



# Alphacool NexXxoS XP<sup>3</sup> Light - Black V.2 - Intel/AMD

Special Price  
**\$45.95** was  
**\$47.99** As low as  
**\$38.99**

## Product Images





## Short Description

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Only few companies can look back to such a long history of experience and tradition in CPU water block development and manufacturing as Alphacool. In the young water cooling sector, from 2004 to 2007, Alphacool aced many tests with the NexXxos HP and NexXxos XP CPU water block series. A multitude of awards and 1st places were the reward for offering the best water block on the market. With the "Alphacool HF 14 Yellowstone", Alphacool continued water block development. The result: Alphacool was voted "CPU water block manufacturer of the year 2011" by the PCGH user community.

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Since the beginning of 2010, Alphacool has been developing and testing the successor for over 14 months. Never in company history had such an effort been made towards improvement of a product, but the goal was clear: The new Alphacool NexXxoS XP<sup>3</sup> was not only being developed to better its predecessors, but also exceed the cooling performance of all other products on the market.

Different tests have already proven that the goal has been achieved and that Alphacool has created a true flagship water block.

In the first review, great flow rates and exceptional cooling performance ensured a solid win for the NexXxos XP<sup>3</sup> [18.6.2012, Source: [Hardwaremax](#)]

## Features

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**Cross-slotted structure:** Having been patented for the NexXoS XP in 2004, the cross-slot technology in the cooling plate was developed even further. An even finer structure of fins and channels now ensures stunning performance. The remaining pins are 0.5x0.5mm wide and have a height of 2.5mm. With this technology, it is possible to transfer great amounts of thermal energy very quickly from cooling plate to coolant..

**Backflow channels:** The patented backflow channels were also improved and optimized for maximum flow rates. Coolant can now be drained very efficiently above the pin structure, reducing flow resistance and improving cooling performance.

**Injection:** A multitude of approaches for ideal coolant injection into the cooling structure exist, and many of them show great potential in computer simulation.

Alphacool went one step further, and has actually realized many different technologies and tested them under real-life conditions. These prototypes were combined with different backflow possibilities, until an ideal solution was found: Slotted acentric injection in combination with backflow channels in opposite directions allowed a performance improvement which also worked on larger chips and Multi-core processors.

**Coolant recirculation:** Unlike many current water blocks, where the recirculation of the coolant was only seen as a secondary issue, the NexXoS XP<sup>3</sup> was also optimized in this point. Hence it features an unusually large collection reservoir all along the pin structure of the water block. This allows coolant flow from all directions, removing it from the pin structure in a highly effective manner.

**Size:** Both in regard to cooling plate dimensions (56x56mm) as well as top plate dimensions (57x67mm, plus mount), the XP<sup>3</sup> has grown to be a full-size water block. Main advantage of the larger dimensions is optimal cooling of multi-core processors.

**Mount:** The XP<sup>3</sup> features a circumferential elevated strip, offering a secure hold for the mounting plate. This new feature allows switching of the cooling plate without having to disassemble and open the water block.

With water blocks from the competition, installation of a different mounting plate is often a hassle without the necessary technical know-how, and not many users have the experience to be able to disassemble a complicated water block and reassemble it correctly without damaging it.

Such worries are now thing of the past! Included with the water block come two mounting plates, one for installation Intel sockets, the other for use with AMD processors.

**Versions:** Two versions will be available upon release: For budget-oriented users, the affordable entry-level version with Acetal is the right choice. For those looking for something a bit more advanced, a version with brass top and elegant black nickel plating is available.

Cooling performance of the Acetal version is only approximately 2°C behind the performance of the brass version, meaning that the Acetal version delivers top-notch performance at an affordable price.

The mounting manual for this water block is available for download [here](#)

The water block is shipped in a protective packaging with specially cut foam inserts; the cooling plate has a protective foil attached to it. This foil must be removed before installation of the water block.

Fusion Thermo: ready for air and water cooling

With its sharp ROG style, the ROG Fusion Thermo is more than just a VRM cooler: it combines a 100% copper watercooling channel with electroplated nickel barbs and an integrated heatpipe, all wrapped in air-cooling fins. With the choice of both water-cooling or air-cooling, Fusion Thermo delivers the ultimate add-on to achieve that OC advantage. [See more](#)

## Specifications

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Extent of delivery:

- 1x Assembled CPU water block
- 1x Mount for Intel Mainboards sockets 775,1150,1155,1156,1366,2011,1150
- 1x Mount for AMD Mainboards AM2 and AM3
- 1x Thermal compound and mounting material

Technical specifications:

- Weight: 0,279 kg
- Dimensions CPU water block: 57x67x14mm respectively. 63x73x14mm at the mounting strip
- Compatible with: Intel sockets 775,1150,1155,1156,1366,2011 and AMD AM2 and AM3
- Connection threads: 2x G1/4

## Additional Information

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Brand	Alphacool
SKU	AC-12164
Weight	1.0000
Color	Black
CPU Series	Intel/AMD Various
Block CPU Type	Intel/AMD
Block Style	Copper-Acetal
Vendor SKU/EAN	4250197121644
Internet Reviews	<p>Thermalbench Review "Packaging is excellent, and the block does support most Intel and AMD sockets from the past decade even. Aesthetics are a personal preference but the build quality can't be argued against." <a href="#">Click here to read more!</a></p>
Special Price	\$45.95

