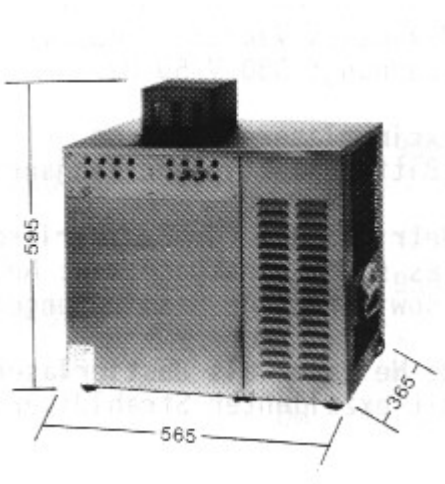
Heat Exchangers



In laboratories with existing cold water circulators, our standard heat exchangers are a good alternative for cooling bigger systems; for example for the cooling of high power **excimer lasers**, ***argon*** or ***krypton-ion-lasers*** as well as other laboratory equipment. Our standard heat exchangers do not have a temperature stabilisation.
The mentioned cooling powers are based on a flow rate of 20 l/min. and a water temperature of 12 °C on the secondary side. At different temperatures or different flow rates the cooling power changes accordingly.
Besides our standard systems we are in a position to manufacture cooling systems up to several 100 kW, according to customer specifications.

Heat Exchangers (water/water)

RDW 7
Cooling power up to 7 kW, depending on the flow rate, pressure approx. 1.5 bar, 30 l coolant reservoir
Dimensions: 565 x 365 x 595 mm³

RDW 25
Cooling power up to 25 kW, depending on the flow rate, pressure approx. 3.5 bar, 30 l coolant reservoir
Dimensions: 565 x 365 x 595 mm³

RDW 45
Cooling power up to 25 kW, depending on the flow rate, pressure approx. 3.5 bar, 30 l coolant reservoir
Dimensions: 565 x 365 x 595 mm³
Our standard heat exchangers do not have a temperature stabilisation.

Temperature stabilisation 1 °C

Water gauge and outside thermometer additional
For your heat exchangers and cooling systems we can offer you different circulating pumps to modernise. The pumps are corrosion resistant and sealless, they are especially heaved for laser use which guarantees a totally vibrationless and pressure free run.

KTC 31
pressure approx. 0,45 bar, flow rate 60 l/min

KTC 33
pressure approx. 1,45 bar, flow rate 60 l/min

KTC 35
pressure approx. 2,45 bar, flow rate 60 l/min

KTC 63
pressure approx. 4,6 bar, flow rate 100 l/min

KTC 64
pressure approx. 6,3 bar, flow rate 100 l/min