

## Alphacool Eiswolf 2 AIO - 360mm RTX 3090/3080 with Backplate (Reference)

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### Quick Info

The Alphacool Eiswolf 2 is the first full cover GPU AIO waterblock from Alphacool. It is based on the Alphacool GPX Eisblock Aurora GPX water block, a pump unit and a 360mm NexXoS ST30 full copper radiator. The latter is equipped with the Alphacool Aurora Rise Digital RGB fans.

- Full copper radiator
- Chrome plated copper cooler
- Virtually silent DC-LT 2 pump
- Digital RGB illuminated cooler
- Digital RGB 120 mm fans

## Compatibility

GPU were approved with photos. Due the limited visuality we can not say for sure if the water block will fit. Please check your PCB Layout before you order the water block

- Gainward RTX 3080 Phoenix (1952)
- Gainward RTX 3080 Phoenix GS (2010)
- Galakuro NVIDIA GEFORCE RTX 3080 GG-RTX3080-E10GB/TP
- Galax GeForce RTX 3080 SG 10GB GDDR6X (38NWM3MD99NN)
- Inno3D GEFORCE RTX 3080 12GB ICHILL BLACK LHR
- Inno3D GEFORCE RTX 3080 12GB ICHILL FROSTBITE LHR
- Inno3D GEFORCE RTX 3080 12GB ICHILL X3 LHR
- Inno3D GEFORCE RTX 3080 12GB ICHILL X4 LHR
- Inno3D GEFORCE RTX 3080 12GB X3 OC LHR
- Inno3D GeForce RTX 3080 iChill X3 (C30803-106XX-1810VA37)
- Inno3D GeForce RTX 3080 iChill X4, 10 GB GDDR6X (C30804-106XX-1810VA36)
- Inno3D GeForce RTX 3080 Twin X2 OC, 10 GB GDDR6X (N30802-106XX-1810VA34)
- KFA² GeForce RTX 3080 SG 10GB GDDR6X (38NWM3MD99NK)
- Palit GeForce RTX™ 3080 GamingPro (NED30800191A-132AA)
- Palit GeForce RTX™ 3080 GamingPro OC (NED3080S191A-132AA)
- PNY GeForce RTX 3080 XLR8 Gaming EPIC-X RGB (VCG308010TFXMPB)
- PNY GeForce RTX 3080 XLR8 Gaming EPIC-X RGB, 10 GB GDDR6X (VCG308010TFXPPB)
- Zotac Gaming GeForce RTX 3080 AMP Extreme Holo, 10GB GDDR6X, HDMI, 3x DP (ZT-A30800B-10P)
- Zotac Gaming GeForce RTX 3080 AMP Holo, 10GB GDDR6X, HDMI, 3x DP (ZT-A30800F-10P)
- Zotac GAMING GeForce RTX 3080 Trinity (ZT-A30800D-10P)
- Zotac Gaming GeForce RTX 3080 Trinity OC, 10GB GDDR6X, HDMI, 3x DP (ZT-A30800J-10P)
- Gainward GeForce RTX 3080 Ti 12GB Phoenix (471056224-2379)
- Inno3D GEFORCE RTX 3080 TI ICHILL FROSTBITE
- Inno3D GEFORCE RTX 3080 TI ICHILL X3
- Inno3D GEFORCE RTX 3080 TI ICHILL X4
- Inno3D GEFORCE RTX 3080 TI X3
- Inno3D GEFORCE RTX 3080 TI X3 OC
- Palit GeForce RTX 3080 Ti GamingPro
- Zotac Gaming GeForce RTX 3080 Ti AMP Holo (ZT-A30810F-10P)
- Zotac Gaming GeForce RTX 3080 Ti Trinity (ZT-A30810D-10P)
- Zotac Gaming GeForce RTX 3080 Ti Trinity OC
- Zotac GeForce RTX 3080 Ti AMP HoloBlack
- Gainward RTX 3090 Phoenix (1976)
- Gainward RTX 3090 Phoenix GS (2034)
- Galakuro NVIDIA GEFORCE RTX 3090 GG-RTX3090-E24GB/TP
- Galax GeForce RTX 3090 SG 24GB GDDR6X 320-bit DP\*3/HDMI/ (39NSM5MD1GNA)
- Inno3D GeForce RTX 3090 Gaming X3, 24 GB GDDR6X (N30903-246X-1880VA37N)
- Inno3D GeForce RTX 3090 iChill X3, 24 GB GDDR6X (C30903-246XX-1880VA37)
- Inno3D GeForce RTX 3090 iChill X4, 24 GB GDDR6X (C30904-246XX-1880VA36)
- KFA² GeForce RTX 3090 SG 24GB GDDR6X 320-bit DP\*3/HDMI/
- Palit GeForce RTX™ 3090 GamingPro (NED3090019SB-132BA)

- Palit GeForce RTX™ 3090 GamingPro OC (NED3090S19SB-132BA)
- PNY GeForce RTX 3090 OC XLR8 Gaming Epic-X RGB Triple Fan Edition, 24GB GDDR6X (VCG309024TFXMPB)
- PNY GeForce RTX 3090 XLR8 Gaming EPIC-X RGB, 24 GB GDDR6X (VCG309024TFXPPB)
- Zotac GeForce RTX 3090 Trinity, 24 GB GDDR6X (ZT-A30900D-10P)

## Scope of delivery

1x Alphacool Eiswolf 2	4x M2x5 washers
1x Mounting set GPU-Cooler	4x M2x11 screws (flat head)
1x Radiator	2x Screw plugs
3x Fans	1x Digital RGB adaptor
1x Backplate	1x Thermal Grease
12x M3x30 screws	1x Plug tool
12x M3x5 screws	1x 3-Pin JST to 3-Pin 5V adaptor
4x M2x5 screws	

## Data radiator

L x W x H	395 x 124 x 30mm (+/- 3%)
Material cooling fins	Copper
Material chambers	Copper
Material cooling channels	Copper
Material threads	Brass
Material outer housing	stainless steel
G 1/4" threads	2 x for tubes (+ 1x Fillport G1/4")
For fan size	120 mm
Possible fan assembly	3 x one-sided / 6 x both-sided

## Data cooler and pump

L x W x H	130 x 225 x 46 mm
Material cooler bottom	Chrome plated copper
Material cooler top	PMMA
Threads	2 x G1/4"
Pump type	DC-LT 2
Pump speed	2600 rpm (+/- 10%)
Head of delivery	1 m
Maximum flow rate	72 L/h
Voltage	6-13.5V DC
Power consumption	3.2W
MTBF	50.000 h

## Data liquid

Color	clear
Ingredient 1	Distilled water (CAS-number 7732-18-5)
Ingredient 2	Glysantin (CAS-number 1017-21-1)
Working temperatures	-15 C° / +90 °C

## Data quick fasteners

L x D	95 x 27 mm
Material	Nylon
For tube size	12,7 / 7,6 mm
Color	Black

## Data fittings

L x D straight fitting	24 x 18 mm
Quantity straight fittings	2x
L x B x H 90° fitting	35 x 27 x 17 mm
Quantity 90° fittings	2x
For tube size	12,7 / 7,6 mm
Material fittings	Brass

## Data tube

Length	50 cm
Material tube	TPV (EPDM/PP)
Color	Matt black
Tube size	12,7 / 7,6 mm
Hardness grade	35 Shore-A to 50 Shore-D
Working temperature	-50 to +155 °C

## Data fan

Speed	0 - 2500 RPM
Static pressure	3,17 mm H <sub>2</sub> O
Air flow rate	119,8 m <sup>3</sup> /h
Bearings	Sleeve bearing
Fan connector	4-Pin PWM
Connection Digital aRGB	3-Pin JST + 3-Pin 5V
Dimensions	120 x 120 x 25 mm
Net weight	187 g
Max working temperature	60 °C

## Download links

Manuals	<a href="#">11931_Alphacool_Eiswolf_2_AIO_-_360mm_RTX_3090-3080_with_Backplate_(Reference)_Manual(1).pdf</a> <a href="#">11931_Alphacool_Eiswolf_2_AIO_-_360mm_RTX_3090-3080_with_Backplate_(Reference)_Manual(2).pdf</a>
Safety data sheet	<a href="#">11931_Alphacool_Eiswolf_2_AIO_-_360mm_RTX_3090-3080_with_Backplate_(Reference)_SDS.pdf</a>
Product pictures	<a href="#">11931_Alphacool_Eiswolf_2_AIO_-_360mm_RTX_3090-3080_with_Backplate_(Reference)_pics.zip</a>

## Packaging dimensions per unit

L x W x H	420 x 370 x 150 mm
Weight	3707 g

## Other data

Certificates	CE, FC, RoHS
EAN	4250197119313
Customs code	84195080900

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### **Fullcover Waterblock?**

The Eiswolf 2 graphics card AIO water block not only cools the GPU with liquid but also all relevant components that require active cooling. This includes the graphics memory, the VRM and, if necessary, other components that require direct cooling. By using the Eisblock GPX Aurora water cooler, the cooling capacity is identical to that of a DIY graphics card water cooler.

### **Pump**

The Eiswolf 2 has a pump unit in place of the normal connection terminal. This pump unit houses the DC-LT 2 pump. An improved and quieter version of the well-known DC-LT Low Noise Ceramic Pump. Despite looking rather large, the pump unit is only 5 mm wider than a normal connection terminal.

### **Fittings and Tubing**

As with all new AIO units, Alphacool uses only TPV hoses from the Enterprise Solution range for (usually reserved for servers and workstations) in the Eiswolf 2. The tubing is made of EPDM/PP and are extremely heat-resistant, durable, and free of plasticizers. All fittings are also based on the Enterprise Solution range and match the TPV hoses perfectly.

### **Expandability**

By using the quick-release fastener, the Eiswolf 2 can be connected to another Alphacool AIO unit to achieve a larger loop in seconds. Alphacool offers various prefilled components with which the loop can be easily extended. For safety reasons, the quick-release fasteners are firmly screwed together and not just plugged together.

### **Lighting and fans**

The Eiswolf 2 cooler has a digital RGB LED lighting, also called addressable RGB LEDs. They run along the entire back of the graphics card cooler and provide complete illumination of the water cooler. The pump unit is more discreet and offers a green glowing logo for Nvidia and a red glowing logo for AMD cards. The name "Eiswolf" on the pump unit remains unlit, discreetly in the background. The fan used is the Aurora Rise with 120mm. Due to the special blade design, the fan is extremely quiet and the addressable RGB LEDs provide brilliant illumination. The Alphacool Aurora Rise fan convinces with a max. static pressure of 3.17mm/H<sub>2</sub>O and offers a max. air flow of 119.8m<sup>3</sup>/h. The PWM control allows the fan to be controlled over a wide speed range. In addition, it offers a zero control. It can therefore be regulated down to 0 rpm and then starts with approx. 350 rpm.

### **NexXoS Radiator**

As with all AIO units, Alphacool uses radiators from the world renowned NexXoS series. The full copper radiators offer a much higher cooling capacity than aluminium radiators and have contributed significantly to Alphacool's worldwide success.

The combination of all of the components results in a solution that is as simple as an AIO solution to install, but with the performance of a pre-assembled and prefilled custom loop.

### **Technical note!**

Due to long storage times and various transport routes, the liquid in the Eiswolf 2 AIO remains still for a long time. The ingredients of the liquid can therefore deposit and lead to a brownish discoloration. As soon as the pump starts operating, the ingredients mix again and the liquid should regain an approximately clear color. This is not a reason for complaint as neither the performance nor the function of the AIO are restricted by this. If the discolouration of the cooling liquid does not disappear after the AIO has been put into operation, please contact our support team via E-Mail ([info@alphacool.com](mailto:info@alphacool.com)). You will receive quick and uncomplicated help there.