ekwb

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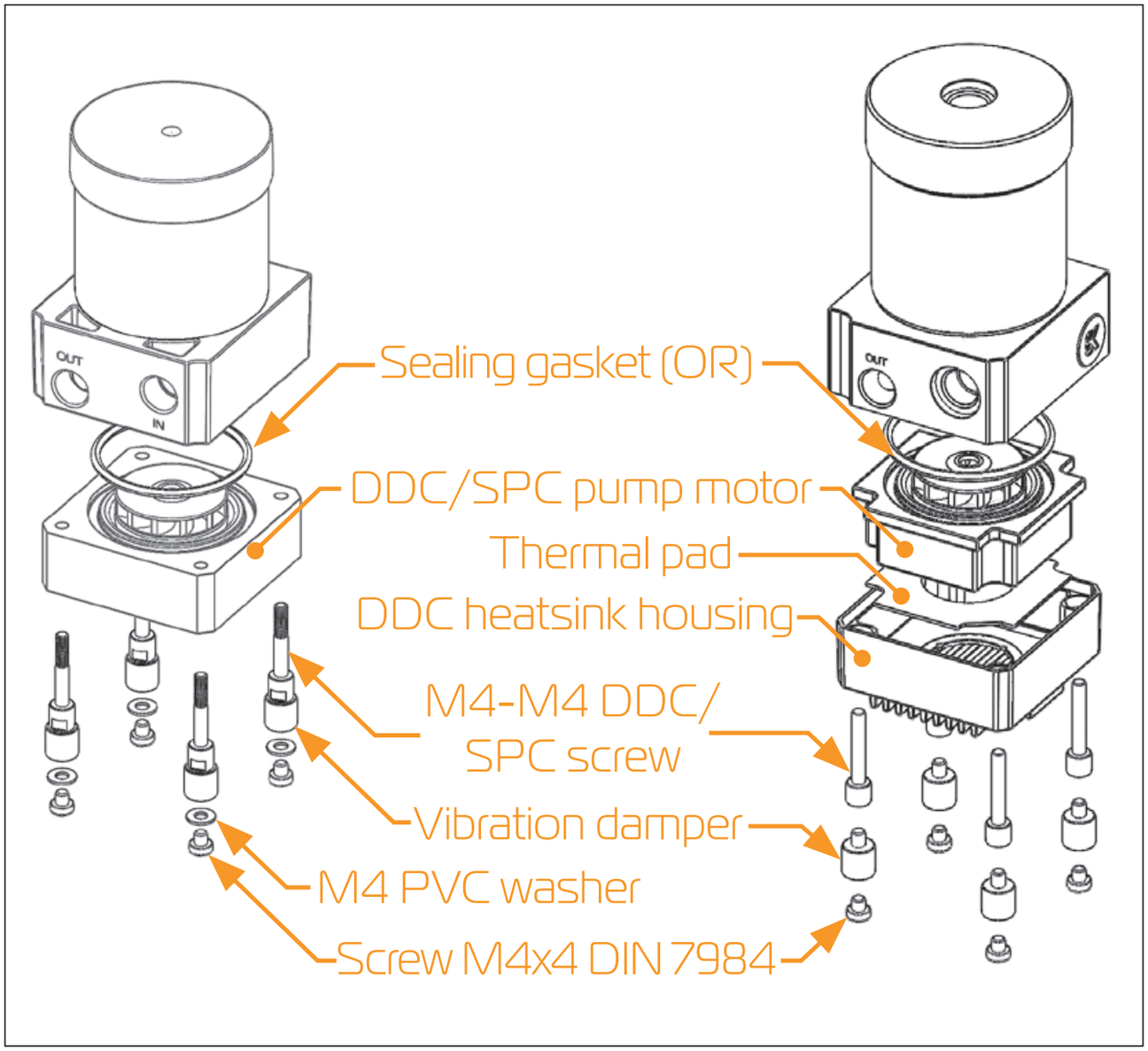
EK-XRES SPC/DDC

USER GUIDE

INSTALLING EK-XRES DDC/SPC Series (already done by EK)



STEP 1

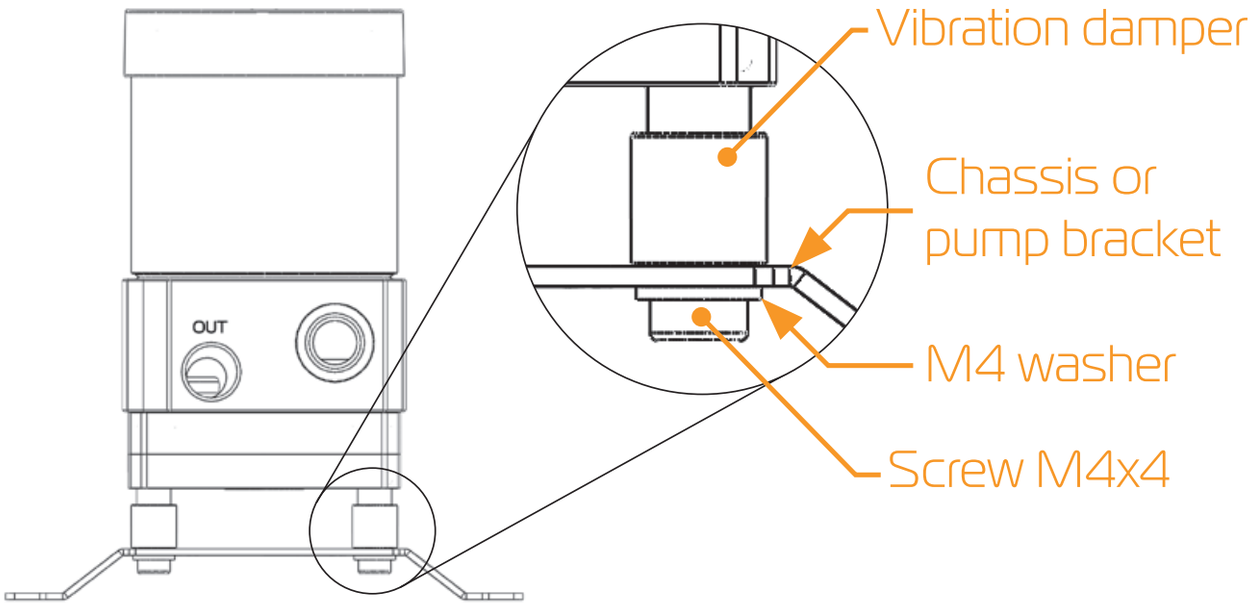
Install the EK-SPC/DDC Series pump on to the pump main motor housing. Make sure you re-use the original O-ring gasket! Reseat the gasket if needed.

You can rotate the SPC/DDC X-RES in and use it in any direction (90° step turns).

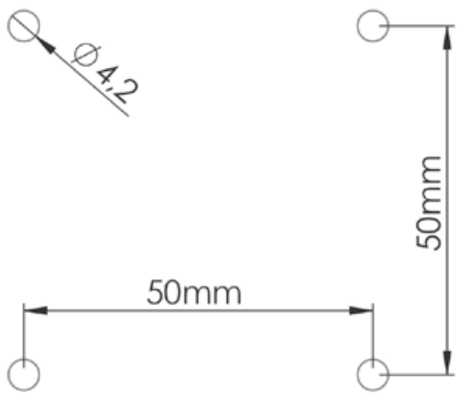
STEP 2

Secure the XRES SPC/DDC using enclosed custom M4-M4 SPC/DDC Screw using enclosed 2mm allen key. Do not over tighten the screws as excessive force may strip the threading or allen key seat.

INSTALLING THE ASSEMBLY



Caution:
Mounting holes pattern.
Not in 1:1 scale!



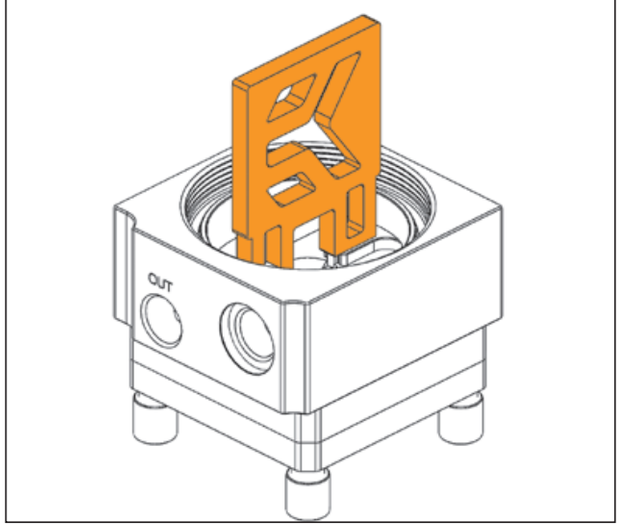
The assembly can be mounted on any flat surface inside your computer chassis. One must drill four (4) 4.2mm holes using powerdrill in a 50x50mm square pattern. Please follow these steps:

1. Screw on Vibration Dampers on Custom SPC/DDC Screws
2. Drill four (4) 4.2mm holes into the chassis
3. Use enclosed M4×4mm screws to secure the pump to the chassis.

USING ANTICYCLONE OR PE FOAM

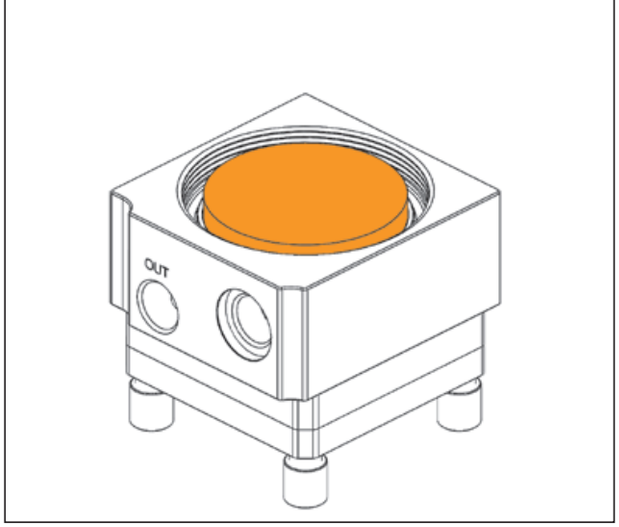
EK-XRES SPC/DDC series pump top / reservoir comes pre-installed with EK-XRES SPC/DDC Anticyclone by default. In case your system suffers from excessive vortex issues, air bleeding problems or if the pump is sucking in air you may replace the anticyclone with the enclosed polyether foam. There are two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

Default configuration



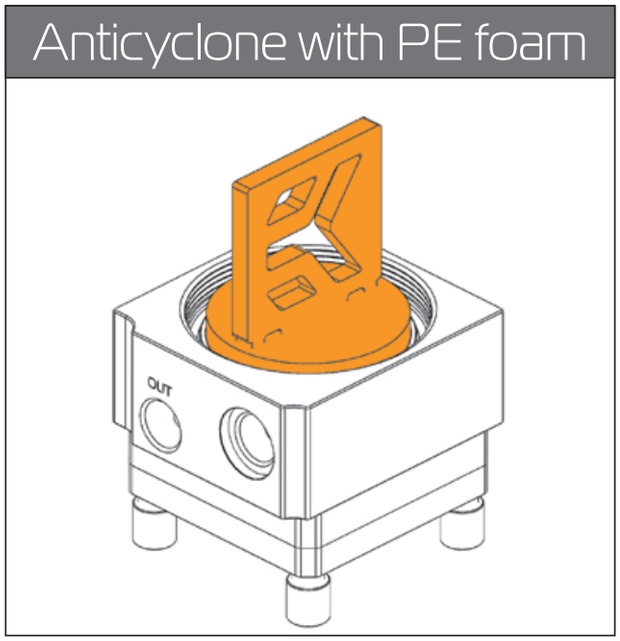
This is the default configuration of EK-XRES SPC/DDC Series reservoir.

PE foam



Use the foam as a whole to replace EK-XRES SPC/DDC – Anticyclone.

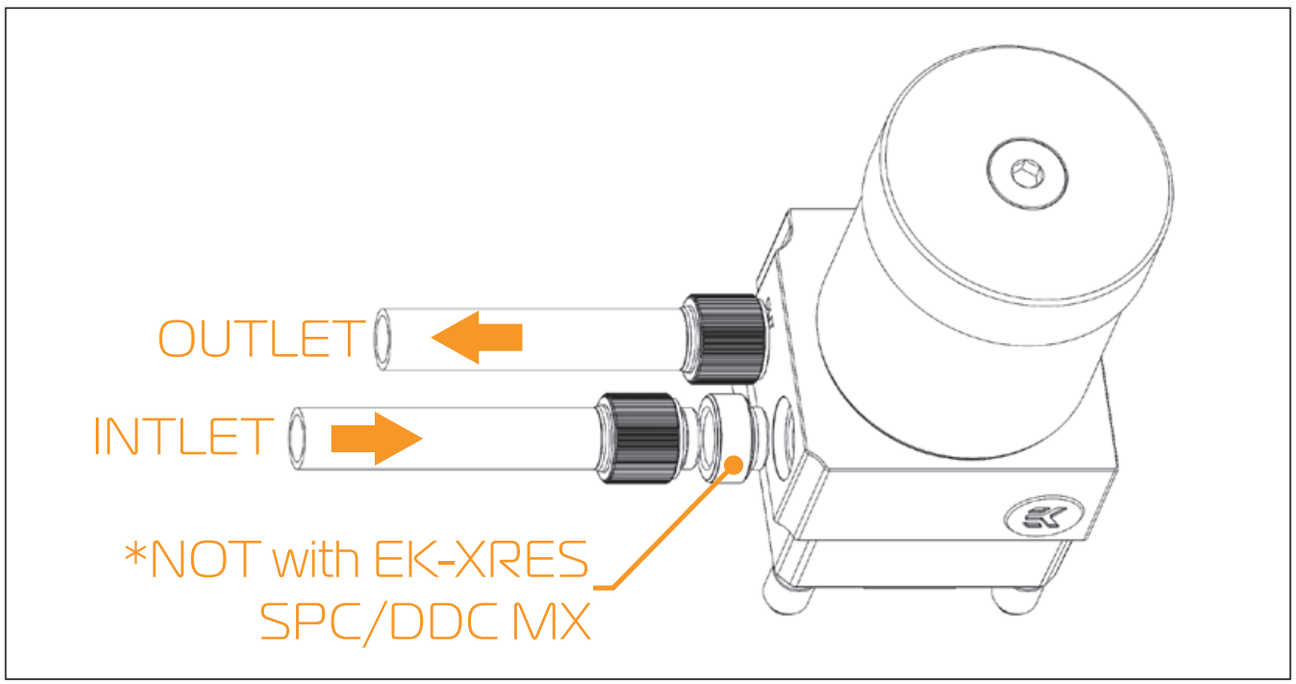
Anticyclone with PE foam



Use whole foam or to size to fit into the desired inlet recess on the EK-XRES SPC/DDC series main body.

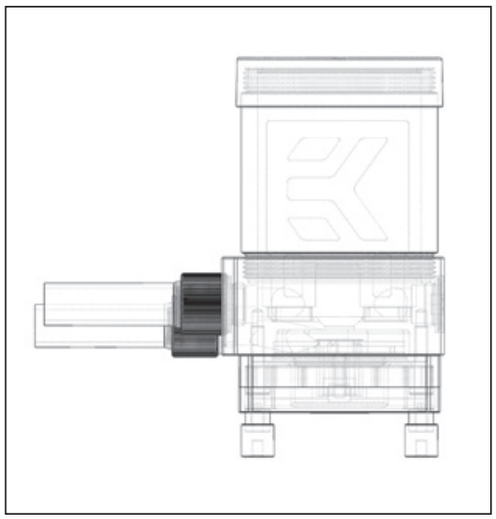
ATTACHING THE FITTINGS

EK-XRES SPC/DDC 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/DDC 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:

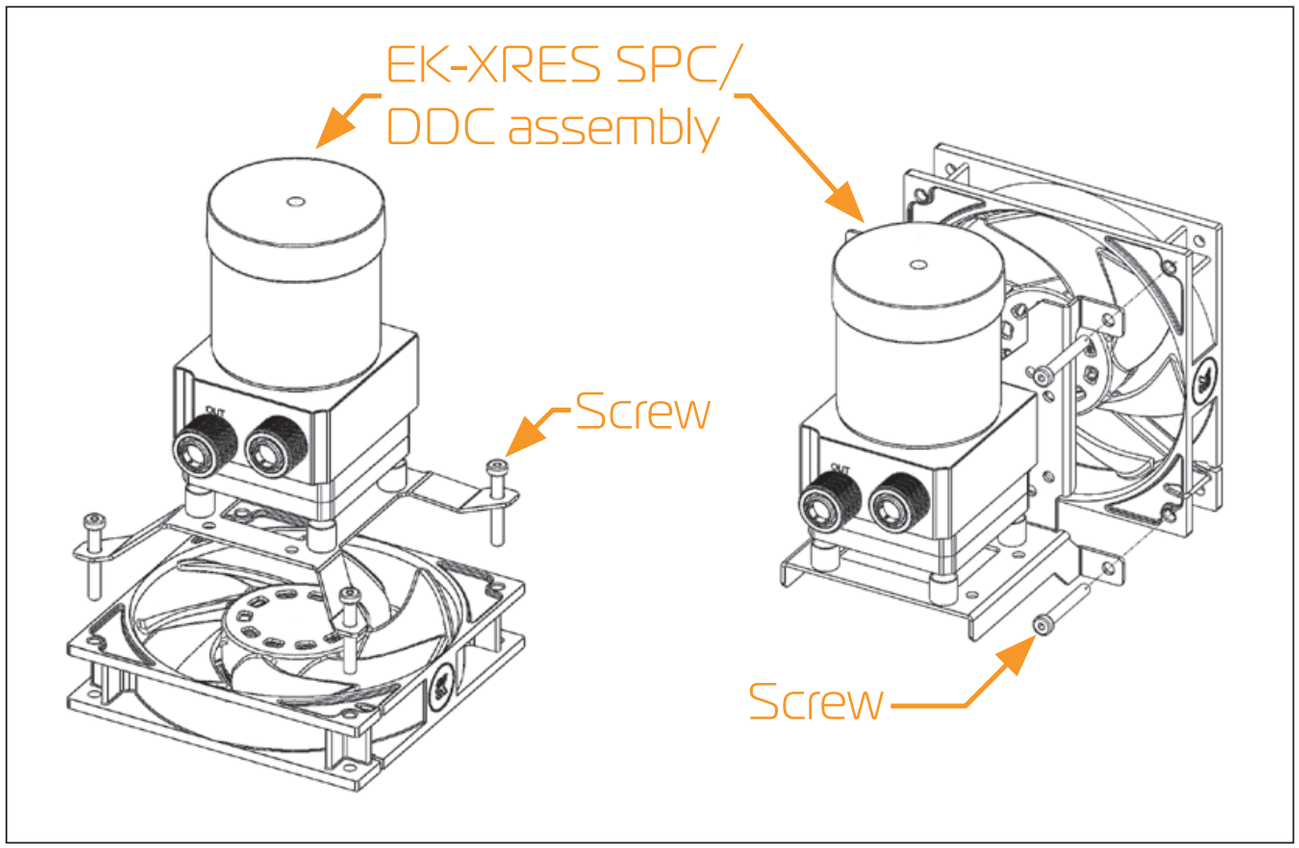
1. The OUTLET port (pressure port) is clearly marked with label 'OUT' engraved on the pump top housing.
2. The INLET port(s) (suction port) is clearly marked with 'IN' on the EK-XRES SPC/DDC front face plane.
3. Make sure not to use fittings or barbs with G1/4 thread longer than 6 mm! All EK-ACF and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



This water pump & EK-XRES SPC/DDC 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!

INSTALLING THE ASSEMBLY USING EK-UNI PUMP BRACKET (optional)

If you have an option to mount the assembly on 120/140mm fan or 120/140mm fan mounting holes, EKWB recommends simple and elegant solution - EK-UNI PUMP BRACKET.



Screw for mounting the EK-UNI PUMP BRACKET on the 120/140mm FAN mounting holes:

Option 1:
use self-tapping screws normally supplied with fan to screw the holder directly on the fan

Option 2:
use 30mm long screw supplied with radiator delivery to screw the holder on the radiator through the 120/140mm fan.

Option 3:
use 5mm long screw normally supplied with radiator delivery to screw the holder directly on the radiator

Option 4:
use M4 × 6mm screw with M4 nuts and washers (supplied with the EK-UNI PUMP BRACKET) and mount the holder on the 120/140mm FAN mounting holes on the chassis.