

Heating/cooling device for heat-bearing medium oil



Pumps

Environmentally friendly and low-maintenance design is important to thermobiehl. Our specially designed system replaces the traditional sealant in which leaks can develop for technical reasons. Leak-free operation is thus possible even at high temperatures.

Model	l/min	bar	Heating/cooling channels
0013	13	5 - 10	12
0013 D	2 x 13	5 - 10	12
0016	16	5 - 10	16
0016 D	2 x 13	5 - 10	16
0020	20	5 - 10	20

Higher supply performance possible if required.
We reserve the right to make technical modifications.



Heating/cooling performance

Model	Heating surface load				Total cooling surface
	9kW	12kW	18 kW	24kW	
HK 15-9	1.7 W/cm ²	2.3 W/cm ²	1.7 W/cm ²	2.3 W/cm ²	0.19 m ²
HK 2000	1.7 W/cm ²	2.3 W/cm ²	1.7 W/cm ²	2.3 W/cm ²	0.66 m ²
HK 3002	1.7 W/cm ²	2.3 W/cm ²	1.7 W/cm ²	2.3 W/cm ²	1.32 m ²



System data

System	Width	Height	Length	Connection	Connection value
Single circuit	370 mm	850 mm	1070 mm	½"	1x0.45 kW + Heating
Double circuit	370 mm	1065 mm	1070 mm	½"	2x0.45 kW+ Heating
Quadruple circuit	790 mm	1115 mm	1070 mm	½"	4x0.45 kW+ Heating



System specifications

System	Model	Temperature range	Cooling	Heating	
Single circuit	HK 15-9	20 °C - 250 °C	65 kW	9 kW	
	HK 15-9 D	20 °C - 350 °C		12 kW	
				18 kW	
				24 kW	
	HK 2000	20 °C - 250 °C 20 °C - 350 °C		85 kW	9 kW
				105 kW	12 kW
				18 kW 24 kW	
Double circuit	HK 1502	20 °C - 250 °C	2 x 65 kW	2 x 9 kW	
		20 °C - 350 °C	2 x 75 kW	2 x 12 kW 2 x 18 kW 2 x 24 kW	
	HK 1502 D	20 °C - 250 °C 20 °C - 350 °C		2 x 85 kW	2 x 9 kW
				2 x 105 kW	2 x 12 kW 2 x 18 kW 2 x 24 kW
Quadruple circuit	HK 1504	20 °C - 250 °C	4 x 65 kW	4 x 9 kW	
		20 °C - 350 °C	4 x 75 kW	4 x 12 kW 4 x 18 kW 4 x 24 kW	
	HK 2004	20 °C - 250 °C 20 °C - 350 °C		4 x 85 kW	4 x 9 kW
				4 x 105 kW	4 x 12 kW 4 x 18 kW 4 x 24 kW
Single circuit for preheating hydraulic fluids	HK 2000	20 °C - 70°C		36 kW	

Operating voltage for all standard equipment is 400V / 230V / 50Hz / 3p

Circulating medium for heating and cooling devices approx. 8 litres per circuit