



heat exchangers

brazed plate heat exchangers

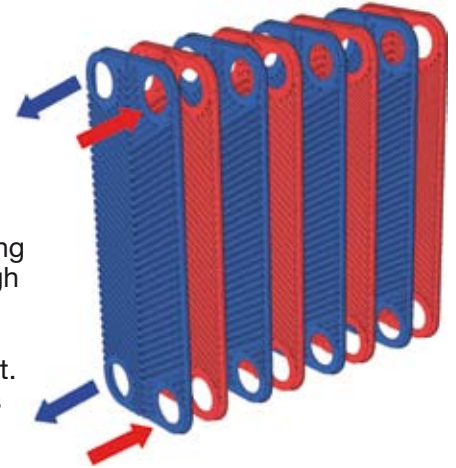
Brazed Plate Heat Exchangers

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
- less size required
- cost-effectiveness
- safety
- no gaskets – no leaks
- high thermal efficiency
- low maintenance



Design

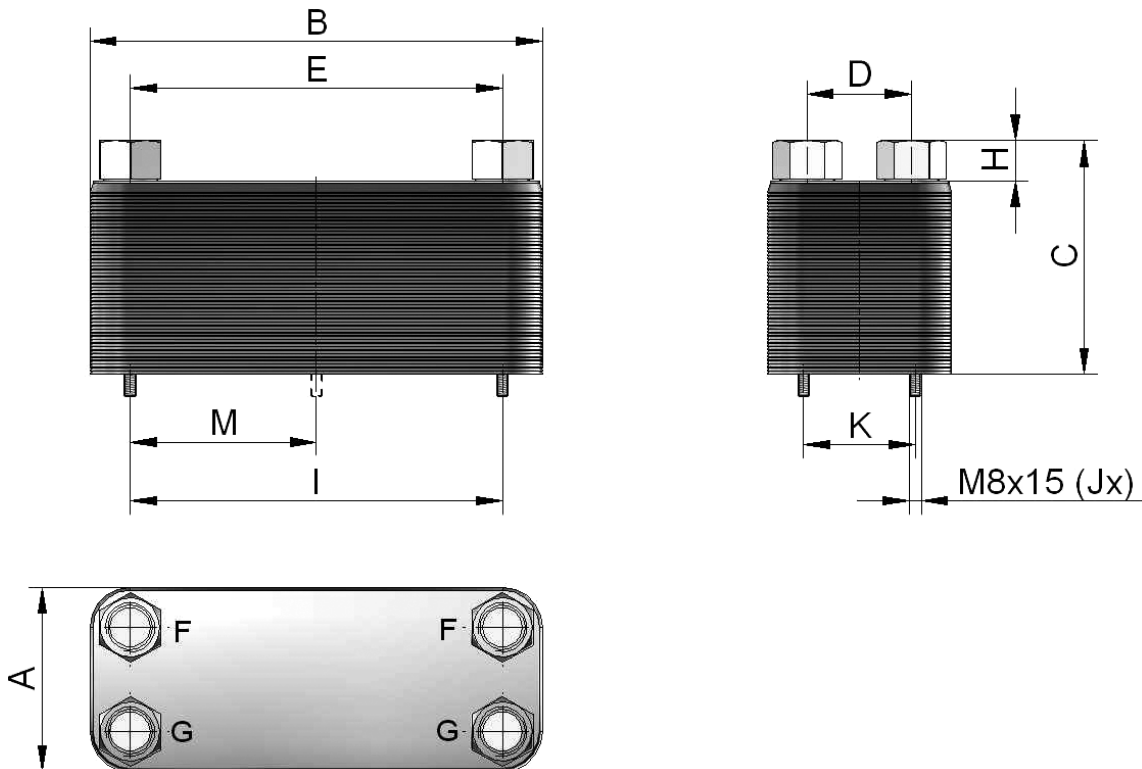
The ASA E plate heat exchanger is designed for maximum heat transfer using profiled plates of acid proof stainless steel. The plates form channels through which oil and water pass (alternating every other channel). At the front and back side of the plate package there are cover plates.

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.

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 (1.4401), upper plate (1.4301), connectors (1.4301), solder (CW004A)
 test pressure: 43 bar
 maximum pressure: 30 bar

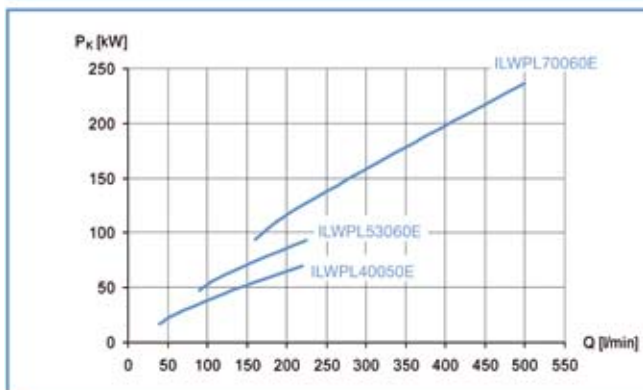
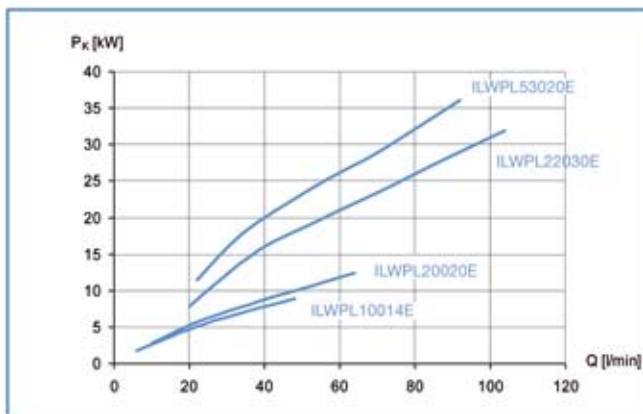
This data sheet shows a technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually. The information in this data sheet is intended to be used as a first general guideline only. asa assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. The cooling performance and the general technical values indicated in this catalogue are measured at a test bench according to asa testing procedures. Because there is no standardized testing procedure, tests used by other manufacturers could have different results. Due to different conditions in testing and application environments the cooling performance may also vary by +/- 15%. Therefore we recommend all coolers to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as well as for pressure peaks and thermal stress and any other relevant factors.

order number	description	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F	G
ILWPL10014E	ASA - PL 10-14 E	73	205	64,5	42	172	G 1/2"	G 1/2"
ILWPL20020E	ASA - PL 20-20 E	80	194	82	40	154	G 3/4"	G 3/4"
ILWPL22030E	ASA - PL 22-30 E	106	306	109	50	250	G 1"	G 3/4"
ILWPL40050E	ASA - PL 40-50 E	124	304	157	70	250	G 1"	G 1"
ILWPL53020E	ASA - PL 53-20 E	124	504	85	64	444	G 1"	G 1"
ILWPL53060E	ASA - PL 53-60 E	124	504	181	64	444	G 1"	G 1"
ILWPL70060E	ASA - PL 70-60 E	246	528	182,5	174	456	G 1 1/2"	G 1 1/2"

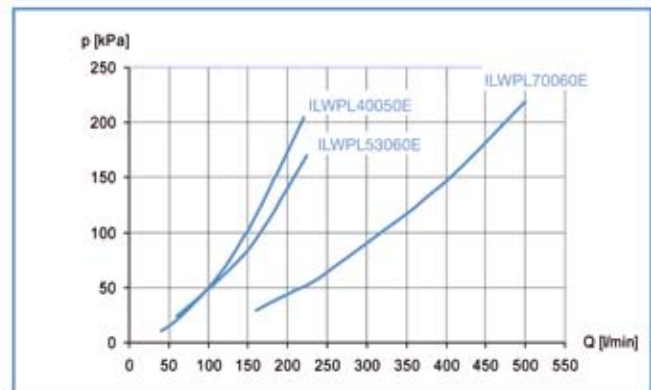
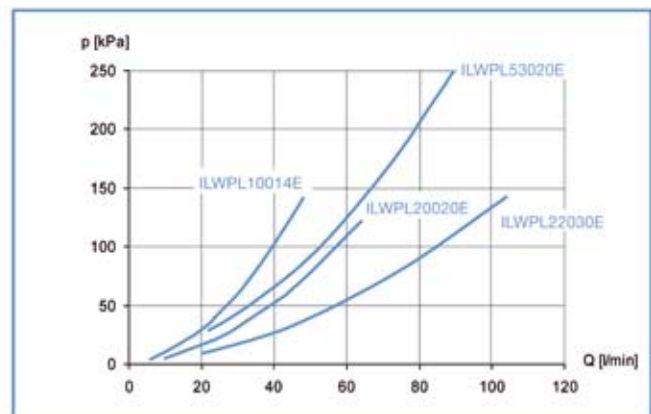
order number	description	H [mm]	J number of bolts	I [mm]	K [mm]	M [mm]	weight [kg]
ILWPL10014E	ASA - PL 10-14 E	27	2	120	-	-	1,8
ILWPL20020E	ASA - PL 20-20 E	27	2	120	-	-	2,3
ILWPL22030E	ASA - PL 22-30 E	27	4	250	40	-	6,1
ILWPL40050E	ASA - PL 40-50 E	27	4	250	75	-	10,2
ILWPL53020E	ASA - PL 53-20 E	27	4	450	75	-	8,8
ILWPL53060E	ASA - PL 53-60 E	27	4	450	75	-	18,4
ILWPL70060E	ASA - PL 70-60 E	27	6	420	150	210	38,9

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.

cooling performances

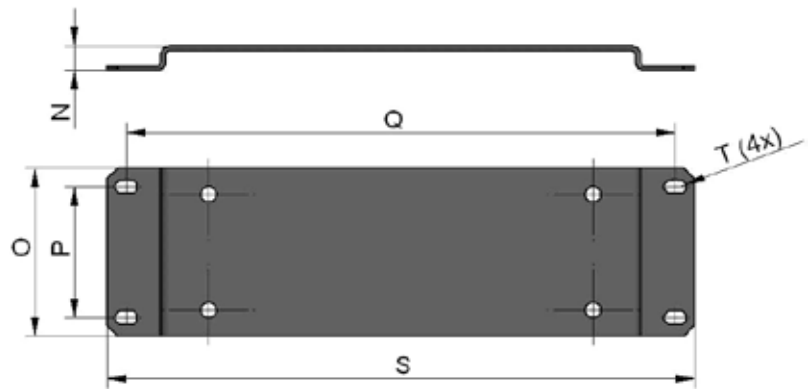


pressure drops



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Mounting Brackets



cooler description	order number of mounting bracket	N [mm]	O [mm]	P [mm]	Q [mm]	S [mm]	T slot hole [mm]	weight [kg]
ILWPL10014E	ILWPZMON10	16	58	33	228	253	9 x 15	0,3
ILWPL20020E	ILWPZMON20	16	70	50	255	280	9 x 15	0,5
ILWPL22030E	ILWPZMON22	16	74	50	350	375	9 x 15	0,7
ILWPL40050E	ILWPZMON40	16	109	85	357	382	9 x 15	1,0
ILWPL53020E	ILWPZMON53	16	107	85	555	580	9 x 15	1,5
ILWPL53060E	ILWPZMON53	16	107	85	555	580	9 x 15	1,5
ILWPL70060E	ILWPZMON70	16	254	230	552	580	11 x 20	3,5



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progress in cooling



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