

Alphacool ES Reservoir 2U DDC 3xG1/4 (UL94/Silicone O-Ring)

Alphacool article number: 14670

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Quick Info

The Alphacool ES 2U Reservoir is a development for the Enterprise Solution series. It has an integrated pump top for the powerful DDC pump and offers many connection and mounting options. The combination of all these features provides a perfect solution for 2U server racks and workstations.

- Part of the Enterprise Solutions Series
- Optimized for 2U server racks
- Integrated pump top for DDC pumps
- 3x G1/4" connections for minimized leakage risk

Scope of delivery

1x 2U Reservoir	1x Bracket tube
4x M4x20 Screw	1x Bracket straight
1x double nipple	1x Tape
10x M3x3 Screw	2x G 1/4 Plug
2x Bracket angled	1x Plug tool
2x 3.5x9.5 Screw	1x Pump O-Ring

Technical Data

Material	Nylon
W x D x H	62 x 80 x 60 mm
Preinstalled pump	No
Connections	3 x G 1/4 (+ 1x Fill Port)
Pump compatibility	For DDC
Model of reservoir	1x 3.5" Bayres
Pressure tested	4.0 bar
Maximum working temperature	60 °C
Net weight	93 g
Color	black

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Manual	14670_Alphacool_ES_Reservoir_2U_DDC_3xG1-4_(UL94-Silicone_O-Ring)_Manual.pdf
Product pictures	14670_Alphacool_ES_Reservoir_2U_DDC_3xG1-4_(UL94-Silicone_O-Ring)_pics.zip
EU-DoC / CE / RoHS	Alphacool_EuDoc_CE_RoHS_14670.pdf

Packaging dimensions per unit

L x W x H	160 x 210 x 100 mm
Weight	517 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197146708
Customs code	84733080000

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Flexible connection options

The ES 2U Reservoir has a total of three G1/4" connections, including two inlets and one outlet. An additional fill port allows the reservoir to be conveniently filled with coolant. Thanks to the connection possibilities there are various options to position the expansion tank in a server rack.

Mounting Options Directly on the Radiator

Ideally, the ES 2U expansion tank is mounted directly on the radiator. For this purpose, three mounting brackets and a double nipple fitting are included in the package. The double nipple is used as a direct connection with an Alphacool NexXoS radiator of the X-Flow series. The reservoir is then attached directly to the radiator using the enclosed mounting brackets. The Alphacool NexXoS X-Flow radiators naturally have suitable mounting holes for this. This type of mounting makes it possible to position the radiator and reservoir either next to each other or offset in front of the radiator. The corresponding options are listed in detail in the instructions.

Further Mounting Options and Pump Installation

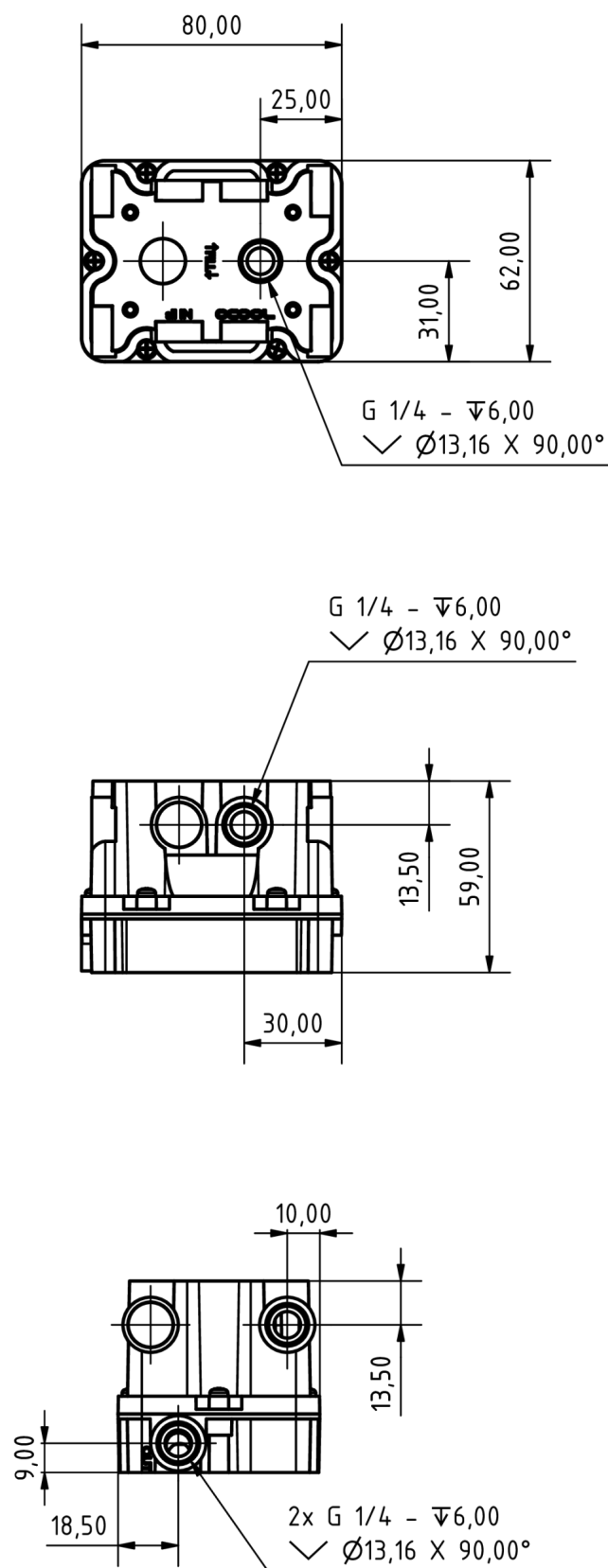
If the ES 2U reservoir is not to be mounted directly on the radiator, it can of course be fastened to a suitable part of the case using the adhesive tape provided. The adhesive tape is applied to the designated mounting surface of the reservoir, which is then secured in the desired position inside the server rack. To install the pump into the pump top only 4 screws and a pump O-ring are needed. The included pump O-ring is placed on the reservoir, the pump is put on and fixed with four screws. The entire Alphacool ES Reservoir 2U is then ready for use.

Flammability Classification

The Alphacool ES Reservoir 2U DDC 3xG1/4 is made of nylon and has a UL 94 HB flammability rating. This classification describes the material's burning behavior in the horizontal burning test and is particularly relevant for use in professional server and industrial environments.

The Alphacool ES 2U Reservoir - DDC version is an extremely compact reservoir especially for 2U server racks with flexible connection and mounting options. connection and mounting options.

Figure



General tolerance: ± 0,25mm
Dimension in millimeter