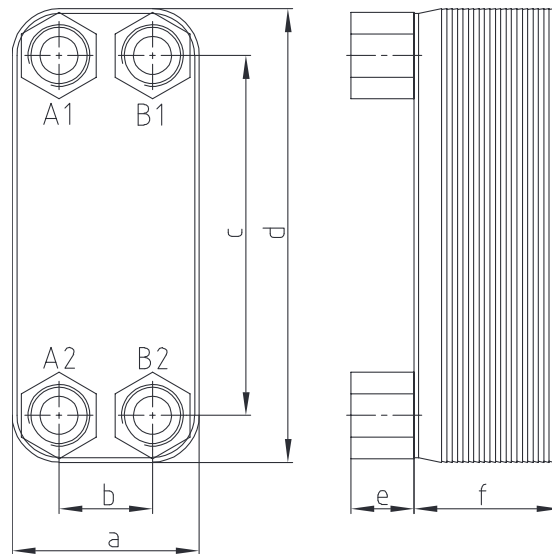
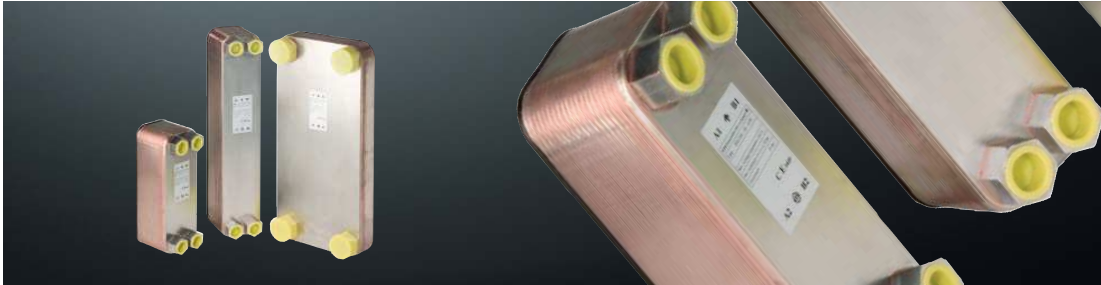


Oil/water cooler PHE Cooling systems

High power density in a tight space



Technical data

Plate heat exchanger made of stainless steel 1.4401 soldered to copper. The stamped plates generate a high power density in a tight space. Compared to a bundle of pipes heat exchanger, the plate heat exchanger only requires approx. 25 % - 30 % of space with less weight. Applications are, as an example, machine tools, test benches, moulding machines, pump units, waste heat utilization, etc. It is possible to use other media like, for example, oil, water glycol, water, refrigerating agents, air, etc.

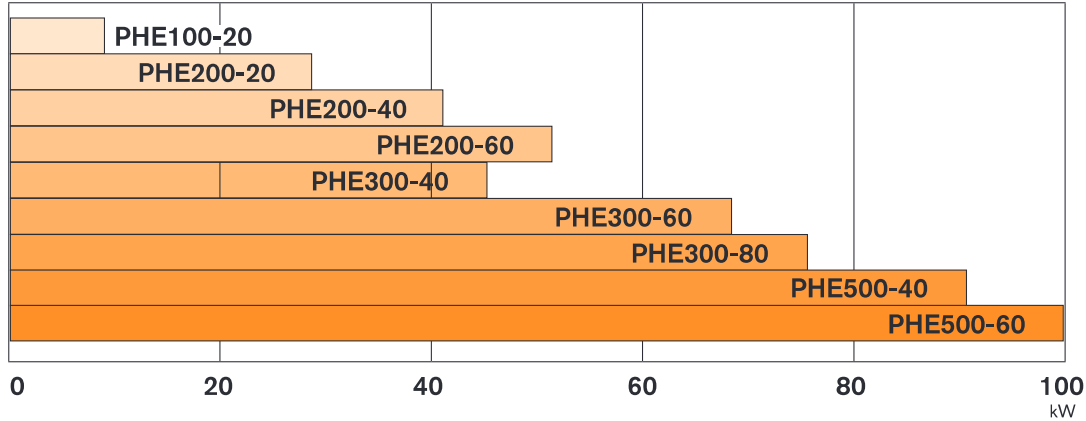
Operating temperature: -10 °C to +200 °C.

Please observe boiling point and freezing point!

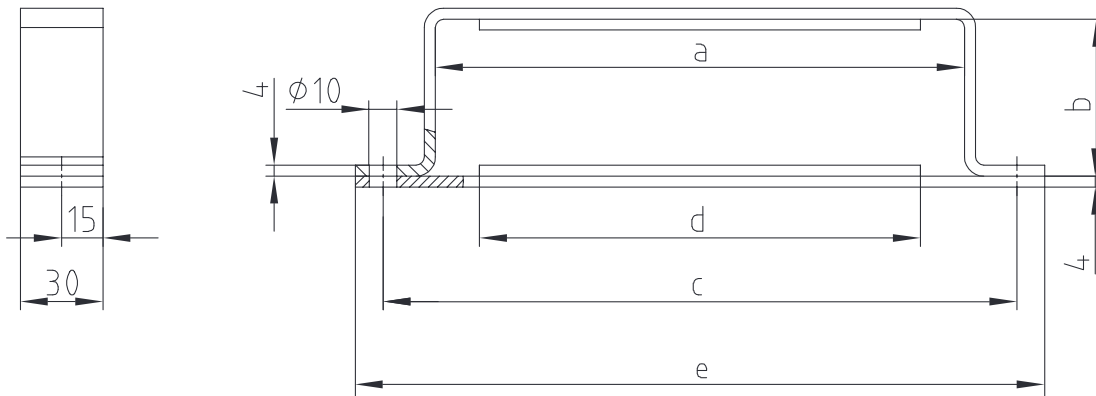
Maximum permissible operating pressure: PHE 100: 10 bar / PHE 200 - 500: 30 bar

Plate heat exchanger										
Series	Type	Thread	Plates	a	b	c	d	e	f	
PHE	100	4 x 3/4"	20	73	40	154	191	24	52	
PHE	200	4 x 1"	20						55	
PHE	200	4 x 1"	40	116	72	243	286	24	103	
PHE	200	4 x 1"	60						151	
PHE	300	4 x 1"	40						107	
PHE	300	4 x 1"	60	107	50	466	523	24	155	
PHE	300	4 x 1"	80						203	
PHE	500	4 x 1 1/2"	40						103	
PHE	500	4 x 1 1/2"	60	191	92	519	616	30	151	

Ordering example:	PHE	100	20
	PHE = Plate heat exchanger	Size	Number of plates

Cooling capacity


Type	Oil temperature switched on [°C]	Water temperature switched on [°C]	Oil flow [l/min]	Water flow [l/min]	Max. volume flow [l/min]
PHE100-20			60	30	66
PHE200-20			120	60	
PHE200-40			160	80	
PHE200-60			180	100	
PHE300-40	60	20	120	60	200
PHE300-60			160	100	
PHE300-80			160	140	
PHE500-40			180	100	
PHE500-60			180	120	580



From size PHE 200 we recommend 2 retainers per cooler.

Fastening retainer					
	a	b	c	d	e
BH100-20	80	56	114	75	134
BH200/300-20		59			
BH200/300-40		107			
BH200/300-60	120	155	150	118	170
BH200/300-80		207			
BH500-40		107			
BH500-60	200	155	235	193	260