

ALPHACOOOL

ALPHACOOOL – THE COOLING COMPANY

Full Copper Radiator

Alphacool has been the company to introduce new developments and improvements in the radiator and water cooling sector generally many times over the last years.

Following this tradition, the new NexXsos radiators are the first to truly deserve the "Full copper" attribute. All main parts, not only the fins and channels, but the chambers are also made from copper. This brings an improvement in performance where other radiators are left without a chance. The material already gives an advantage over the competition and the inner structure is up to par with the competition. Separated chambers give the coolant a clear direction, allowing high flow rates, which improve the performance of the whole cooling loop.

Flat chambers on the heat exchanger increase mounting flexibility thanks to the reduced overall length.

Versatile and Easy Mounting

Versatile and easy mounting is one of the main points, on which the research and development department at Alphacool focused. The chamber offers three possibilities for fitting installation on both inlet and outlet (not on the NexXsos ST30). Less angled fittings are needed, improving flow rates and offering more mounting possibilities. Hence the radiator can even be installed in tight enclosures, where otherwise the internal installation is not a possibility. A 1/4" screw plug allows easy de-aeration of the radiator (on all UT60 and NexXsos Monsta) and hassle-free vertical installation of the heat exchanger. The threaded opening can even be used for filling, e.g. in combination with a Fillport.

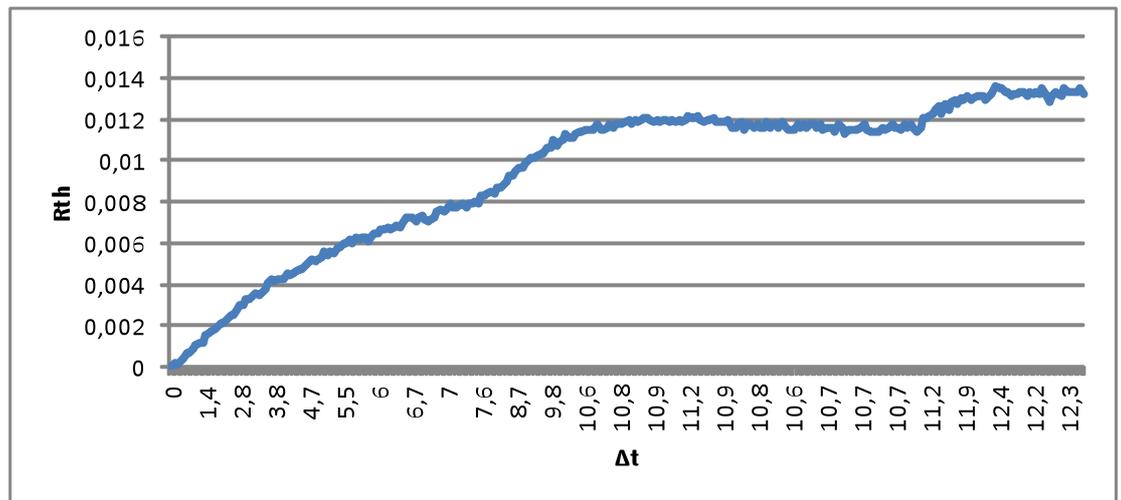
Alphacool NexXsos ST30 Full Copper



Details:

Size:Wx HxD	278x124x 30mm
Connecting Fitting:	2x G 1/4" DIN 228-1
Screw Holes:	16x M3x0,5 - max. 5mm deepness
Weight:	0,731 kg
Max Pressure:	1,5 bar
Volume:	180ml
R _m Results:	0,0137

R_{TH} Result



The R_{th} value is calculated from the air temperature, water temperature and performance. In this test, we assumed that the two fans has each a flow rate of 750m³ / h × 10. The pump has a flow rate of 1500 l / h.

The Technical Drawing:

