be closed with supplied plugs, using the EK-Loop Multi Allen Key.



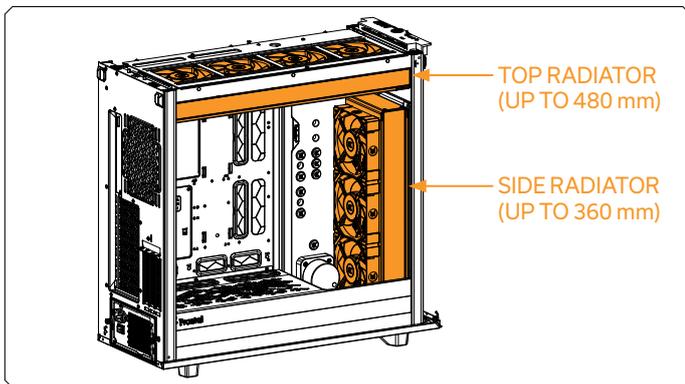
If one of the prescribed components will not be installed (ie. bottom radiator or GPU block) then one INLET and one OUTLET port must still be joined together in order for this distribution plate to function!



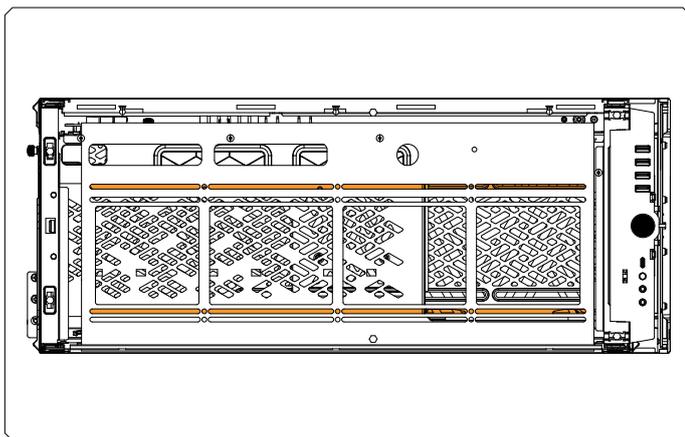
Only one INLET and one OUTLET port for the GPU connection can be used, while all other INLET and OUTLET GPU ports must be closed with G1/4 plugs.



INSTALLING THE RADIATORS AND FANS



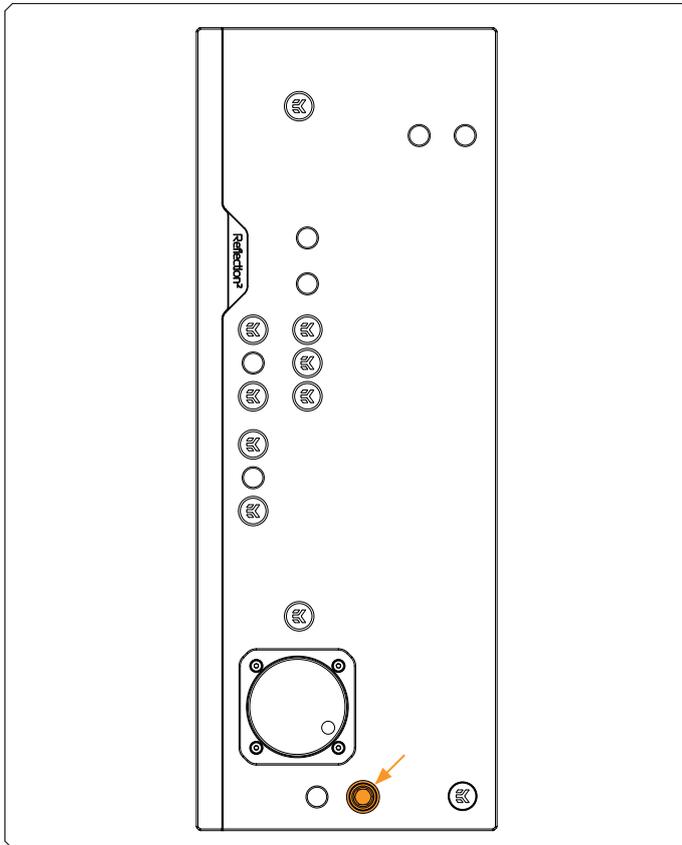
With the EK-Quantum Reflection² Fractal XL D5 PWM D-RGB distribution plate, it's possible to connect the Top Radiator (Up to 480 mm) and Side Radiator (Up to 360 mm).



While securing the Top radiator with Fans into the PC case, make sure to select the marked holes.

Otherwise, reusing the front panel is not possible.

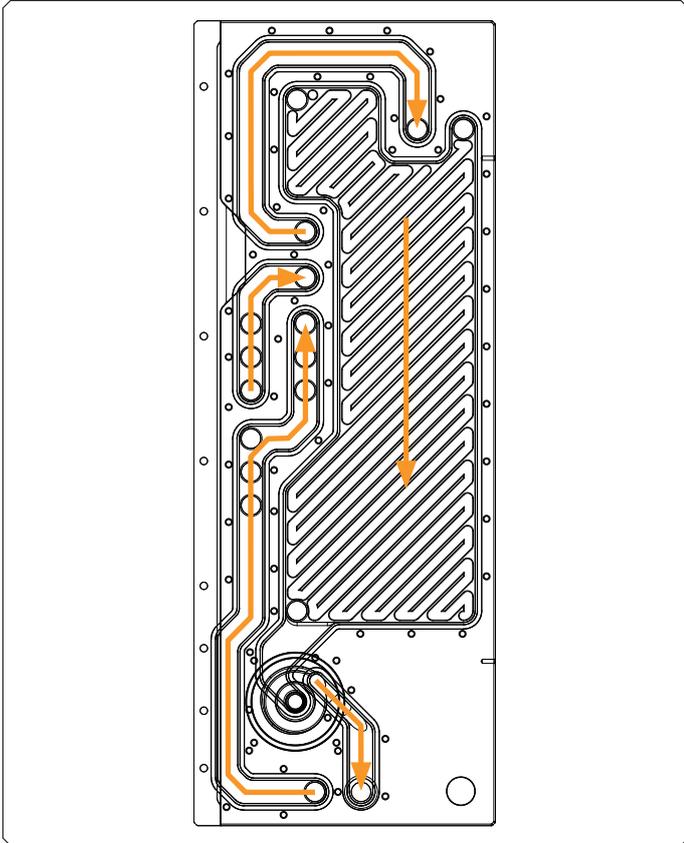
ATTACHING THE PUSH-IN ADAPTER (OPTIONAL)



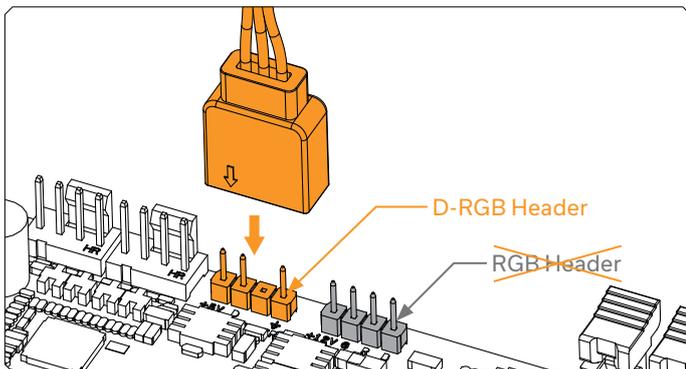
The push-in adapter can be attached to the marked place in the diagram.

For easier installation of the push-in adapters, EK recommends to lubricate the O-rings with a few drops of coolant or water.

FLOW DIAGRAM

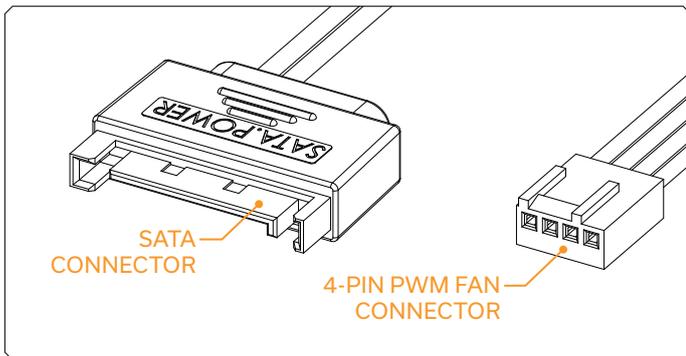


CONNECTING THE D-RGB LED STRIP



Plug the 3-pin connector of the distribution plate D-RGB LED light to the D-RGB HEADER on the motherboard. The LED will work if the pin layout on the header is as follows: **+5V, Digital, Empty, Ground.**

CONNECTING THE PUMP



The EK-D5 PWM 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 distribution plate.

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 PRODUCT 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

SOCIAL MEDIA

 EKWaterBlocks

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