

Alphacool Core DDCzero Pumptop with Pump

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Quick Info

The Alphacool Core DDCzero Pump Top combines an exceptionally compact design with the powerful Alphacool DDCzero PWM pump. Thanks to its small dimensions, the pump-top combination is ideal for small-form-factor systems and other water-cooling systems with severely limited installation space.

- Compact acetal pump top
- Includes Core DDCzero pump
- 2 dedicated G1/4" connection threads and 1 fill port

Scope of delivery

- 1x Alphacool Core DDCzero Pumptop
- 1x Alphacool Core DDCzero 3300-4800rpm PWM Pump
- 1x Alphacool Core universal bracket set for DDCzero reservoir
- 1x G1/4 Plug

Technical data

Dimensions (L x W x H) (in mm)	60,49 x 58,29 x 53,20
Material base	Acetal
Material top	Acetal
Number of connections	3x
Material connection thread	Acetal
Threads	G 1/4
Maximum torque G1/4 thread (in Nm)	1,00
Maximum torque M3 thread (in Nm)	0,48
Maximum operating temperature (in °C)	60
Minimum operating temperature (in °C)	-20
Recommended working temperature (in °C)	20
Maximum tested pressure (in bar)	2,00
Recommended working pressure (in bar)	0,0 - 1,0
Maximum filling volume (in ml)	9

Technical data pump

Dimensions (D x H)	46,00 x 24,20mm
Material pump housing	Plastic
Material pump cover	Plastic
Material axle	Ceramic
Connections	4-Pin PWM
Power	6,2W
Rotational speed	3000 - 4800 RPM
Cable lengths	4-Pin PWM - 48cm
Operating voltage	8-13V DC / 14W IP32
Starting voltage	12V DC
Maximum pumping head	1,4m
Maximum flow rate	220L/h
Maximum working temperature	60°C
Weight	50g
Color	Black

Download links

Manual	14566_Alphacool_Core_DDCzero_Pumptop_with_Pump_Manual.pdf
Product pictures	14566_Alphacool_Core_DDCzero_Pumptop_with_Pump_pics.zip
EU-DoC / CE / RoHS	Alphacool_EuDoc_CE_RoHS_14566.pdf

Packaging dimensions per unit

L x W x H	265 x 140 x 70 mm
Weight	800 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197145664
Customs code	84139100900
Guarantee	3 years

Article text

The Alphacool Core DDCzero Pump Top combines an exceptionally compact design with the powerful Alphacool DDCzero PWM pump. Thanks to its small dimensions, the pump-top combination is ideal for small-form-factor systems and other water-cooling systems with severely limited installation space.

The base and top are made entirely of durable acetal. The G1/4" connection threads are also integrated directly into the robust material, ensuring a stable and reliable connection for the installed fittings.

Three G1/4" ports enable flexible integration into the cooling loop. This allows the compact unit to be adapted to different tubing layouts and system configurations.

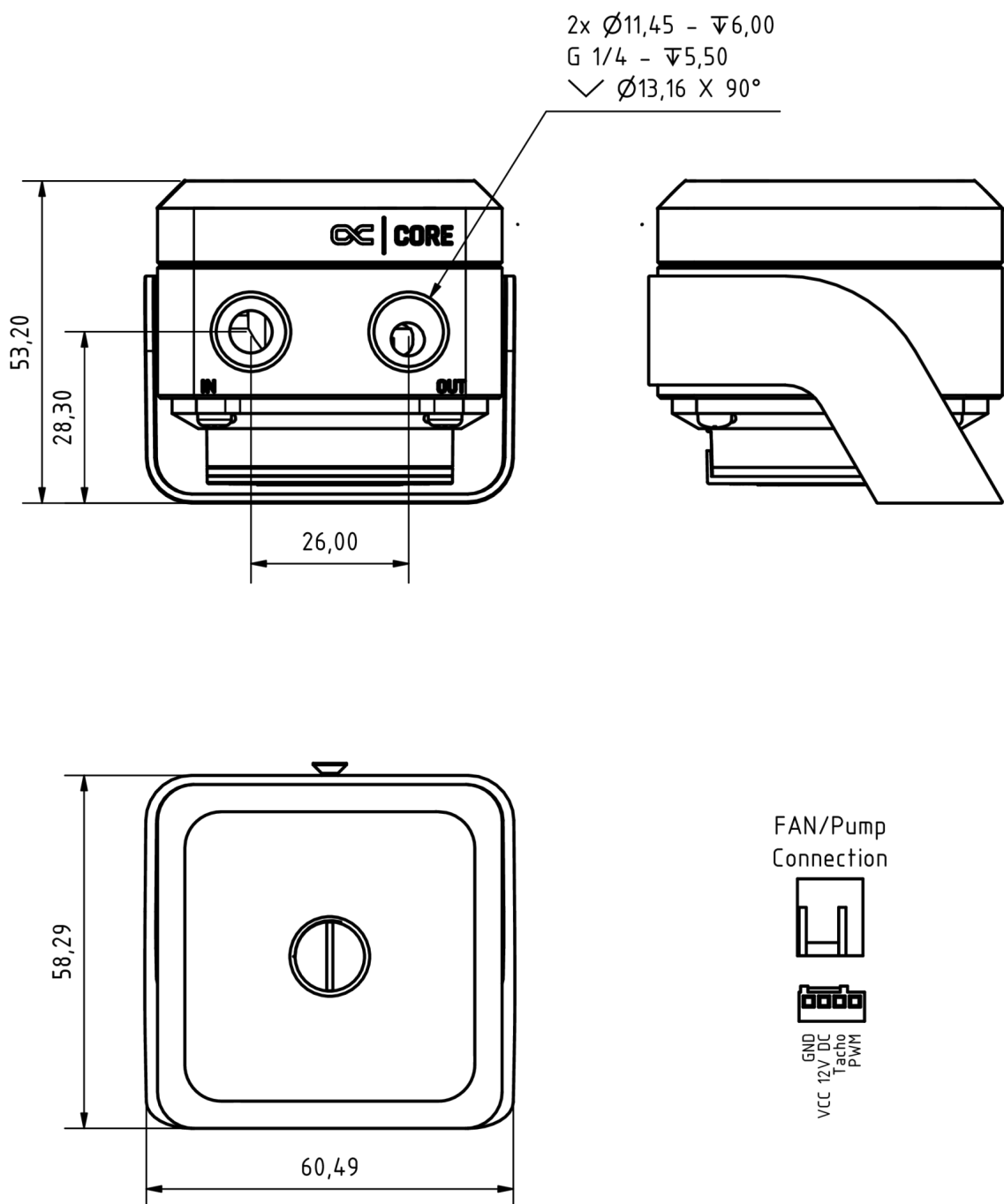
The Core DDCzero Pump Top combines the pump and top in one space-saving unit, making it suitable for small cases as well as densely populated PC, server and industrial systems.

The enclosed, linear design integrates seamlessly into the design language of the Alphacool Core series.

The integrated Alphacool DDCzero PWM pump is a compact and powerful circulation pump for PC water-cooling systems, datacenter systems and industrial applications. A robust ceramic shaft, combined with the durable plastic housing, ensures reliable and long-lasting operation. The pump offers high delivery performance and ensures a reliable coolant flow. Its speed can be flexibly adjusted across a wide control range to meet the specific requirements of the system. The Alphacool DDCzero PWM pump is connected to the motherboard or a suitable controller via a 4-pin fan connector. This connector supplies power to the pump, enables PWM control and transmits the speed signal. PWM control allows the pump performance to be adjusted specifically to the current system load. This enables a balanced operation between high cooling performance and the lowest possible noise level.

The Alphacool Core Universal Mounting Kit is included in the scope of delivery. It enables easy installation and securely holds the Core DDCzero Pump Top on radiators or fan mounting positions in the **120 mm format**. Using the Alphacool Core Universal Mounting Kit, the pump top can be installed in two different orientations: straight or rotated by 90°.

Figure



General tolerance: $\pm 0,25\text{mm}$
Dimension in millimeter