

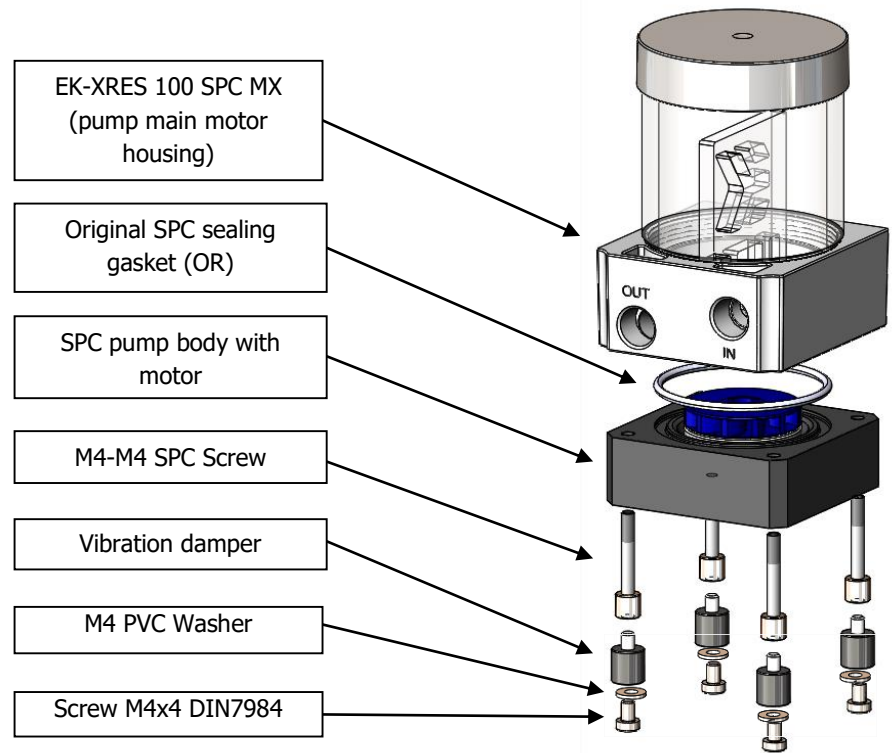
This product is intended for installation only by expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your equipment. EK Water Blocks assumes no liability whatsoever, expressed or implied, for the use of these products, nor their installation. 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.

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

1. **Please carefully read the manual before beginning with the installation process!**
2. **The EK-HFB and EK-ACF type 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.**
3. **The use of corrosion inhibiting coolants is always recommended for any liquid cooling system. EKWB recommends any of the EK-Ekoolants for worry-free usage.**

STEP 1: ASSEMBLING EK-XRES SPC Series pump-reservoir combo unit (already done by EK)

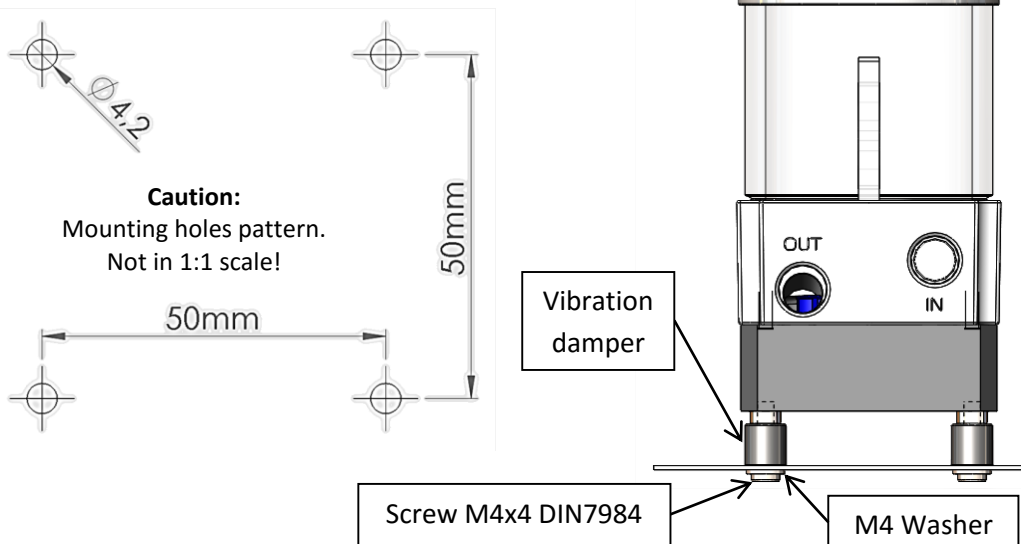
1. Install the EK-SPC Series pump on to the pump main motor housing. **Make sure you re-use the original O-ring gasket!** Reseat the gasket if needed.
You can rotate the XRES SPC in and use it in any direction (90° step turns).
2. Secure the XRES SPC using enclosed custom M4-M4 SPC Screw using enclosed 2mm Allen key. Do not over tighten the screws as excessive force may strip the threading or Allen key seat.



STEP 2: INSTALLING THE ASSEMBLY

The assembly can be mounted on any flat surface inside your computer chassis. One must drill four (4) 4.2mm holes using powerdrill in a 50x50mm square pattern. Please follow these steps:

1. Screw on Vibration Dampers on Custom SPC Screws
2. Drill four (4) 4.2mm holes into the chassis
3. Use enclosed M4x4mm screws to secure the pump to the chassis.



STEP 3: Using Anticyclone or PE Foam

EK-XRES SPC series pump top / reservoir comes preinstalled with EK-XRES SPC Anticyclone by default. In case your system suffers from excessive vortex issues, air bleeding problems or if the pump is sucking in air you may replace the anticyclone with the enclosed polyether foam. There are two ways to use the polyether anti-vortex foam:

Default configuration	PE foam – use whole	PE foam – trim to fit recess
This is the default configuration of EK-XRES SPC Series reservoir.	Use the foam as a whole to replace EK-XRES SPC – Anticyclone.	Trim the foam to size to fit into the desired inlet recess on the EK-XRES SPC series main body.

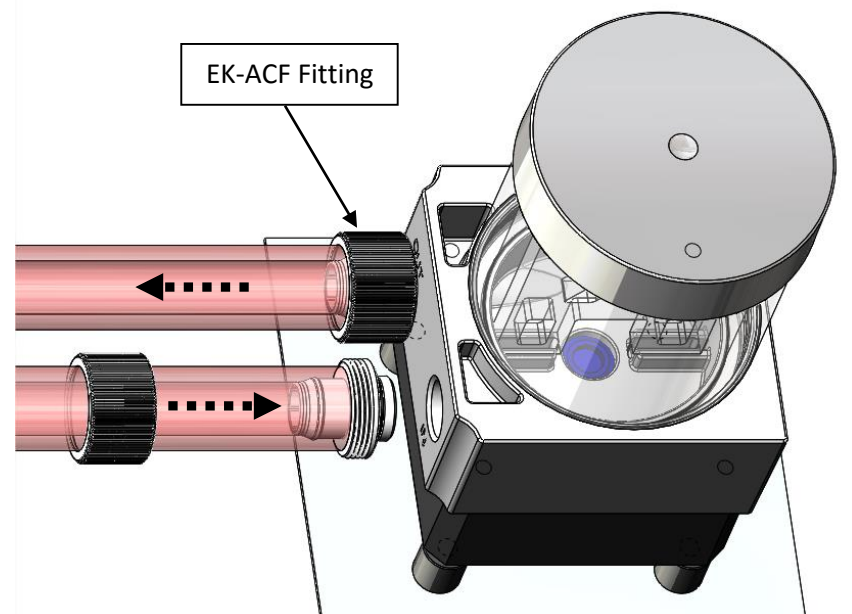
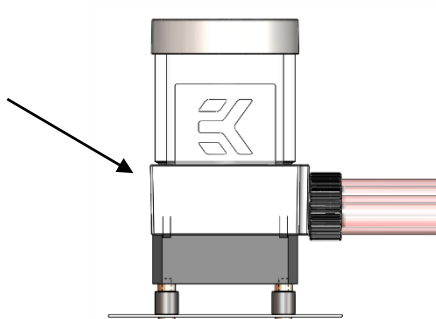
STEP 4: ATTACHING THE FITTINGS

EK-XRES 100 SPC MX series reservoir pump combo featured 2 (two) G1/4 threaded opening on the main body of which are inlet and outlet (clearly marked with 'OUT'). EKWB recommends using EK-ACF fittings with the EK-XRES SPC series reservoir pump combo units. If you use barbed fittings, please use hose clamps or an appropriate substitute to secure tubing.

It is mandatory to use the correct INLET and OUTLET ports:

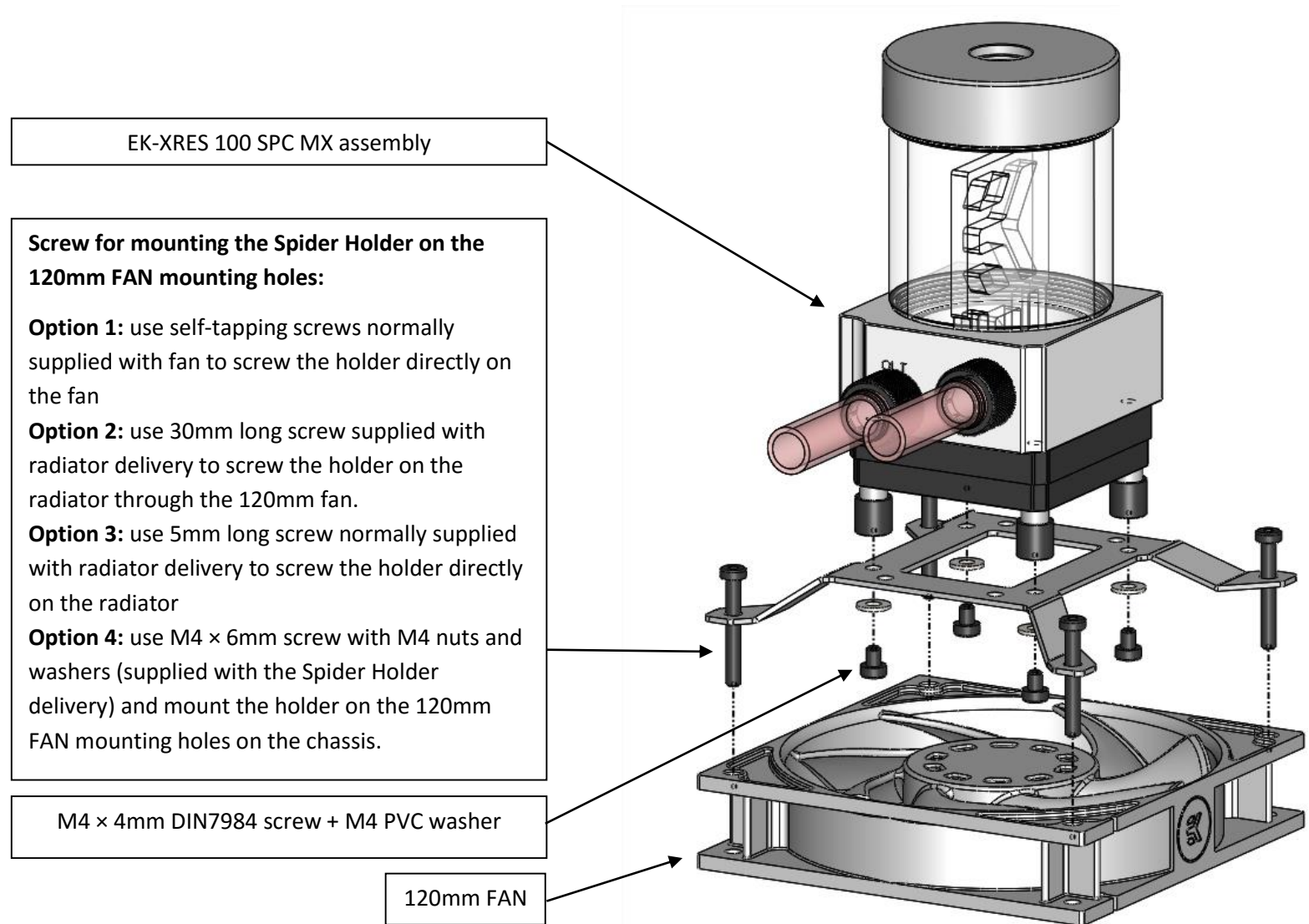
1. The OUTLET port (pressure port) is clearly marked with label 'OUT' engraved on the pump top housing.
2. The INLET port(s) (suction port) is clearly marked with 'IN' on the EK-XRES SPC front face plane.
3. Make sure not to use fittings or barbs with G1/4 thread longer than 6 mm! All EK-ACF and EK-HFB fittings are compatible! We advise appropriate allen key for proper installation.

This water pump & EK-XRES SPC reservoir combo can be used in vertical mounting configuration (position) only! Mounting the pump upside down may result in pump running dry and eventually lead to premature failure of the pump!



STEP 3a (optional): INSTALLING THE ASSEMBLY USING CUSTOM HOLDER (EK-UNI Pump Bracket (120mm FAN))

If you have an option to mount the assembly on 120mm fan or 120mm FAN mounting holes, EKWB recommends simple and elegant solution - *EK-UNI Pump Bracket (120mm FAN)*.



REQUIRED TOOLS: Allen key 2,5mm (enclosed)