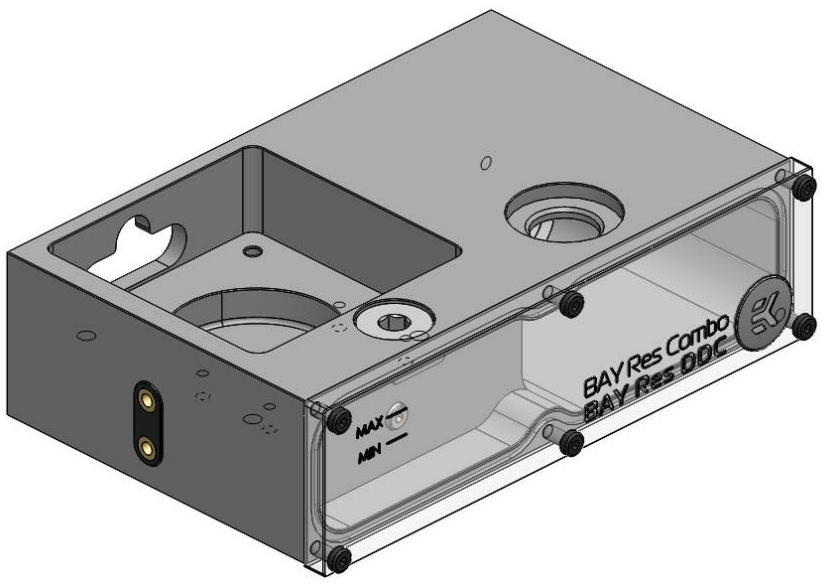
Installation and mounting manual for EK-SBAY DDC (incl. pump) Reservoir

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 web site at www.ekwb.com for updates. Before installation of this product please read important notice, disclosure and warranty conditions printed on the back of the box.

The barb hose fittings require only a small amount of force to screw them in; otherwise the high flow fittings might break. These fittings do not need to be tightened with much force because the liquid seal is made using O-rings. The use of an algaecide and corrosion inhibitors is always recommended for any liquid cooling system.

STEP 1: GENERAL INFORMATION

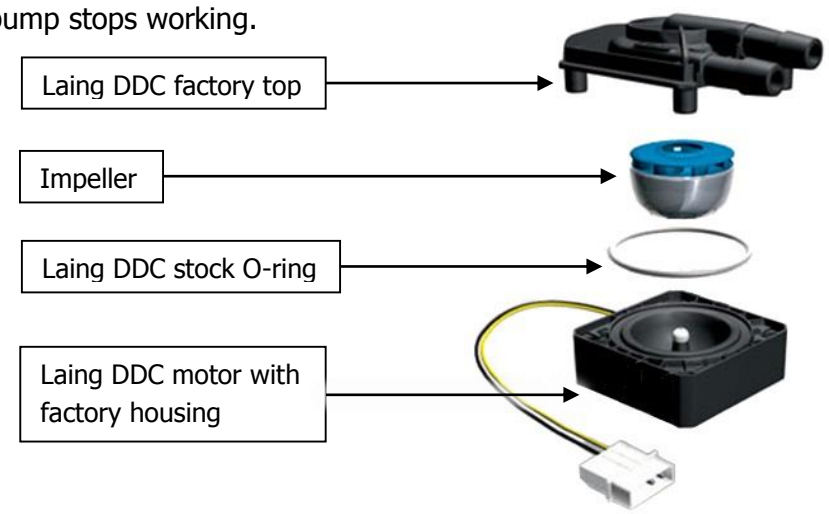
Sample picture of EK-SBAY DDC without installed pump.



STEP 2: PREPARING THE PUMP

In case the pump was removed / uninstalled.

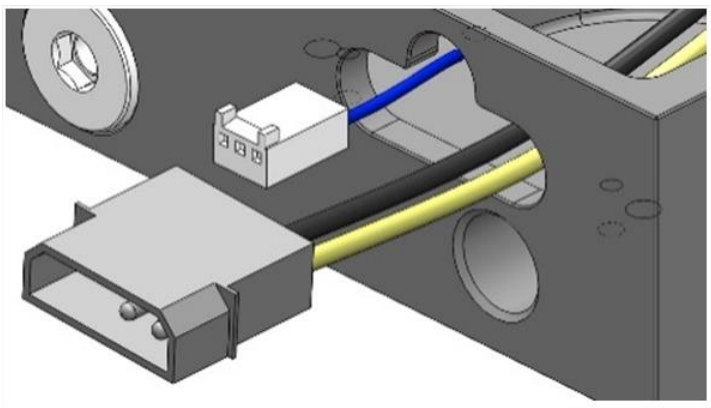
Take your Laing DDC pump. Unscrew the screws that connects stock top (usually you will need a Torx T20 head screwdriver) at the bottom and put the top away as you don't need it any more. Keep it for warranty reason if pump stops working.

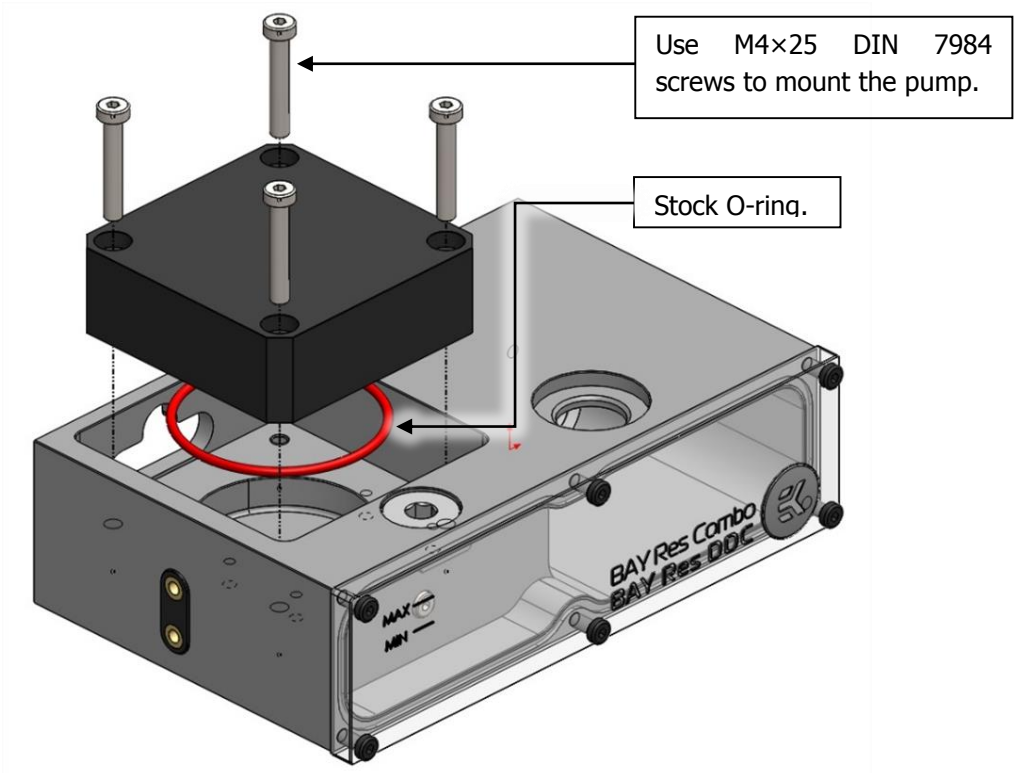


STEP 3: ASSEMBLING THE EK-SBAY DDC

In case the pump was removed / uninstalled, take the motor with impeller of your Laing DDC pump. Place it according to the picture. Do not forget to place back the stock **O-ring** into the **pumps channel.** Use enclosed Allen key to secure the pump with four (4) M4×25 screws.

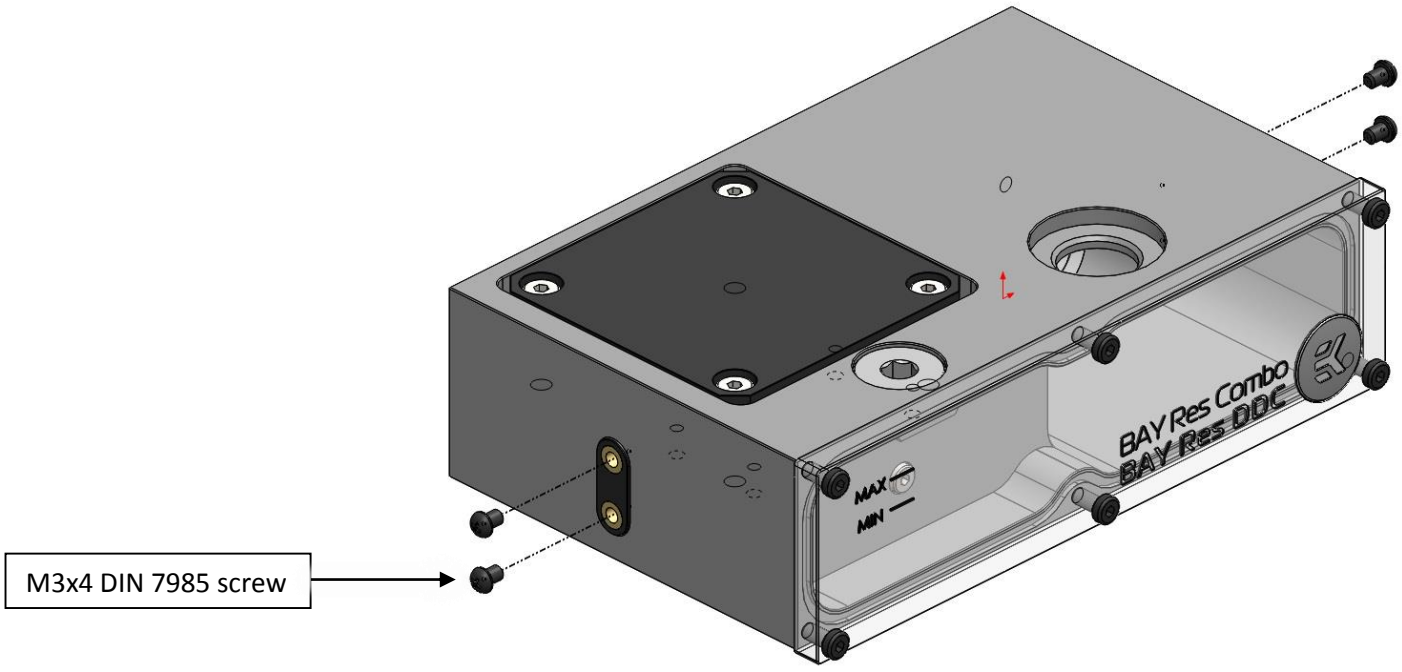
Before installing the pump to the reservoir make sure to place cables **through** specified hole like shown on figure below.





STEP 4: INSERTING THE RESERVOIR TO YOUR COMPUTER CHASSIS

This reservoir occupies one (1) 5.25" drive bay expansion slot in your computer chassis. Free one slot in case they are already occupied with other computer components such as optical or hard disk drives. Place the reservoir in your 5.25" drive bay out with the front plate facing outwards. **After completing STEP 6** in this manual, secure the reservoir to the drive bay cage using the enclosed four (4) M3x4 DIN 7985 screws with Philips head screwdriver.



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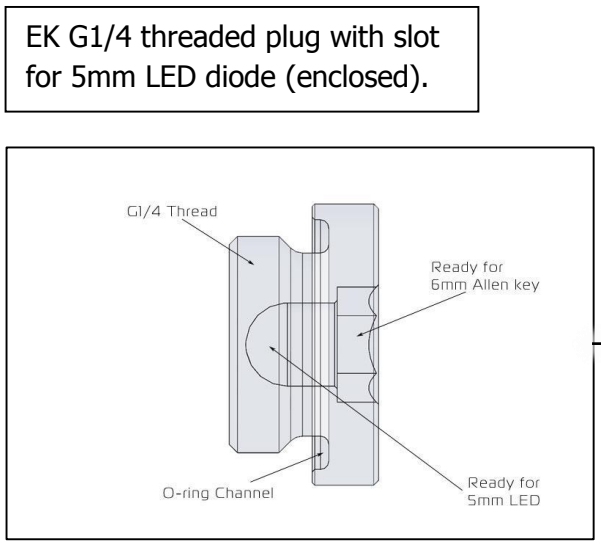
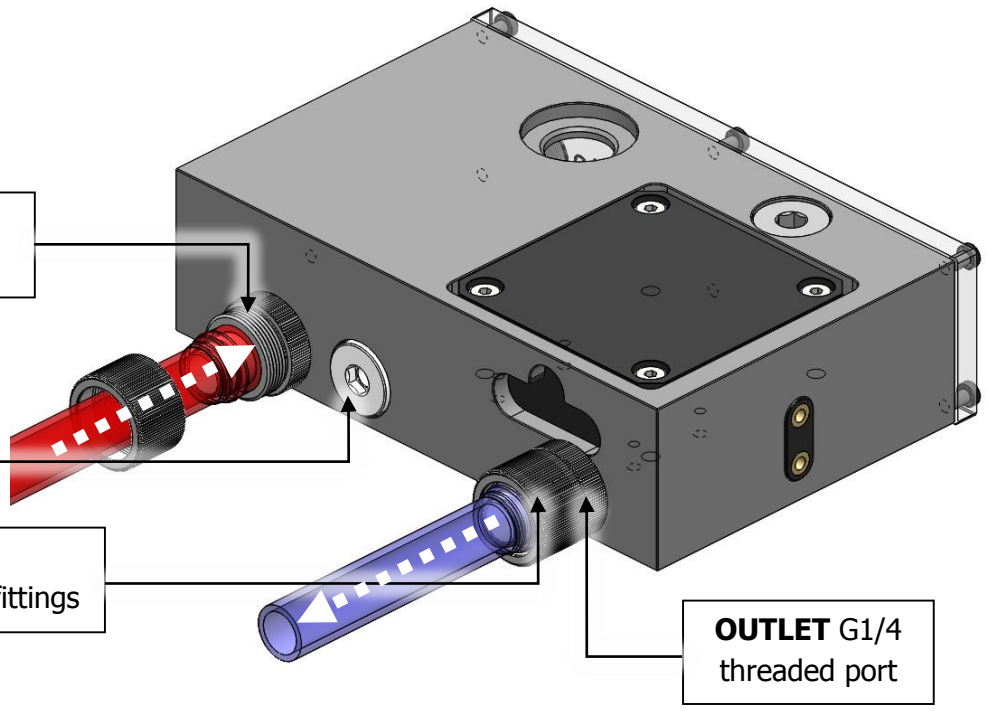
STEP 5: CONNECTING YOUR RESERVOIR

It is mandatory to use the correct INLET and OUTLET port. As an inlet and outlet port you **have to** use exactly those ports that are shown in the figure below. EK recommends using EK-CSQ compression fittings for best water cooling experience.



EK G1/4 threaded plug with slot for 5mm LED diode (enclosed).



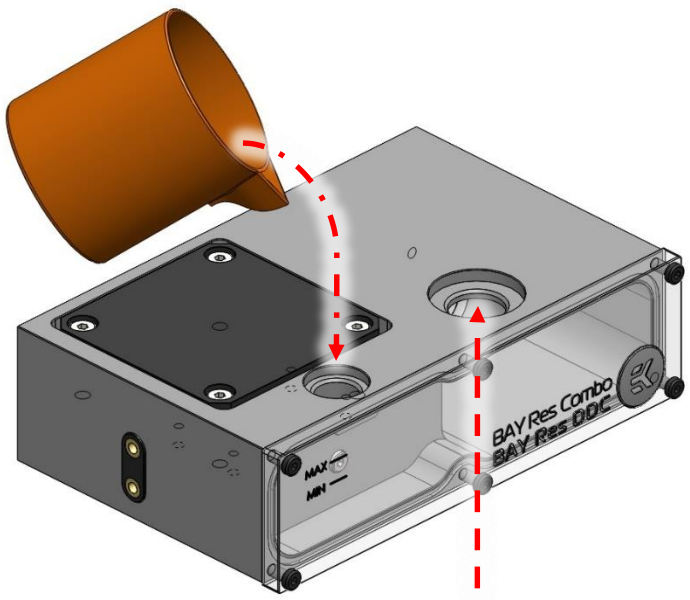
INLET G1/4 threaded port

EK-CSQ compression fittings

OUTLET G1/4 threaded port

STEP 6: FILLING THE RESERVOIR

1. It is **mandatory** to initially fill the pump through G 1/4 port like shown on figure below, with enclosed **50ml** cup of cooling liquid or any other appropriate coolant. By doing this you flood the impeller of the pump which enables pump to pumps liquid through your cooling system. **If this step is not done correctly your pump will not be able to pump liquid through your system. You will need to repeat this step in order to complete this installation properly.**
2. Close the port with enclosed G1/4 plug.

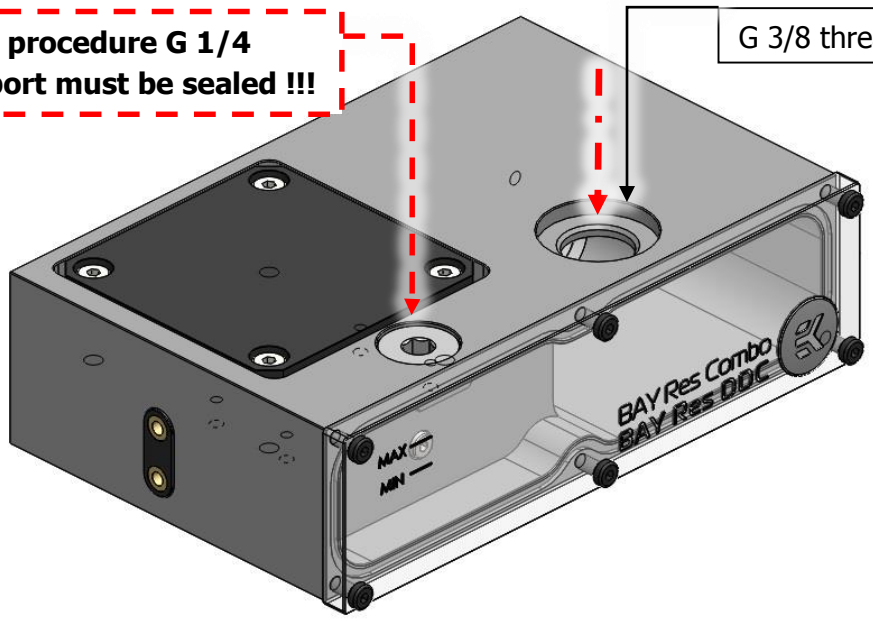


During this procedure G 3/8 threaded fill port must be opened.

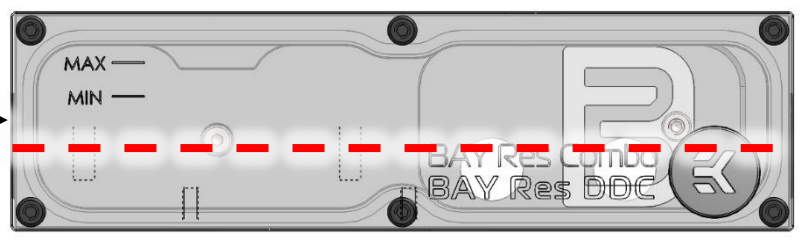
3. Fill the reservoir fully through G3/8 threaded fill port (marked with arrow) and make sure liquid is not spilled over your computer or any electrical devices nearby. **Run your pump shortly , and when the water level reaches dashed line (see figure below) stop the pump. Fill the reservoir fully through G3/8 threaded fill port and run the pump shortly. Repeat this procedure until your system is fully filled**. Lowest and highest recommendable operating water levels are indicated on the reservoir's front panel (*MIN*, *MAX*). Once done with the filling process please close your EK-SBAY DDC reservoir with G3/8 plug and tighten is using enclosed Allen key. Do not use excessive force.
4. Secure the bay reservoir with M3x4 DIN 7985 screws mentioned in **STEP 4**.

!!! During this procedure G 1/4 threaded fill port must be sealed !!!

G 3/8 threaded fill port



During filling your tubes and other water cooling components water level must not fall under dashed line as shown on figure.



STEP 7: OTHER INSTRUCTIONS

VERY IMPORTANT NOTICE: Once the installation is completed, it is a recommended practice to test the cooling circuit for leaks prior to powering up the computer. We recommend a 24 hour leak test prior to powering up the computer. Do not test the water block using tap water pressure. This will rupture the top of the housing and render the block unusable (and will void your warranty).While all efforts have been made to provide the most comprehensive tutorial possible, EK Water Blocks assumes no liability expressed or implied for any consequential damage(s) occurring to your equipment as a result of using EK Water Blocks cooling products, either due to errors or omissions on our part in the above instructions, or due to failure or defect in the EK Water Blocks cooling products.

WARRANTY: Our products are warranted against defects in materials or workmanship for a period of 24 months beginning from the date of delivery to the final user. During this period, products will be repaired or have parts replaced at our discretion provided that: (I) the product is returned to the agent from whom it was purchased; (II) the product has been purchased by an end user and has not used for commercial purposes; (III) the product has not been misused, handled carelessly, or used in a manner other than in accordance with the instructions provided describing its installation and proper use. This warranty does not confer rights other than those expressly set out above and does not cover any claims for consequential loss or damage. This warranty is offered as an extra benefit and does not affect your statutory rights as a consumer. This warranty is voided if the product comes in contact with aggressive UV additives or other improper liquids.

REQUIRED TOOLS:

Philips and Torx T20 head screwdriver

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