Thermal Systems/Special Ranges
E-Series / Plate Heat Exchangers





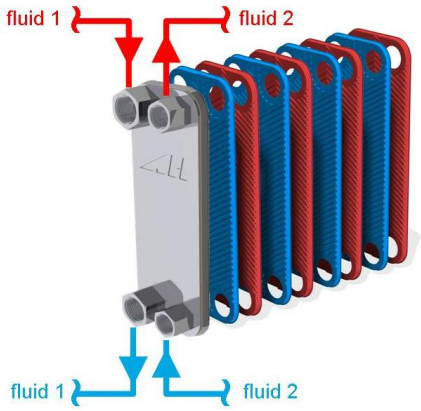

be different.
make a difference.

Special Ranges
Brazed Plate Heat Exchangers / E-Series

Construction

The Plate Heat Exchangers ASA-PL is designed for hydraulic fluid and lubricating.
The benefits of plate hate exchangers are:

- strength
- installation dimension
- efficiency
- low maintenance



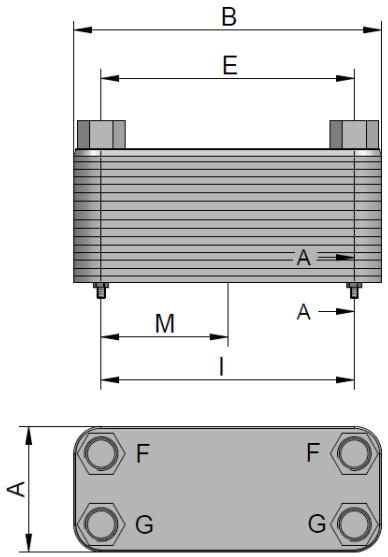
Design

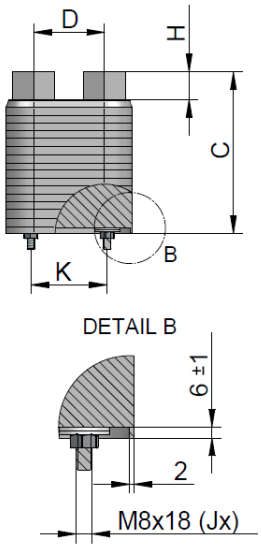
The structure of the ASA-PL cooling surfaces, i. thin, profiled plates made of acid-proof stainless steel (1.4306) is compact and powerful. The plates are profiled on the one hand to achieve optimum heat transfer and on the other hand to form channels in which oil or water is guided. The plate pack has a cover plate on each side. The entire heat exchanger is soldered together at the outer edges and at the inner points of contact. The cooler can be installed in a feed pump circuit and in return lines with large pressure variations. This product is also suitable for water, air and gas.

Standard Range

Our standard range of plate heat exchanger covers a large field of applications to ensure you competitive pricing, high quality and short delivery times. Contact us for more information and non standard coolers to work out the optimal solution for you.

Technical Data





material		
	plates	steel 1.4306
	upper plate	steel 1.4306
	connectors	steel 1.4306
	solder	copper
temperature		
	max.working temperature	-160°C to +200 °C
pressure		
	test pressure	43 bar
	max. pressure	30 bar

order number	description	A	B	C	D	E	F	G	H	I	J	K	M	weight
		[mm]	[mm]	[mm]	[mm]	[mm]			[mm]	[mm]	#bolt	[mm]	[mm]	[kg]
ILWPL10014EK	ASA – PL 10-14 E	73	205	65,5	42	172	G ½"	G ½"	27	120	2	-	-	1,8
ILWPL20020EK	ASA – PL 20-20 E	80	194	85	40	154	G ¾"	G ¾"	27	150	2	-	-	1,6
ILWPL22030EK	ASA – PL 22-30 E	106	306	111,5	50	250	G 1"	G ¾"	27	250	4	40	-	5,2
ILWPL22060EK	ASA – PL 22-60 E	106	306	183,5	50	250	G 1"	G ¾"	27	250	4	40	-	8,8
ILWPL40050EK	ASA – PL 40-50 E	124	304	159,5	70	250	G 1"	G 1"	27	250	4	75	-	8,5
ILWPL53020EK	ASA – PL 53-20 E	124	504	87,5	64	444	G 1"	G 1"	27	450	4	75	-	8,3
ILWPL53040EK	ASA – PL 53-40 E	124	504	135,5	64	444	G 1"	G 1"	27	450	4	75	-	13,1
ILWPL53060EK	ASA – PL 53-60 E	124	504	183,5	64	444	G 1"	G 1"	27	450	4	75	-	17,9
ILWPL70020EK	ASA – PL 70-20 E	246	528	86,5	174	456	G 1½"	G 1½"	27	420	6	150	210	17,6
ILWPL70060EK	ASA – PL 70-60 E	246	528	182,5	174	456	G 1½"	G 1½"	27	420	6	150	210	39,9
ILWPL70120EK	ASA – PL 70-120 E	246	528	326,5	174	456	G 1½"	G 1½"	27	420	6	150	210	69,6
ILWPL70160EK	ASA – PL 70-160 E	246	528	422,5	174	456	G 1½"	G 1½"	27	420	6	150	210	90,4

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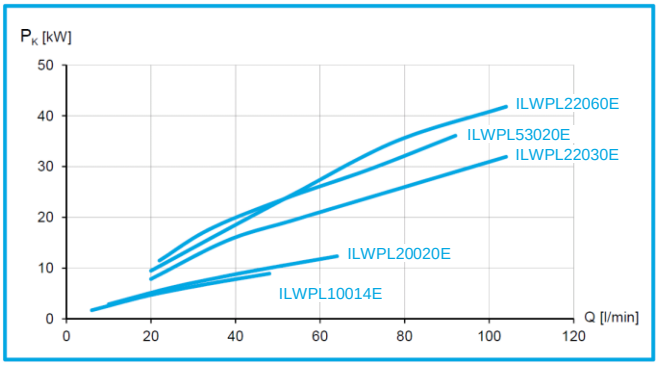
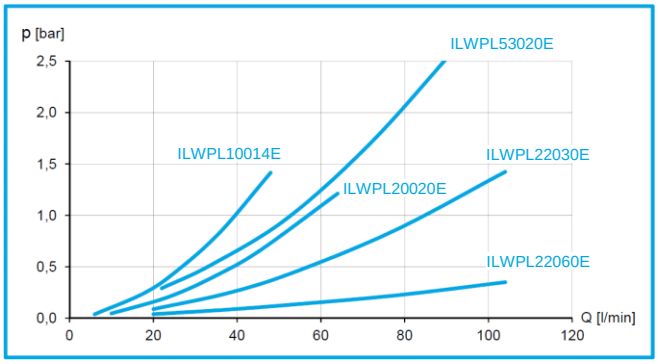
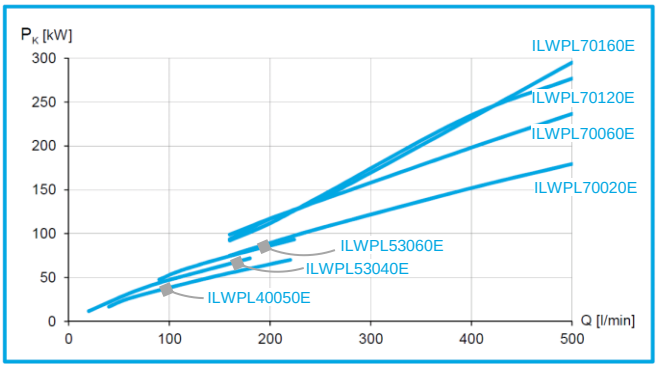
The shown performance curves created at an oil / water ratio of 2:1 with hydraulic oil ISO VG 32 at an oil inlet temperature of 60°C and a water entrance of 20°C. Please contact us for other technical parameters to select the optimal cooler for you.

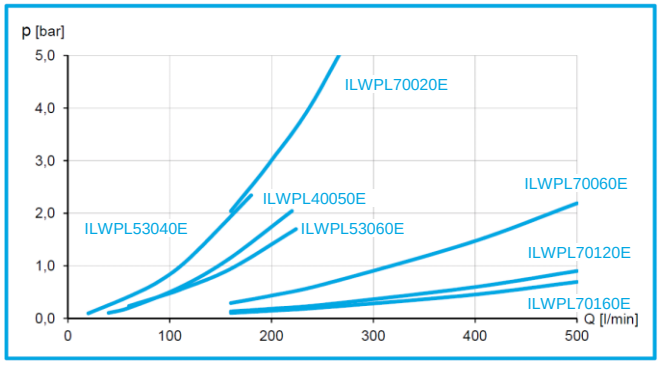
colling performance



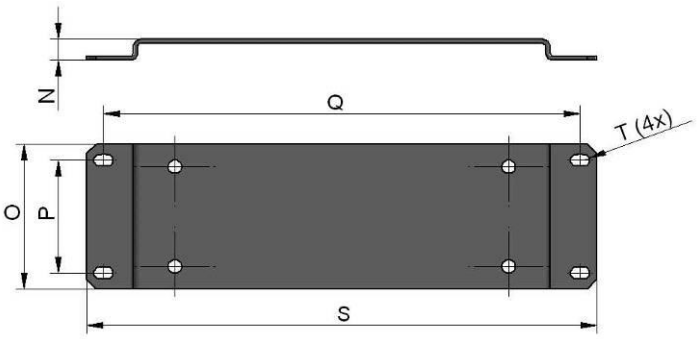
pressure drops (oil side)







Mounting brackets



cooler number with mounting brackets
ILWPL10014EP
ILWPL20020EP
ILWPL22030EP
ILWPL22060EP
ILWPL40050EP
ILWPL53020EP
ILWPL53040EP
ILWPL53060EP
ILWPL70020EP
ILWPL70060EP
ILWPL70120EP
ILWPL70160EP

order number	description	N	O	P	Q	S	T slot hole	weight
		[mm]	[mm]	[mm]	[mm]	[mm]		[kg]
ILWPZMON10	ASA – PL 10-14E	16	58	33	228	253	9 x 15	0,3
ILWPZMON20	ASA – PL 20-20E	16	70	50	255	280	9 x 15	0,5
ILWPZMON22	ASA – PL 22-__E	16	74	50	350	375	9 x 15	0,7
ILWPZMON40	ASA – PL 40-50E	16	109	85	357	382	9 x 15	1,0
ILWPZMON53	ASA – PL 53-__E	16	107	85	555	580	9 x 15	1,5
ILWPZMON70	ASA – PL 70-__E	16	254	230	552	580	11 x 20	3,5

Please contact us for details or get further information at www.asahydraulik.com or support@asahydraulik.com
Please read the manual before operating

asa

Thermal Systems
Connection Technology
Fluid Controls

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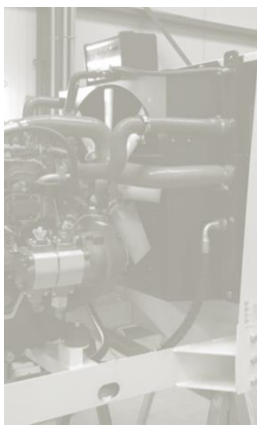
make a difference.





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