

Data sheet Product FLKI 80

Profile heatsinks and fluid coolers>Fluid coolers

Fluid cooler for power modules with internal lamella structure;

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 milled flat surface of the component mounting area with very good flatness and low roughness depth; **dimensionally accurate adjustment to given mounting conditions**; connections using hose nozzles \varnothing 12 mm with reinforcing seam to DIN 71550 or installation flange according to customers instuctions; **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% (preferrably 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.

water-glycol mixture (60/40); inlet temperature approx. 26 °C

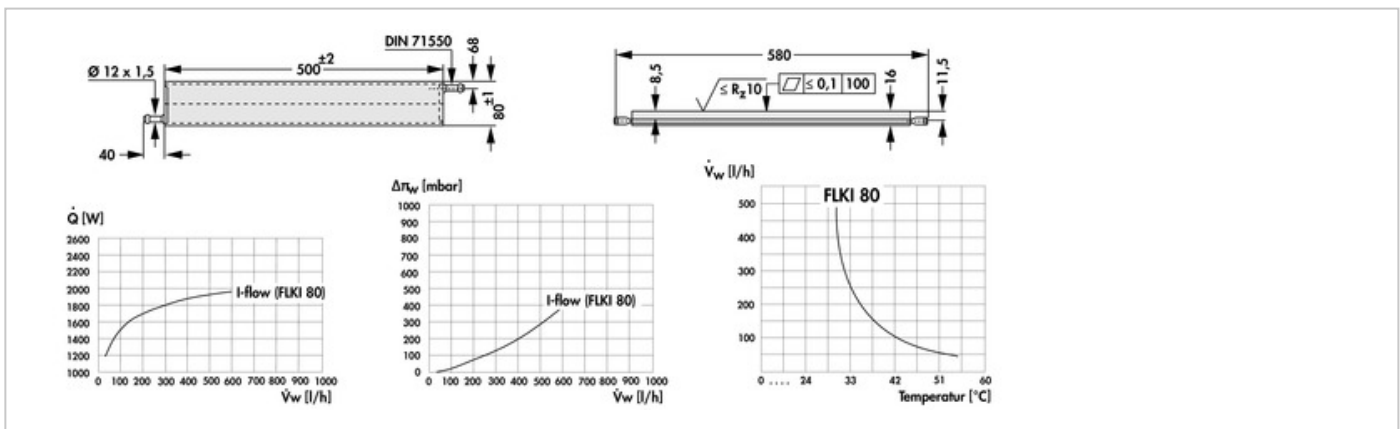
dimensions and realisation in Connection with customer specifications;

Material: EN AW 6060 (Al Mg Si 0,5)

Features

width:	580 mm
height:	16 mm
plate thickness:	16 mm
length:	82 mm
material:	EN AW 6060 (AlMgSi 0.5)

Technical Drawing



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