

E series

brazed plate heat exchangers

Brazed Plate Heat Exchangers

E Series

Progress In Cooling

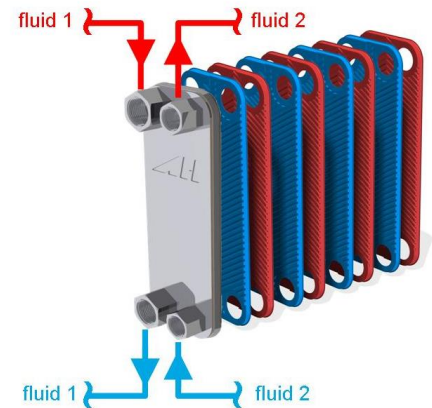
The asa E plate heat exchanger is designed for both cooling and heating applications. It is commonly used to cool hydraulic fluid and lubricating oil and can be used for water, air, steam and gas applications.

The benefits of asa E plate heat exchangers are:

- strength
- safety
- downsizing
- high thermal efficiency
- low maintenance
- no gaskets – no leaks

Design

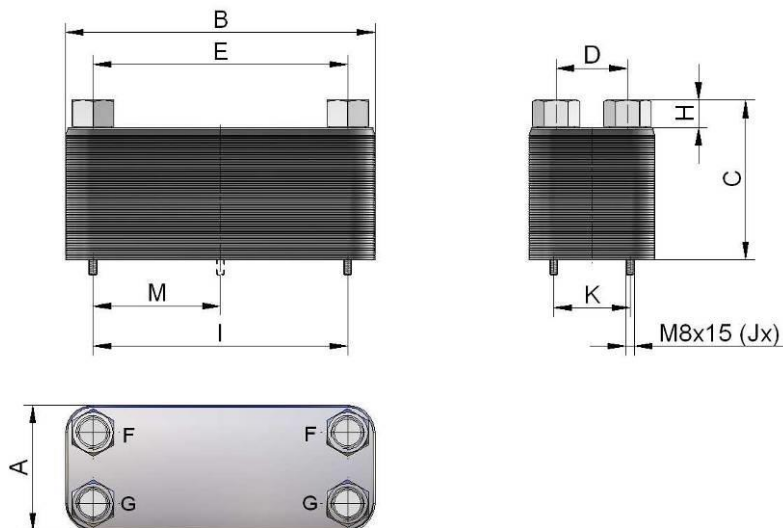
The asa E plate heat exchanger is designed for maximum heat transfer using profiled plates of acid proof stainless steel. The plates form channels through which oil and water pass (alternating every other channel). At the front and back side of the plate package there are cover plates. The cooler plates are brazed together at all outer and inner points of contact. The cooler can be installed in charge-pump circuits as well as in return lines with high pressure variations.



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.

Scale Drawing



material

plates	steel 1.4401
upper plate	steel 1.4301
connectors	steel 1.4301
solder	copper CW004A

pressure

test pressure	43 bar
max. working pressure	30 bar

Technical Data

order number	description	A	B	C	D	E	F	G	H	I	J	K	M	weight
		[mm]	[mm]	[mm]	[mm]	[mm]			[mm]	[mm]	# of bolts	[mm]	[mm]	[kg]
ILWPL10014EK	ASA – PL 10-14 E	73	205	64,5	42	172	G 1/2"	G 1/2"	27	120	2	-	-	1,8
ILWPL20020EK	ASA – PL 20-20 E	80	194	82	40	154	G 3/4"	G 3/4"	27	150	2	-	-	2,3
ILWPL22030EK	ASA – PL 22-30 E	106	306	109	50	250	G 1"	G 3/4"	27	250	4	40	-	6,1
ILWPL40050EK	ASA – PL 40-50 E	124	304	157	70	250	G 1"	G 1"	27	250	4	75	-	10,2
ILWPL53020EK	ASA – PL 53-20 E	124	504	85	64	444	G 1"	G 1"	27	450	4	75	-	8,8
ILWPL53040EK	ASA – PL 53-40 E	124	504	133	64	444	G 1"	G 1"	27	450	4	75	-	13,1
ILWPL53060EK	ASA – PL 53-60 E	124	504	181	64	444	G 1"	G 1"	27	450	4	75	-	18,4
ILWPL70060EK	ASA – PL 70-60 E	246	528	182,	174	456	G 1 1/2"	G 1 1/2"	27	420	6	150	210	39,9

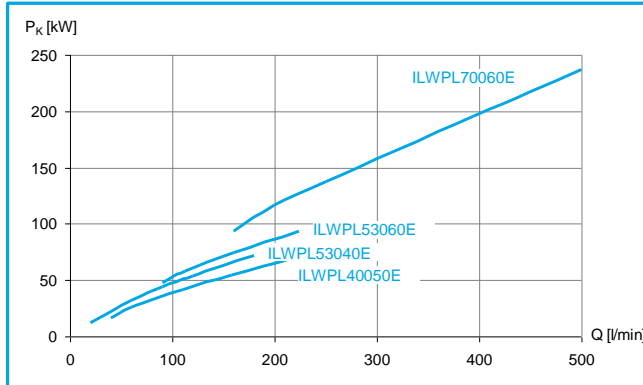
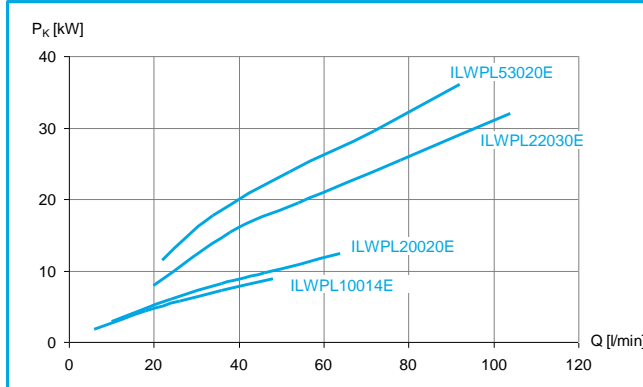
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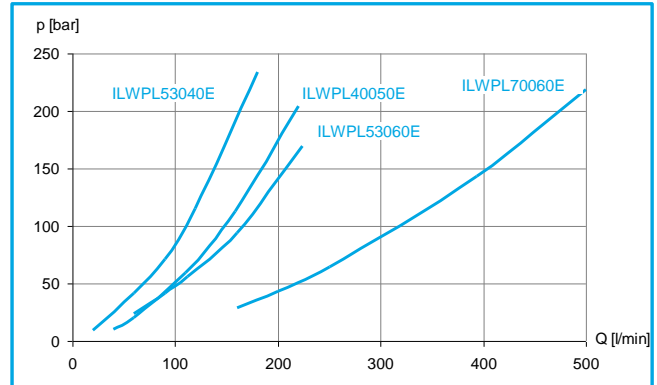
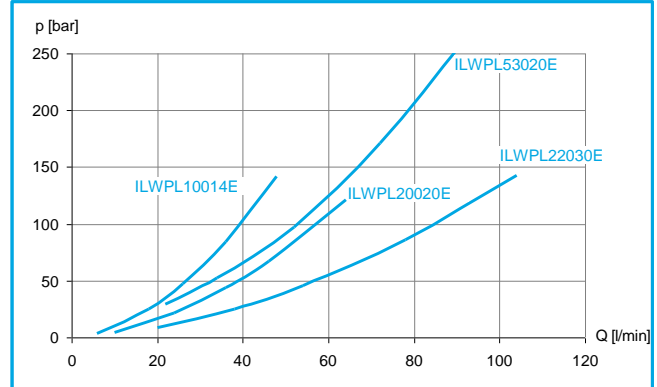
Performance

The shown performance curves were created with an oil/water ratio of 2:1 with hydraulic oil ISO VG32 at an oil inlet temperature of 60°C and a water inlet of 20°C. Please contact us for other technical parameters to select the optimal cooler for you.

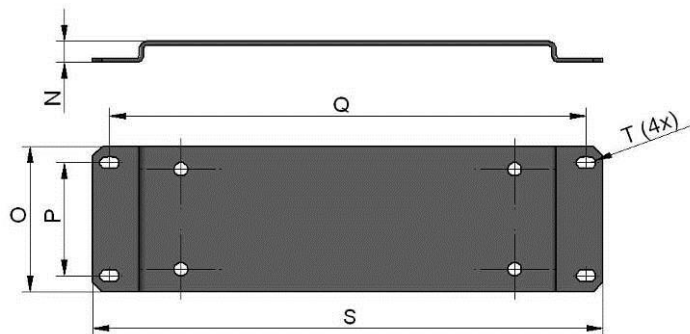
cooling performance



pressure drop



Mounting Brackets



cooler type	order number bracket	N	O	P	Q	S	T slot hole	weight	cooler order number
		[mm]	[mm]	[mm]	[mm]	[mm]		[kg]	with mounted bracket
ILWPL10014EK	ILWPZMON10	16	58	33	228	253	9 x 15	0,3	ILWPL10014EP
ILWPL20020EK	ILWPZMON20	16	70	50	255	280	9 x 15	0,5	ILWPL20020EP
ILWPL22030EK	ILWPZMON22	16	74	50	350	375	9 x 15	0,7	ILWPL22030EP
ILWPL40050EK	ILWPZMON40	16	109	85	357	382	9 x 15	1,0	ILWPL40050EP
ILWPL53020EK	ILWPZMON53	16	107	85	555	580	9 x 15	1,5	ILWPL53020EP
ILWPL53040EK	ILWPZMON53	16	107	85	555	580	9 x 15	1,5	ILWPL53040EP
ILWPL53060EK	ILWPZMON53	16	107	85	555	580	9 x 15	1,5	ILWPL53060EP
ILWPL70060EK	ILWPZMON70	16	254	230	552	580	11 x 20	3,5	ILWPL70060EP

Please contact us to select the optimal options or get further information at www.asahydraulik.com or support@asahydraulik.com.

Please read manual before installation!



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progress in cooling



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