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Alphacool Eisbecher Aurora D5 Acetal/Glas - 150mm incl. Alphacool VPP Apex D5

Alphacool article number: 13327

Quick Info

The Alphacool Eisbecher Aurora reservoir has an integrated pump top for powerful D5 pumps and comes with a VPP Apex pump. The tube of the reservoir is made of glass, the D5/VPP pump top and the lid of acetal. The combination of these two materials gives the expansion tank a magnificent appearance. The wow effect is provided by 12 digitally addressable RGB LEDs in the pump top and the Lighttower water effect inside the glass tube.

- Tube from real glass
- Brilliant digital aRGB illumination
- Powerful, via PWM controllable D5 pump

Scope of delivery

1x Alphacool Eisbecher Aurora D5 Acetal/Glas - 150mm, black
1x VPP Apex pump, black
4x M3x5 screws
12x M4x8 screws
4x M4x12 screws
4x M4 nuts
2x 120mm Fan bracket
2x 120 - 140mm Fan bracket
2x Stand bracket
3x Screw plug
1x Allen key
1x Plug tool
1x Digital-RGB adapter
1x O-Ring 53x3,5 pump
1x pump mounting

Technical data

L x W x H	142 x 77 x 77mm
Pump compatibility	D5
Capacity	180 ml
Material Pump top & cover	acetal
Material tube	glass
Material framing bar	aluminium
Connection	1x G1/4“ inner thread IN / 4x G1/4“ inner thread OUT
Maximum working temperature	60 °C
Pressure tested	0,8 Bar
Quantity of digital aRGB LEDs	12
Power digital aRGB LEDs	5V
Power connector digital aRGB LEDs	3-Pin JST + 3-Pin 5V
Weight	567 g
Color	black

Technical data VPP Apex

Dimensions (L x W x H)	65 x 65 x 41mm
Material pump	synthetic material
Material pump cover	aluminium
Material axle	ceramics
Connections	4-Pin PWM | SATA
Rotational speed	2500 - 4500 RPM
Cable lenghts	4-Pin PWM - 48cm | SATA - 48cm
Operating voltage	8-13V DC / 14W IP32
Starting voltage	12V DC
Maximum pumping head	4,25 m
Max flow	340 l/h
Max working temperature	60 °C
Net weight	276 g
color	black

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Manual	13327_Alphacool_Eisbecher_Aurora_D5_Acetal-Glas_-_150mm_incl._Alphacool_VPP_Apex_D5_Manual.pdf
Product pictures	13327_Alphacool_Eisbecher_Aurora_D5_Acetal-Glas_-_150mm_incl._Alphacool_VPP_Apex_D5_pics.zip
EU-DoC / CE / RoHS	Alphacool_EuDoc_CE_RoHS_13327.pdf

Packaging dimensions per unit

L x W x H	250 x 150 x 110 mm
Weight	1240 g

Other data

Certificates	CE, FC, ROHS
EAN	4250197133272
Customs code	84137035890

Article text

The Alphacool Eisbecher Aurora reservoir has an integrated pump top for powerful D5 pumps and comes with a VPP Apex pump. The tube of the reservoir is made of glass, the D5/VPP pump top and the lid of acetal. The combination of these two materials gives the expansion tank a magnificent appearance. The wow effect is provided by 12 digitally addressable RGB LEDs in the pump top and the Lighttower water effect inside the glass tube.

Extensive mounting options

Mounting option 1:

Stands are included in the scope of delivery, which, among other things, allow the expansion tank to be mounted on the bottom of the enclosure.

Mounting option 2:

Included in the scope of delivery are 120mm/140mm mounting frames, which can be used to mount the Eisbecher Aurora expansion tank as desired on free fan spaces, radiators or on the fans on radiators.

Digitally addressable RGB lighting

12 digitally addressable RGB LEDs illuminate the glass tube of the reservoir. They are mounted in a ring at the lower end of the tube in the transition to the pump top and provide brilliant illumination of the entire expansion tank. In combination with the Lighttower water effect, a very special ambience is achieved. The digital aRGB LED lighting is connected via a JST 3-pin connector and can be controlled with a digital RGB controller (e.g. Alphacool Aurora Eiscontrol, Art.15360) or a digital RGB capable mainboard.

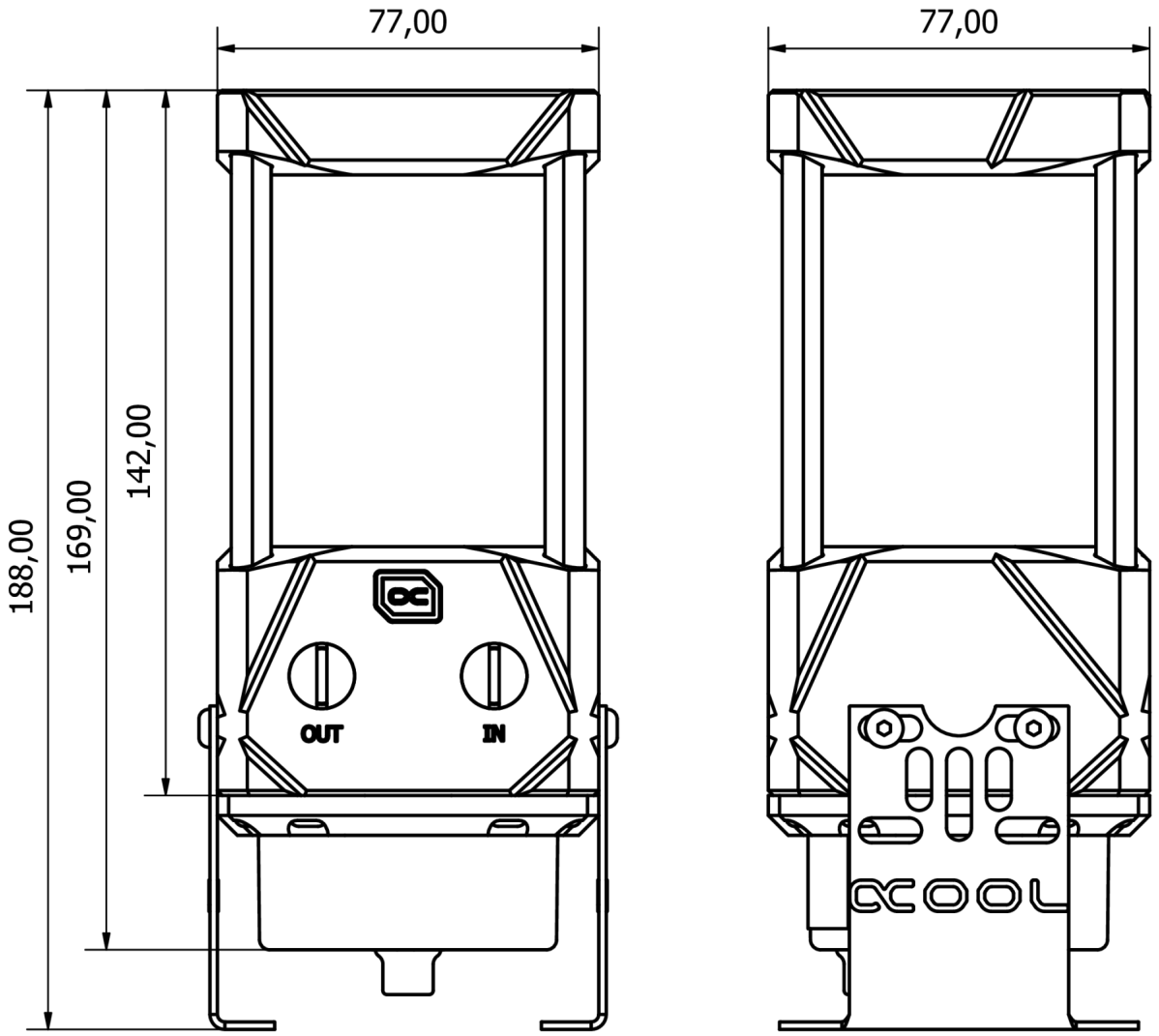
Lighttower water effect

A special water effect is created in the Eisbecher reservoir via the riser tubes. If you do not fill the reservoir beyond the top edge of the riser tube, you get a kind of fountain effect. In this case, the water is pushed out the sides of the riser tube and splashed against the glass tube. Depending on the flow of the circuit, the effect is stronger or weaker.

Pump

The VPP Apex pump does without a spherical bearing and uses a ceramic shaft. The motor's coils have been moved from the inside to the outside. These changes have the effect that the pump is fundamentally more stable and smoother running, and any vibrations that arise have been significantly reduced. Another positive side effect is that power consumption has been almost halved as a result. Compared to Alphacool's Eispumpe, the power is not supplied via a 4-pin Molex connector. Instead, the Apex VPP pump is connected to the power supply using a SATA connector. The Apex VPP pump has a 4-pin fan connector that connects to the motherboard or to an external controller. This allows you to control the speed range of the pump via PWM and read out the RPM signal.

Figure



General tolerance: ± 0,25mm
Dimension in millimeter