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Alphacool Rise Flat Reservoir DDC with DDC310 pump

Alphacool article number: 15077

Quick Info

The Alphacool Rise Flat reservoir has an integrated pump top for powerful DDC pumps and comes with a powerful DDC310 pump. The combination of pump top and expansion tank is made entirely of acrylic. This makes maintenance and control of the water circuit much easier and gives the expansion tank a unique design. In addition, Alphacool's Rise Flat has 5 individually controllable 5V aRGB LEDs that create unique lighting effects. Thanks to the flat design, the reservoir can fit into even the tightest case.

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

Scope of delivery

1x Alphacool Rise AGB Slim DDC, clear	1x Plug tool
1x DDC310 pump	1x Digital-RGB adapter
4x screw Plug	1x stop plug
2x bracket	1x Digital-RGB LED
2x bracket extended	4x M3x6 screws
4x M3x5 screws	4x M4x6 screws
4x M4x20 screws	1x Allen key

Technical data reservoir

L x W x H	120 x 120 x 50 mm
Pump compatibility	DDC
Capacity	250ml
Material Pump top	acrylic
Material reservoir	acrylic
Connection	6x G1/4" internal thread
Maximum working temperature	60 °C
Pressure tested	0,8 Bar
Quantity of digital aRGB LEDs	5
Power digital aRGB LEDs	5V
Power connector digital aRGB LEDs	3-pin JST (male & female switch)
Weight	548 g
Color	clear

Technical data pump

L x W x H	62 x 62 x 30 mm
Material	stainless steel, EPDM, ceramics
Voltage range	12 V
Power consumption	10W
Max delivery height	2,28 m
Max flow rate	400 L/h
Power connector	4-Pin Molex
Speedometer signal	3-Pin Molex
Maximum working temperature	60 °C
Weight	167 g

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Manual	15077_Alphacool_Rise_Flat_Reservoir_DDC_with_DDC310_pump_Manual.pdf
Product pictures	15077_Alphacool_Rise_Flat_Reservoir_DDC_with_DDC310_pump_pics.zip

Packaging dimensions per unit

L x W x H	215 x 165 x 100 mm
Weight	1155 g

Other data

Certificates	CE, FC, ROHS
EAN	4250197150774
Customs code	84733080000
Guarantee	3 years

Article text

The Alphacool Rise Flat reservoir has an integrated pump top for powerful DDC pumps and comes with a powerful DDC310 pump. The combination of pump top and expansion tank is made entirely of acrylic. This makes maintenance and control of the water circuit much easier and gives the expansion tank a unique design. In addition, Alphacool's Rise Flat has 5 individually controllable 5V aRGB LEDs that create unique lighting effects. Thanks to the flat design, the reservoir can fit into even the tightest case.

Compact design, flexible use

Due to the flat, compact design and the high number of connections, the Rise Flat reservoir can be used flexibly and can also be installed in the tightest of spaces. With the help of the mounting kit included in the scope of delivery, the reservoir can be mounted free-standing in the case, on a radiator or at free fan positions (see mounting example).

Connection options reservoir

The Rise Flat expansion tank has a total of 5 inputs and one output. All connections use a G1/4" thread. The 5 inlets are perfectly placed over the entire expansion tank. This allows for easy filling and draining and facilitates maintenance of the entire water circuit.

Brilliant lighting

On the side of the expansion tank, 5 digitally addressable 5V RGB LEDs can be installed, which create a unique, very noble-looking illumination. 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.

Maintenance

The acrylic reservoir allows visual control of the water cooling level. A total of 5 G1/4" inlets allow easy filling, draining and venting of the water circuit.

Compatibility

The Rise Flat AGB has an integrated pump top and is compatible with all original DDC pumps. All screws for mounting the pump on the reservoir are included.

Pump

The flat design of the Laing DDC310 pump saves space. This results in a very powerful pump that can also be used in the tightest of spaces. With a delivery head of 2.44m, the DDC310 variant offers enough power to operate an extensive water circuit. Power is supplied via a 4-pin Molex connection, and the speed can be read out via a 3-pin Molex connection. This is usually done via the 3-pin fan connector on the mainboard or via a corresponding fan controller.

Drawing