

Alphacool ES pressure valve G1/4" OT

Alphacool article number: 14669



Quick Info

The Alphacool ES Pressure Valve is designed to manage pressure fluctuations in closed-loop water cooling systems. Developed for use in servers, workstations, and industrial environments, it safeguards individual components from excessive pressure build-up.

- Compact design
- Protection against overpressure
- Designed for demanding continuous operation

Scope of delivery

1x Alphacool ES pressure valve G1/4" OT

Technical specifications

Type:	Pressure equalizing valve to limit the pressure increase in the closed system
Dimensions:	20,0 mm x 16,0 mm
Material Valve body:	brass (CuZn39Pb3)
Compression spring material:	stainless steel (X10CrNi18-8)
Material O-ring:	NBR Shore 70
Working pressure:	2bar
Burst pressure:	4bar
Working temperature (in degrees Celcius):	-20 ~ +100
Recommended liquids:	water, deionized water, glycol water, propanediol water etc.
Thread type:	G1/4', external thread 5mm
Weight:	18g
Color:	silver/black

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Product pictures	14669_Alphacool_ES_pressure_valve_G1-4_OT_pics.zip
EU-DoC / CE / RoHS	Alphacool_EuDoc_CE_RoHS_14669.pdf

Packaging dimensions per unit

L x W x H	110 x 90 x 20 mm
Weight	20 g

Other data

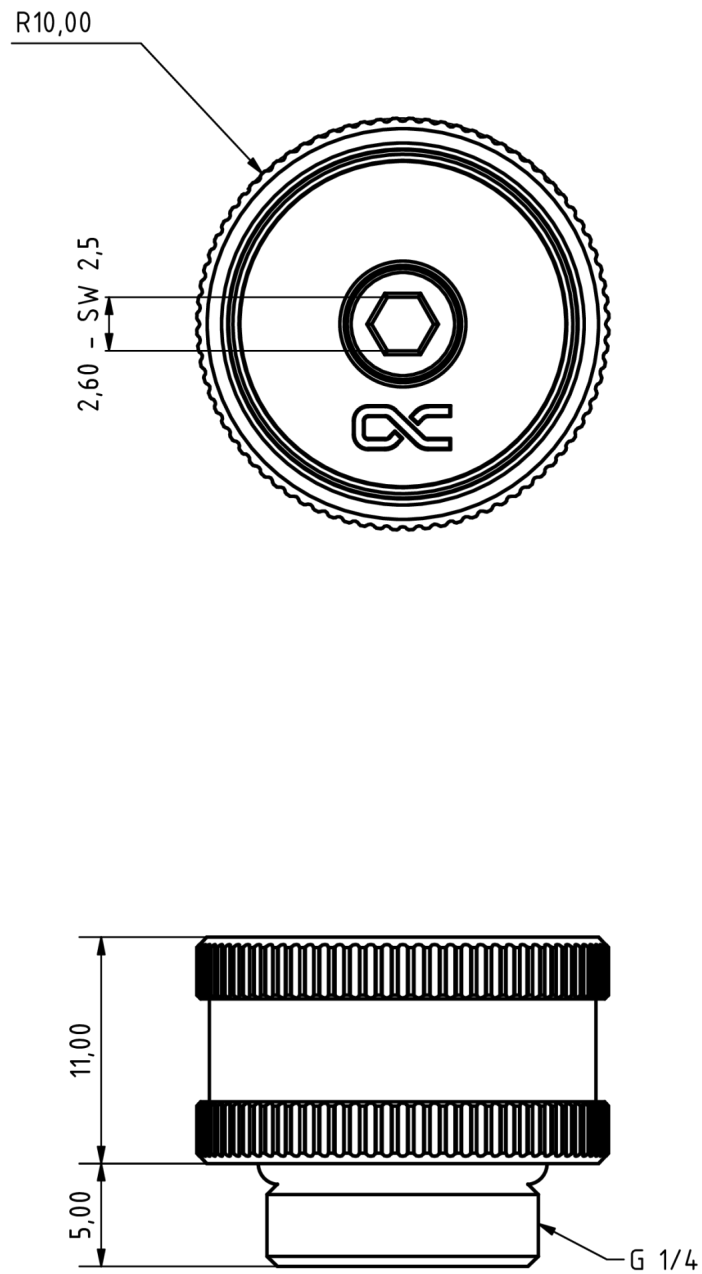
Certificates	CE, FC, RoHS
EAN	4250197146692
Customs code	84814090900

Article text

The Alphacool ES Pressure Valve is designed to manage pressure fluctuations in closed-loop water cooling systems. Developed for use in servers, workstations, and industrial environments, it safeguards individual components from excessive pressure build-up.

Thanks to its compact dimensions—just 20.0 mm in height and 16.0 mm in diameter—the valve is well-suited for installations where space is limited. The G1/4" thread ensures straightforward integration into existing cooling circuits. Installation is versatile, allowing the valve to be positioned where it most effectively contributes to system reliability.

Engineered for continuous use under demanding conditions, the valve features a durable housing that resists both thermal and mechanical stress. Its precision valve mechanism guarantees reliable performance throughout its entire operational lifespan.



General tolerance: $\pm 0,25\text{mm}$
Dimension in millimeter