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

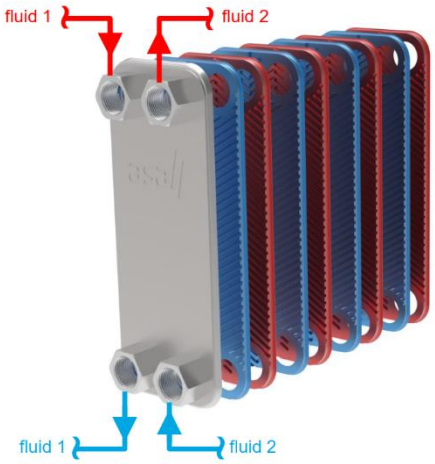
be different.
make a difference.

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



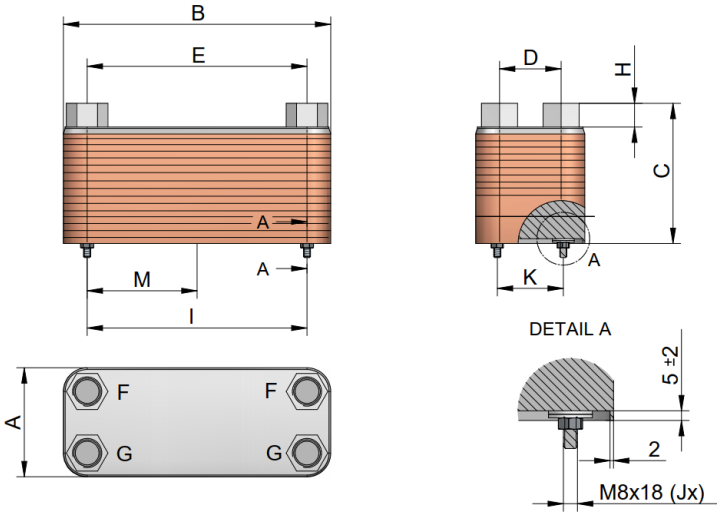
Design

The 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. 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.

Dimensions



material

plates	steel 1.4401
cover plates	steel 1.4306
connectors	steel 1.4306
solder	copper

temperature

working temperature range	-160°C to +200 °C

pressure

test pressure	43 bar
max. 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]	#bolt	[mm]	[mm]	[kg]
ILWPL10014EK	ASA – PL 10-14 E	73	205	65,5	42	172	G ½"	G ½"	27	120	2	-	-	1,4
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
ILWPL45020EK	ASA – PL 45-20 E	106	522	85,6	50	466	G 1"	G 1"	27	450	4	75	-	6,9
ILWPL45060EK	ASA – PL 45-60 E	106	522	180,8	50	466	G 1"	G 1"	27	450	4	75	-	15,1
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
ILWPL65030EK	ASA – PL 65-30 E	186	613	113	92	519	G 1 ½"	G 1 ½"	27	540	6	120	270	19,0
ILWPL65060EK	ASA – PL 65-60 E	186	613	185	92	519	G 1 ½"	G 1 ½"	27	540	6	120	270	31,1
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	38,4
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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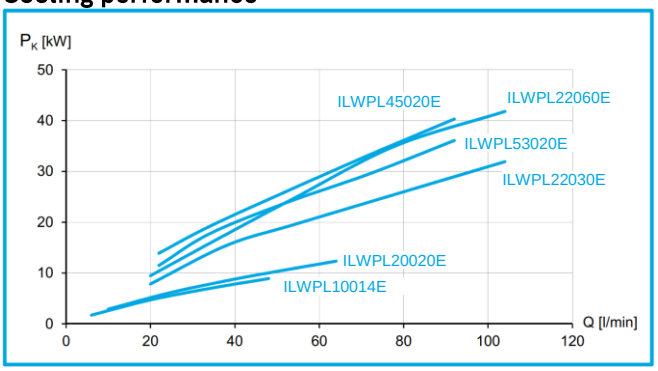
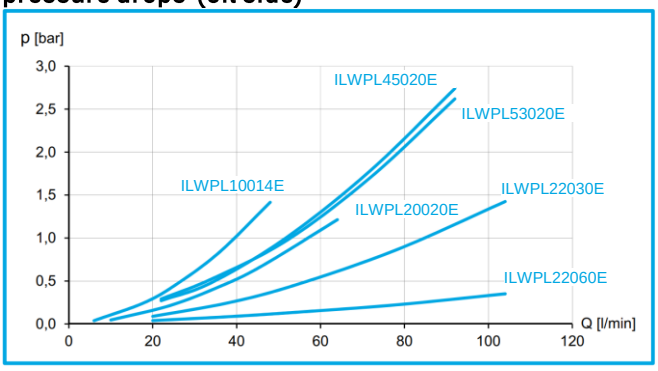
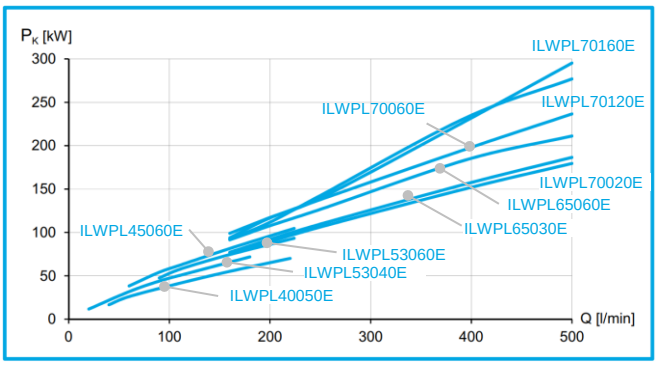
The shown performance curves are created at an oil/ water ratio of 2:1 with hydraulic oil ISO VG 32 at an oil inlet temperature of 60°C and a water entrance of 20°C. Please contact us for other technical parameters to select the optimal cooler for you.

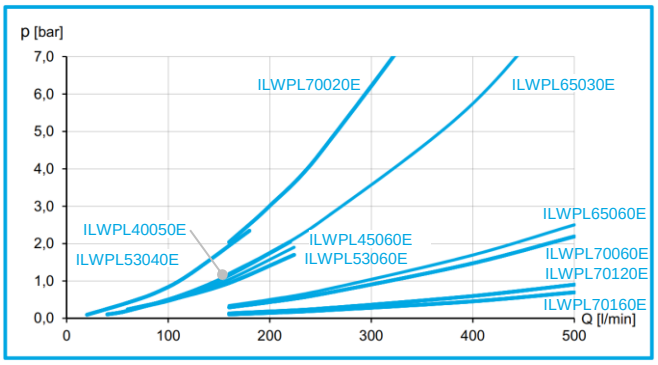
Cooling performance



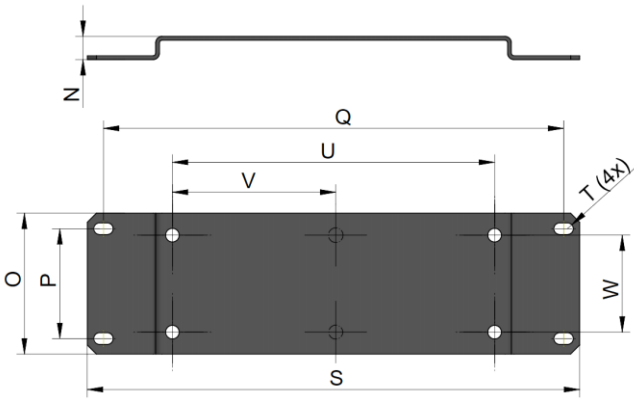
pressure drops (oil side)







Mounting brackets



cooler number with mounting brackets	included
ILWPL10014EP	ILWPZMON10
ILWPL20020EP	ILWPZMON20
ILWPL22030EP	ILWPZMON22
ILWPL22060EP	
ILWPL40050EP	ILWPZMON40
ILWPL45020EP	ILWPZMON53
ILWPL45060EP	
ILWPL53020EP	
ILWPL53040EP	
ILWPL53060EP	
ILWPL65030EP	ILWPZMON65
ILWPL65060EP	
ILWPL70020EP	ILWPZMON70
ILWPL70060EP	
ILWPL70120EP	
ILWPL70160EP	

order number	description	N	O	P	Q	S	T slot hole	U	V	W	weight
		[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[kg]
ILWPZMON10	Mounting plate PL10-	18	58	33	228	253	9 x 15	120	-	-	0,4
ILWPZMON20	Mounting plate PL20-	18	70	50	255	280	9 x 15	150	-	-	0,5
ILWPZMON22	Mounting plate PL22-	18	74	50	350	375	9 x 15	250	-	40	0,7
ILWPZMON40	Mounting plate PL40-	18	109	85	357	382	9 x 15	250	-	75	1,0
ILWPZMON53	Mounting plate PL53-	18	107	85	555	580	9 x 15	450	-	75	1,5
ILWPZMON65	Mounting plate PL65-	18	160	120	640	680	11 x 20	540	270	120	2,6
ILWPZMON70	Mounting plate PL70-	18	254	230	552	580	11 x 20	420	210	150	3,3

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

asa

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Connection Technology
Fluid Controls

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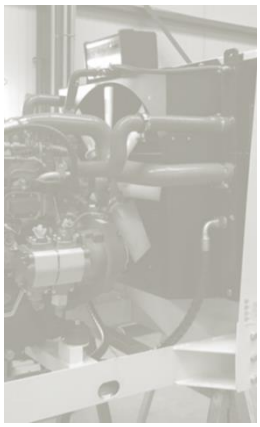
make a difference.





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