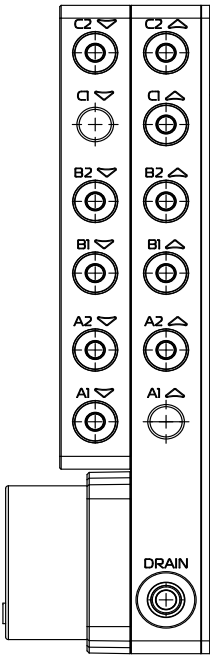
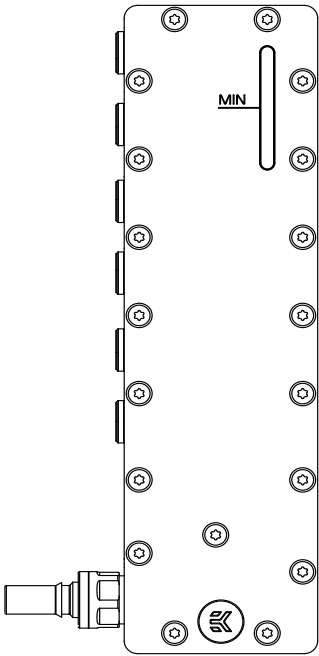


EK-Pro

Pump Reservoir Manifold X6 D5 – Acetal

PUMP-RESERVOIR COMBO UNITS



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

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

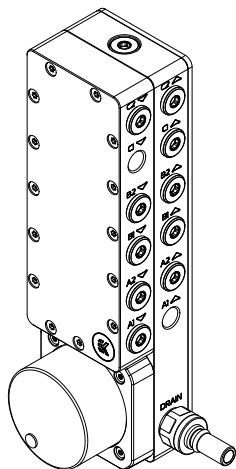
The EK Fittings require only a small amount of force to screw them firmly in place since the liquid seal is ensured by the rubber O-ring gaskets.

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

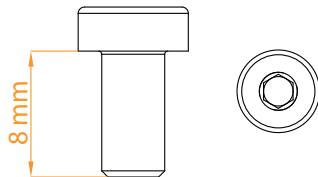
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EK-Pro Pump Reservoir Manifold X6 D5 - Acetal

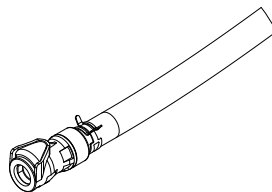
Mounting: 107529



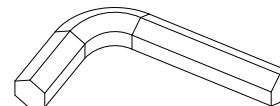
Screw M4 x 8 DIN7984 (5 pcs)



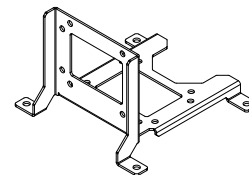
Allen Key 2.5 mm (1 pc)



EK-Pro Drain Hose QD 1m (1 pcs)

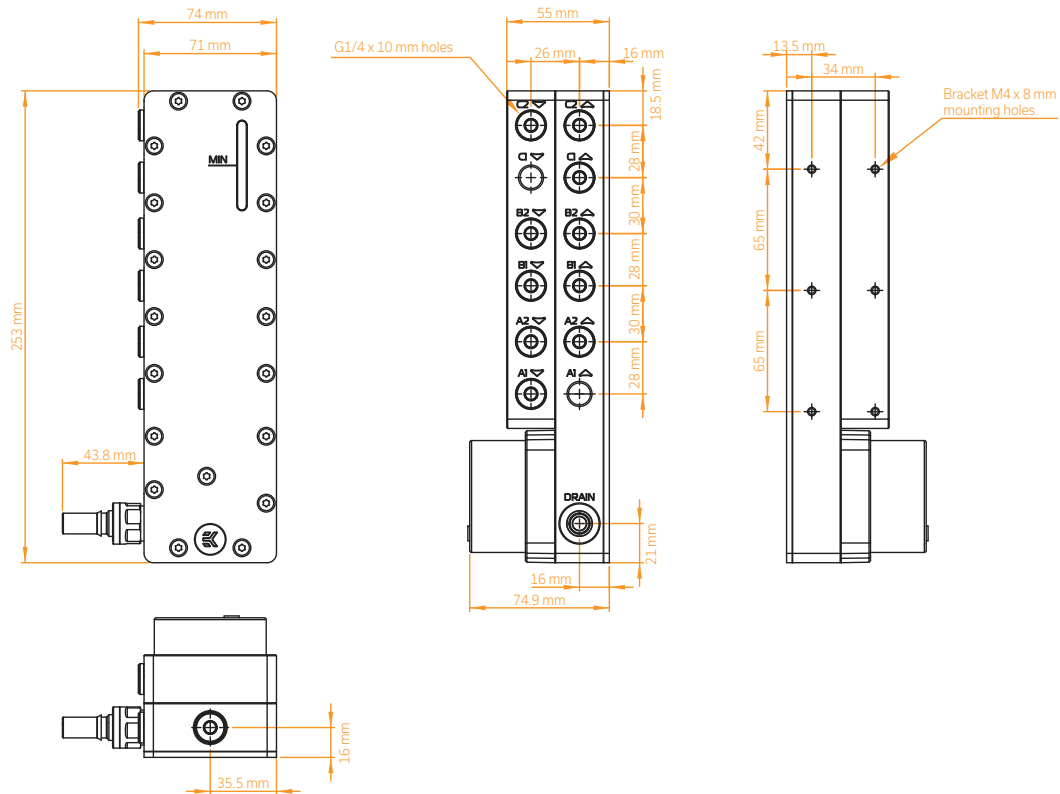


Allen Key 6 mm (1 pc)



Metal UNI Pump Bracket (120mm Fan) - V.
(1 pcs)

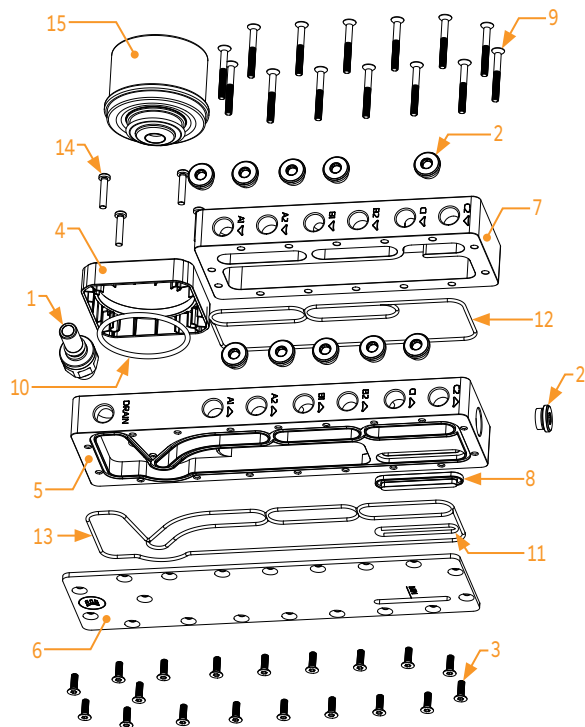
PUMP RESERVOIR COMBO MANIFOLD DIMENSIONS



TECHNICAL SPECIFICATIONS AND PRODUCT PARTS

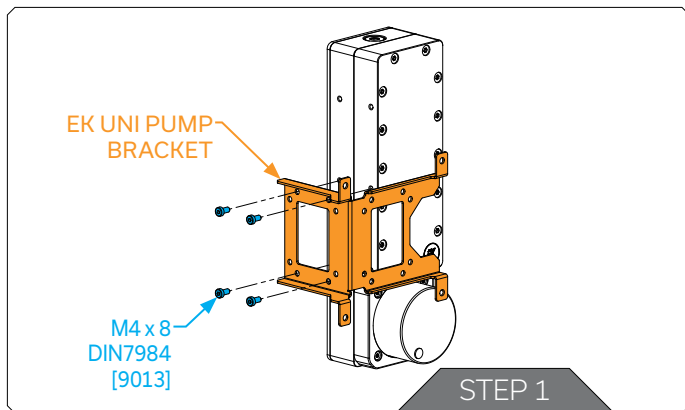
Technical Specification:

- Dimensions (W x D x H): 115 x 75 x 253 mm
- Dimensions with the attached bracket: 120 x 75 x 253 mm
- Reservoir volume: 240 ml



Position	EAN	Description	Quantity
1	102301	CPC QDC M G1/4	1
2	103116	PLUG G1/4 CSQ-Bridge	11
3	103289	Screw M4 x 12 ISO 14581 - TX-INOX	19
4	105913	TOP Acetal - F D5 Mount	1
5	107225	Acetal - EK-Pro X6 D5 - top	1
6	107226	INOX - Lid	1
7	107278	Acetal - EK-Pro X6 D5 - bottom	1
8	107279	TOP Plexi - Window	1
9	107363	Screw M4 x 35 ISO 14581 - TX-INOX	14
10	107461	OR 52 x 3 EPDM70	1
11	107497	OR 33 x 2 EPDM70	1
12	107498	OR set X6 D5 bottom	1
13	107498	OR set X6 D5 top	1
14	107510	Screw M4 x 20 ISO 14580 - TX-INOX	4
15	3831109837597	EK-D5 PWM (12V SATA)	1

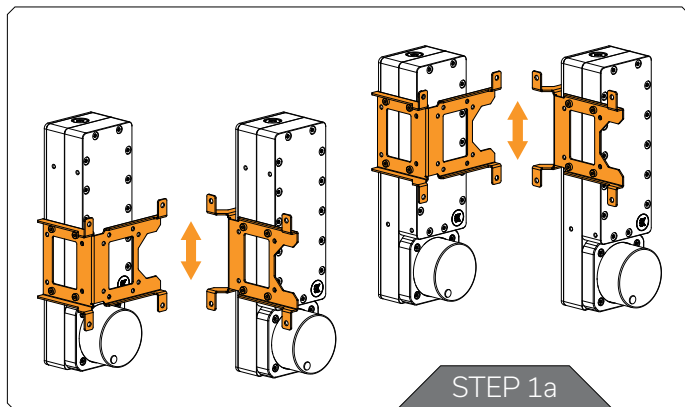
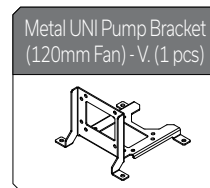
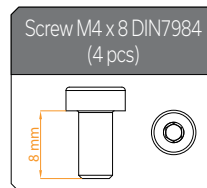
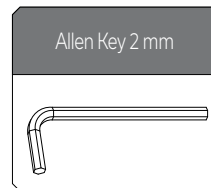
PREPARING THE PUMP RESERVOIR MANIFOLD UNIT



STEP 1

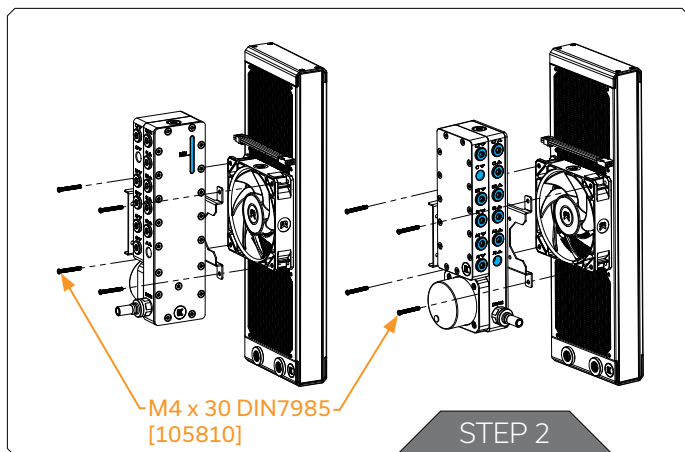
Install the provided EK UNI Pump Bracket Vertical with provided 4x M4 x 8 DIN7984 screws in the desired orientation.

For this step you will need:



STEP 1a

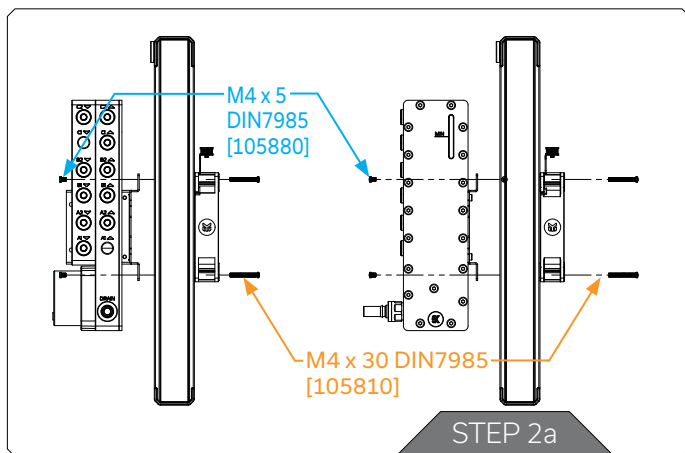
The bracket can be mounted in multiple orientations to best fit user needs. X6 manifold also offers two different mounting points per height. Four possible orientations of the pump bracket are shown left:



STEP 2

EKWB recommends that the unit be mounted to the front radiator, for example, P360. Either the ports or the coolant level window is facing the user.

Example left:



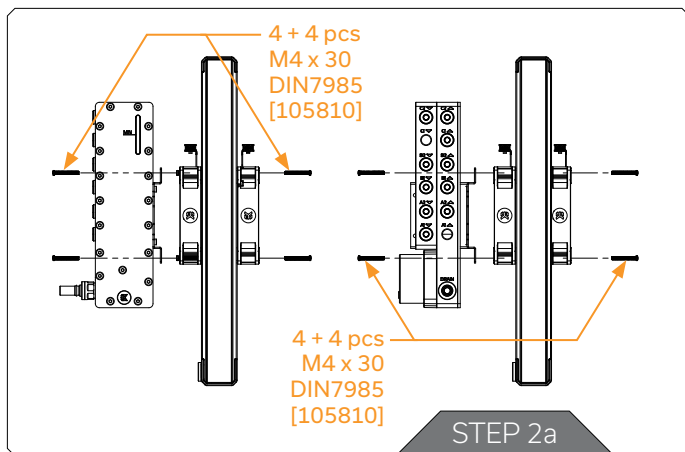
STEP 2a

The mounting of the unit depends on the radiator configuration [push / pull / push-pull].

If you use fan between the radiator and combo unit, you need to use M4 x 30 DIN7985 Philips screws that come with a radiator.

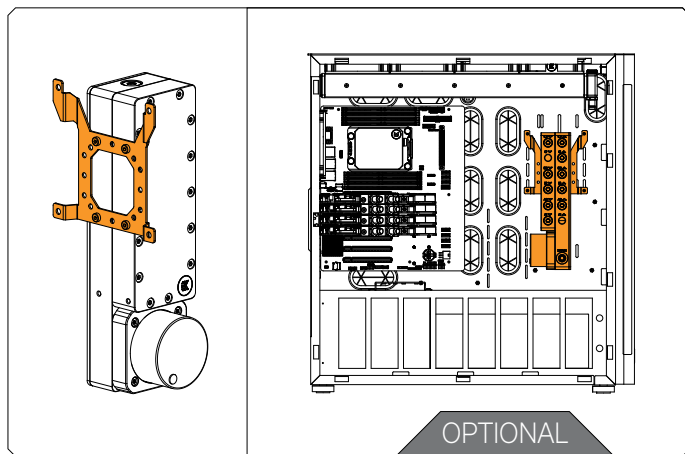
If you would like to mount the combo unit directly to the radiator, you need to use M4 x 5 DIN7985 Philips screws that also come with a radiator.

Examples for pull or push left:



If you use fans on both sides of the radiator [push-pull], you will need an extra 4pcs M4 x 30 DIN7985 Philips screws that are sold separately via the EK shop (EAN: 3831109897997).

Examples for push / pull left:

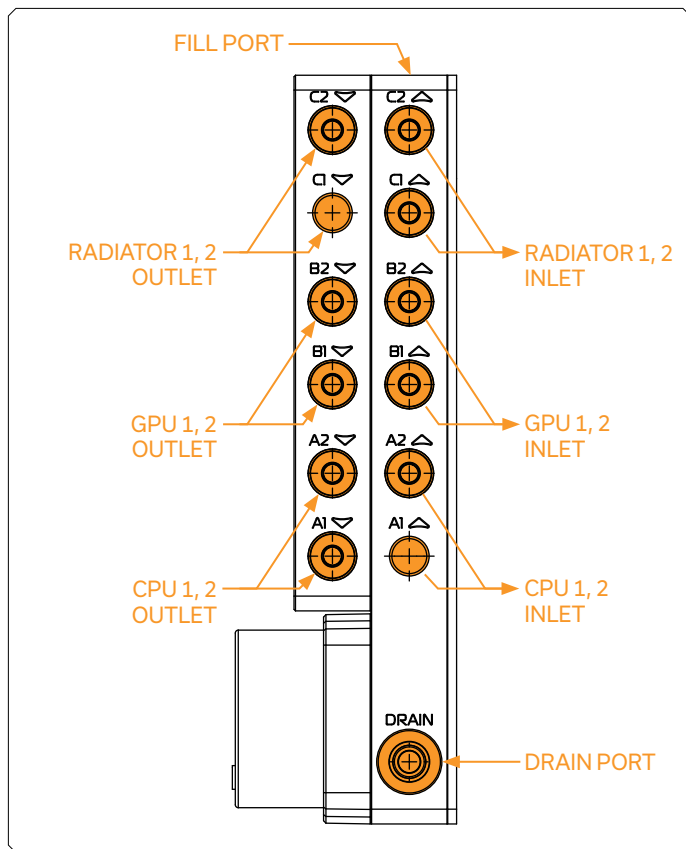


OPTIONAL

Combo unit compatible brackets can also be bought separately from the EK shop for example, EK-Loop Uni Pump Reservoir Bracket - 120mm / 140mm (EAN: 3831109824689 / 3831109824696) version of both pump or reservoir bracket.

Another option is that the unit is mounted to any chassis openings that support 105 x 105 mm or 125 x 125 mm raster holes.

RECOMMENDED PUMP RESERVOIR MANIFOLD 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 a 6mm Allen Key.



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

A1,A2 – EK recommends components with the highest heat load, ie. CPU blocks

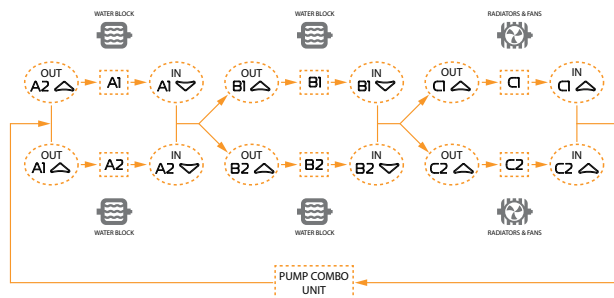
B1,B2 – EK recommends components with the 2nd highest heat load, ie. GPU blocks

C1,C2 – EK recommends radiators for the coolest coolant return to the pump

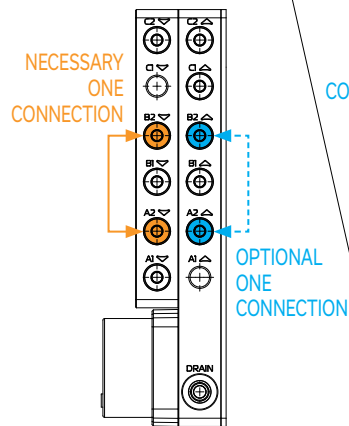


For optimal performance, EK recommends the usage of the same components in all 3 pairs (A, B, C) semi-parallel ports!

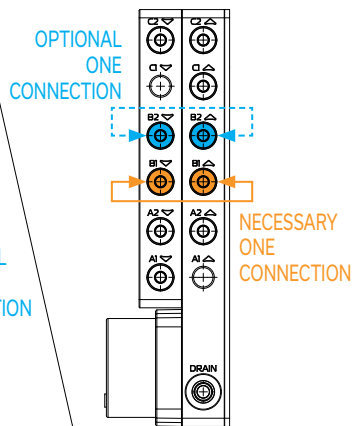
FLOW DIAGRAM



EXAMPLE 1:



EXAMPLE 2:



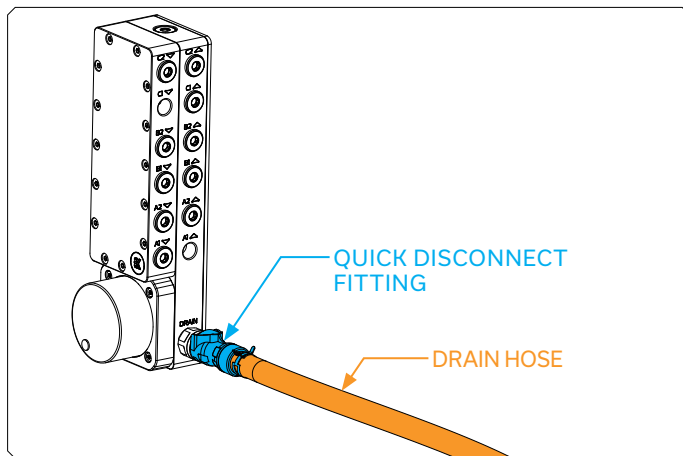
If one of the prescribed components will not be installed (ie. radiator or GPU block) then one INLET and one OUTLET port per pair must still be used for this unit to function!

If the user doesn't want to use component B1 or B2 (one of them), the combo unit still works, as it has internal parallel channels.

If the user doesn't want to use component B1 and B2 (both of them) the user has 2 options:

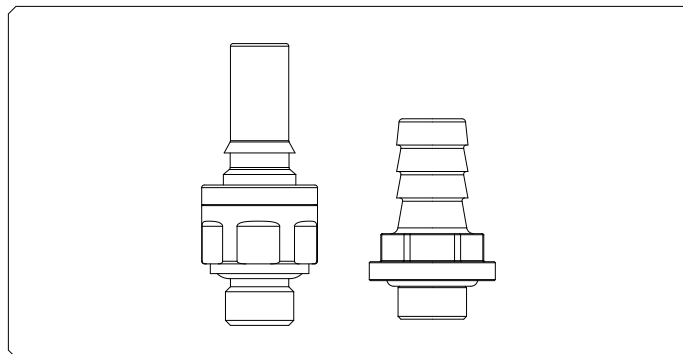
1. Attach at least one of the A-in to B-in port -> Connect the return flow of the component A to the return flow of B component. This then feeds the outlet of the C-out port.
2. Brick at least one port of B pairs port with an additional set of hose and fittings in order to keep the flow going.

DRAIN AND ACCESSORIES



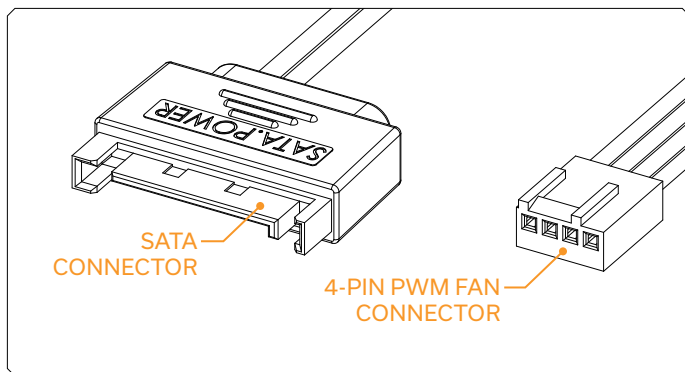
For draining purposes EK supplied 1m of drain hose with female Quick Disconnect (QD) fitting. Attach the female QD to the male QD located on the drain port of the pump reservoir combo unit. EK recommends to open fill port or any other port to allow air to enter the loop (faster draining).

The coolant can be drained into a bucket or any other bottle the user may prefer.



On the pump reservoir combo unit there are standard G1/4 thread holes that are compatible with any fittings from the EK portfolio. Hard or soft tubing can be used with this unit.

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 combo unit.

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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