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Alphacool VPP Apex Pump

Alphacool article number: 13339



Quick Info

The Alphacool Apex VPP is a powerful pump that is compatible with the most popular D5/VPP tops and reservoirs. Via the 4-pin fan connector, the speed of the pump can be read and controlled via PWM signal. The Apex VPP is supplied with power via the SATA connector.

- Compatible with the most popular D5/VPP pump tops and reservoirs
- Speed range control of the pump via PWM
- Power supply via SATA connection

Scope of delivery

1x Alphacool VPP Apex Pump, black
1x o-ring

Technical data

Dimensions (L x W x H)	65 x 65 x 41 mm
Material pump	synthetic material
Material pump cover	aluminium
Material axle	ceramics
Connections	4-Pin PWM | SATA
Rotational speed	2500-4500 rpm
Cable lengths	4-Pin PWM - 48 cm | SATA - 48 cm
Operating voltage	8-13 V DC / 14 W IP32
Starting voltage	12 V DC
Maximum pumping head	4.25 m
Maximum flow rate	340 L/h
Maximum working temperature	60 °C
Weight	276 g
Color	black

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Manual	13339_Alphacool_VPP_Apex_Pump_Manual.pdf
Product pictures	13339_Alphacool_VPP_Apex_Pump_pics.zip
EU-DoC / CE / RoHS	Alphacool_EuDoc_CE_RoHS_13339.pdf

Packaging dimensions per unit

L x W x H	70 x 80 x 75 mm
Weight	321 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197133395
Customs code	84137081900
Guarantee	5 years

Article text

The Alphacool Apex VPP is a powerful pump that is compatible with the most popular D5/VPP tops and reservoirs. Via the 4-pin fan connector, the speed of the pump can be read and controlled via PWM signal. The Apex VPP is supplied with power via the SATA connector.

Features

Alphacool's Apex VPP doesn't use a spherical bearing and relies on a ceramic axle. 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.

Power supply

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.

Control

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.

Compatibility

The Apex VPP pump is compatible with the most popular D5/VPP pump tops and reservoirs.

Figure



