

Alphacool ES deionized water (ultrapure water) 5000ml

Alphacool article number: 17635



Quick Info

ES deionized water is an industry-grade purified water developed by Alphacool specifically for servers and workstations. To ensure the water is free from organic and inorganic substances, it is demineralized and deionized through multiple filtration processes. Due to its extreme purity, there are no residues formed, thereby preventing damage to the cooling system.

- Extreme purity
- Does not form residues
- Conductivity below 0.1 $\mu\text{s}/\text{cm}$
- DIN and ISO standards tested

Scope of delivery

1x ES deionized water (ultrapure water) 5000ml

Technical data

Filling volume	5000ml
Color	Clear

Analysis + Method

pH value (DIN 38404 C5)	6,5-8,5
el. Conductivity (DIN EN 27888)	less than 0,1 µs/cm
Total dry residue (DIN 38409 H1-1)	less than 10 mg/l
Chloride (LCOCD)	less than 0,01 mg/l
Nitrate (LCOCD)	less than 0,002 mg/l
Nitrate-Nitrogen (EN ISO 10304-1)	less than 0,25 mg/l
Sulfate (LCOCD)	less than 0,001 mg/l
Magnesium (DIN EN ISO 17294-2)	less than 0,02 mg/l
Sodium (DIN EN ISO 17294-2)	less than 0,05 mg/l
Nitrite (LCOCD)	less than 0,002 mg/l
Phosphate (LCOCD)	less than 0,002 mg/l
SiO ₂ (Photometrie)	less than 0,01 mg/l
Tin (DIN EN ISO 17294-2)	less than 0,01 mg/l
Total hardness (DIN EN ISO 17294-2)	less than 0,002 mmol/l
Total hardness (DIN EN ISO 17294-2)	less than 0,01 °dH

Note on use

Warning	Must not be mixed with other liquids!
----------------	---------------------------------------

Download links

Safety data sheet	17635_Alphacool_ES_deionized_water_(ultrapure_water)_5000ml_SDS.pdf
Product pictures	17635_Alphacool_ES_deionized_water_(ultrapure_water)_5000ml_pics.zip

Packaging dimensions per unit

L x W x H	200 x 200 x 290 mm
Weight	5300 g

Other data

Certificates	CE, FC, RoHS
EAN	4250197176354
Customs code	38119000000

ES deionized water is an industry-grade purified water developed by Alphacool specifically for servers and workstations. To ensure the water is free from organic and inorganic substances, it is demineralized and deionized through multiple filtration processes. Due to its extreme purity, there are no residues formed, thereby preventing damage to the cooling system.

Absolute Purity

In contrast to household distilled water with an electrical conductivity of about 20 $\mu\text{s}/\text{cm}$, the electrical conductivity of Alphacool's ES purified water is less than 0.1 $\mu\text{s}/\text{cm}$. Due to its extreme purity, it does not react with copper, brass, or nickel. The purified water does not leave any limescale deposits. These properties help to protect the components, increase their lifespan, and reduce maintenance efforts.

Do Not Mix!

To prevent contamination of the filtered fluid according to DIN or ISO standards (See paragraph "DIN and ISO Standards," as well as table "Analysis + Method"), the purified water **must not** be mixed with other fluids. If it is mixed, the warranty is void, and the properties of the fluid may be negatively impacted.

DIN and ISO Standards

Depending on the requirement profile, the purified water meets the following standards:

- DAB 2019 / Ph.Eur. 10 / USP / EAB 9
- DIN ISO 3696 / ASTM D1193-91 / CLSI-CLRW
- DIN EN 13060 / DIN EN 285
- DIN 43530 / VDE 0510
- VDI 2035