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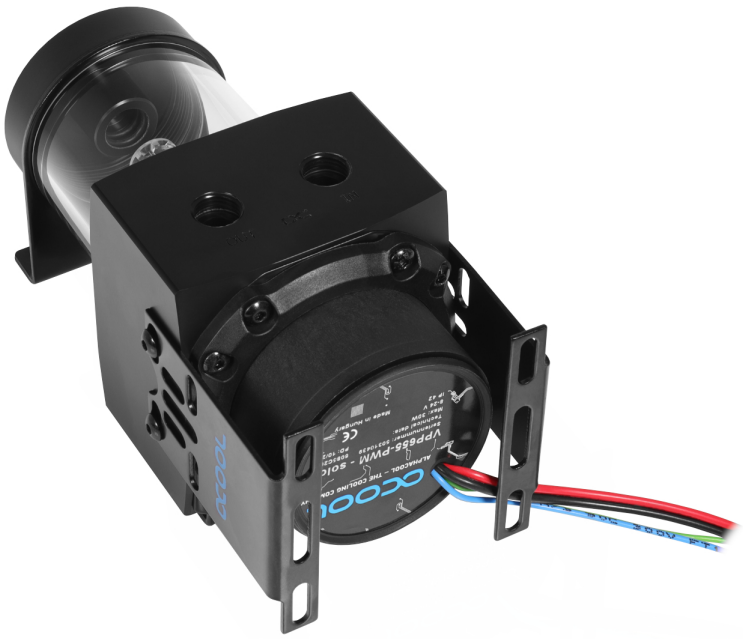
Alphacool Core 100 Aurora D5/VPP reservoir acetal/acrylic with VPP655 PWM Pump

Alphacool article number: 15483



Quick Info

The Alphacool Core reservoir has an integrated pump top for powerful D5 pumps and comes with a VPP655 PWM pump. The tube of the reservoir is made of acrylic, the D5/VPP pump top and the lid of acetal. The combination of these two materials gives the expansion tank a discreet appearance. The wow effect is provided by 12 digitally addressable RGB LEDs in the pump top and the Lighttower water effect inside the acrylic tube.

- Simple maintenance and control of the water cooling system
- Easy filling, draining and venting possible
- Brilliant digital aRGB illumination

Scope of delivery

1x Core 100 Aurora reservoir D5/VPP Acetal/Acryl, black	2x 120 - 140mm bracket
1x VPP655 PWM pump	2x stand bracket
4x M4x6 screws	1x screw plug
8x M4x8 screws	1x Allen key
8x M4x12 screws	1x Plug tool
4x M3x5 screws	1x Digital-RGB adapter
4x M4 nuts	1x O-Ring 53x3,5 pump
2x 120mm bracket	1x pump mounting

Technical data

L x W x H	131 x 76,5 x 76,5 mm
Pump compatibility	D5
Capacity	200 ml
Material Pump top & cover	acetal
Material tube	acrylic
Connection	3x G1/4" internal thread
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 (male & female switch)
Weight	504 g
Color	black

Technical data VPP655 PWM

Dimensions (L x W x H)	65 x 65 x 57mm
Material pump	Synthetic material
Material axle	ceramics
Connections	4 Pin Molex
Rotational speed	800-4800 RPM
Operating voltage	8-24V DC
Power consumption	23W
Maximum pumping head	3,7m
Max flow	1000l/h
Max working temperature	60°C
Color	black

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Manual	15483_Alphacool_Core_100_Aurora_D5-VPP_reservoir_acetal-acrylic_with_VPP655_PWM_Pump_Manual.pdf
Product pictures	15483_Alphacool_Core_100_Aurora_D5-VPP_reservoir_acetal-acrylic_with_VPP655_PWM_Pump_pics.zip

Packaging dimensions per unit

L x W x H	200 x 148 x 110 mm
Weight	1200 g

Other data

Certificates	CE, FC, ROHS
EAN	4250197154833
Customs code	84733080000

Article text

The Alphacool Core reservoir has an integrated pump top for powerful D5 pumps and comes with a VPP655 PWM pump. The tube of the reservoir is made of acrylic, the D5/VPP pump top and the lid of acetal. The combination of these two materials gives the expansion tank a discreet appearance. The wow effect is provided by 12 digitally addressable RGB LEDs in the pump top and the Lighttower water effect inside the acrylic tube.

What's new?

Compared to the previous Eisbecher models, the acrylic tube of the Core reservoir has an external thread. This provides more stability and safety when connecting the lid and pump top to the tube. Also new is the integrated digital aRGB lighting. 12 digitally addressable RGB LEDs in the pump top are included in the scope of delivery of the Core reservoir and no longer have to be purchased separately.

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 Core 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 aycryl 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 core 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. The effect can be placed at the lower or upper inlet using the riser tubes included in the delivery.

Pump

This pump is ideal for PC and other electronics water cooling. The DC pump is equipped with an electronically commutated spherical motor. In a pump with a spherical motor the only moving part is a spherically shaped rotor which in this pump is held in place by a bearing ball made of ultra-hard and wear-resistant ceramic. The spherical bearing of the rotor offers many advantages: For example an increase of bearing play is impossible due to the design, allowing the pump to run quietly and smoothly over its whole lifespan. A separate magnetic shielding of the pump is not needed.