

Data sheet Product FLKU 140

Profile heatsinks and fluid coolers>Fluid coolers
with internal fin structure; dimensions and designs using customer's instructions; water-glycol mixture (60/40); inlet temperature approx. 26 °C

fluid cooler for dissipating large quantities of heat with low space requirement; **effective system to cool power modules**; suitable for water pH 6,5-8,5 with anticorrosives, as well as other fluids (eg. oil, alcohols, etc.); **compact design with internal fin structure for particularly good heat transfer to the fluid**; minimised flow pressure losses (see diagram); **operating pressure up to 2 bar possible**; thick base plate for optimum heat distribution and to secure the heat-emitting elements; **mounting flange for the cooler according to customer's instructions**; precisely face milled surface of component mounting area with very good evenness and low roughness depth; **dimensionally accurate adjustment to given mounting conditions**; connections using hole ports 12 mm in diameter with reinforcing seam to DIN 71550 or installation flange to customer's instructions; **I- or U-throughflow or multiple throughflow versions**; max. drilling depth in the base plate: 7 mm

To avoid corrosion in the water cooler the cooling fluid has to flow in a closed circuit and it has to contain 40-60% (preferred is 50%) anti-corrosive fluids for aluminium, if necessary with anti-freeze. For the choice and approval of the cooling fluid as well as for the possible consequences in the cooling circuit the user is the only liable person. Therefore we exclude any liability for damages caused by the choice or approval of the cooling fluids.

Features

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|------------------|-------------------------|
| width: | 540 mm |
| height: | 16 mm |
| plate thickness: | 16 mm |
| length: | 140 mm |
| material: | EN AW 6060 (AlMgSi 0.5) |

Technical Drawing

