



ALPHACOO – THE COOLING COMPANY



Alphacool ES Reservoir IU

What is it?

The Alphacool ES Reservoir IU is a combination of expansion tank and pump top that was developed directly for use in IU server racks. It can be mounted directly on radiators or separately. With 6x IN and one OUT, the expansion tank also offers extensive options for tubing.

Highlights

- part of the Enterprise Solutions Series
- extreme small form factor
- reservoir integrated
- pump is fully enclosed

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We assume no responsibility for any typing errors.

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Scope of delivery

1pc reservoir
1pc velcro mat
5pc screw plug
1pc double nipple
4pc 3x6
4pc M4x35
1pc screw plug tool

Technical data	
B x T x H	67,9 x 100,2 x 40 mm
Net weight	73 g
Max working temperature	60 °C
Threads	7 x G1/4"
Pressure tested	0,8 Bar
For Serracks	1U, 2U, 3U, 4U
Certificates	CE, FC, ROHS

Product pics download	http://alphacool.com/download/1017717_Alphacool_ES_Reservoir_IU_DDC.zip
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Manual PDF	http://www.alphacool.com/download/DDC-reservoir_IU_manual.pdf
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Other data	
Article number Alphacool	15377
EAN Code	4250197153775
PU Box	1
Dimensions PU B x T x H	16,3 x 21,5 x 5,5 cm
Weight	247 g
Customs code	84733080000

Article text

The Alphacool ES reservoir for DDC pumps is specially designed for IU server racks. The reservoir is extremely compact and integrated pump top for the DDC pump allows for extremely high pump performance. The large reservoir is more than sufficient for a liquid cooling loop in a IU server rack.

How Can I Connect the Reservoir?

The reservoir offers a total of seven G1/4" connections, 1x OUT and 6x IN. The connection possibilities are distributed on all sides. One IN is located on each side. Additionally, there are two IN on the top side which are mainly used for filling. One IN can be used directly for filling, while the second IN is used to allow air to escape more easily during the process. Due to the many connection possibilities, various mounting options are possible.

What Mounting Options Does the Expansion Tank Offer?

On the bottom and on the sides, there are mounting holes that allow you to mount in the standard 2.5" hard disk space. As with a 2.5" SSD, the reservoir can be screwed to the bottom or the sides. If there is no corresponding mounting space available, a Velcro pad is also included. Both parts of the Velcro tape have an adhesive surface allowing you to attach one part to the case and one part to the reservoir and then simply sticking them together. The assembly is finished and it is also easily removed if needed.

Direct Radiator Mounting Is Possible!

The scope of delivery includes a double nipple fitting with which allows the reservoir to be screwed directly to a radiator of the Alphacool NexXoS series. For IU housings Alphacool offers special 40 mm radiators from the NexXoS X-Flow series. With these radiators, the reservoir can be mounted via the double nipple on the side or in front of the radiator. This saves a lot of space instead of connecting the reservoir with a longer hose.

Installation of the Pump

The installation of the DDC pump is very easy. The O-ring is put on and then the pump is placed into the pump top and fixed with four screws. Please note that a DDC version with the original Laing pump housing is installed. Other pump housings may be larger and may not fit the reservoir.

The Alphacool ES Reservoir IU - DDC version is an extremely compact expansion tank especially for IU server racks with extensive connection and mounting options.