

POOL

HEAT EXCHANGERS



POOL HEAT EXCHANGERS

Special design of our pool heat exchangers boosts heat transfer and delivers better utilization of heat source. Equipped with straight tubes all of the models ensure low pressure loss thus saving energy. Corrugated straight tubes promote turbulent flow which further intensifies heat exchange and helps reduce fouling.

Cutting-edge technology and durable materials such as titanium and stainless steel, make our heat exchangers resistant to corrosive environments. They can be used with all types of pool water – either treated or salt.



WHY CHOOSE **HEXONIC** POOL HEAT EXCHANGERS?



HIGH
PERFORMANCE



EASY
INSTALLATION



OUTSTANDING
RELIABILITY



COMPATIBLE WITH
ALL TYPES OF POOL
INSTALLATIONS



COMPATIBLE
WITH ALL TYPES
OF HEATING



CAIRO USER-FRIENDLY CAIRO
SELECTION SOFTWARE MAKES
THE SELECTION PROCESS EASY

HEAT EXCHANGERS

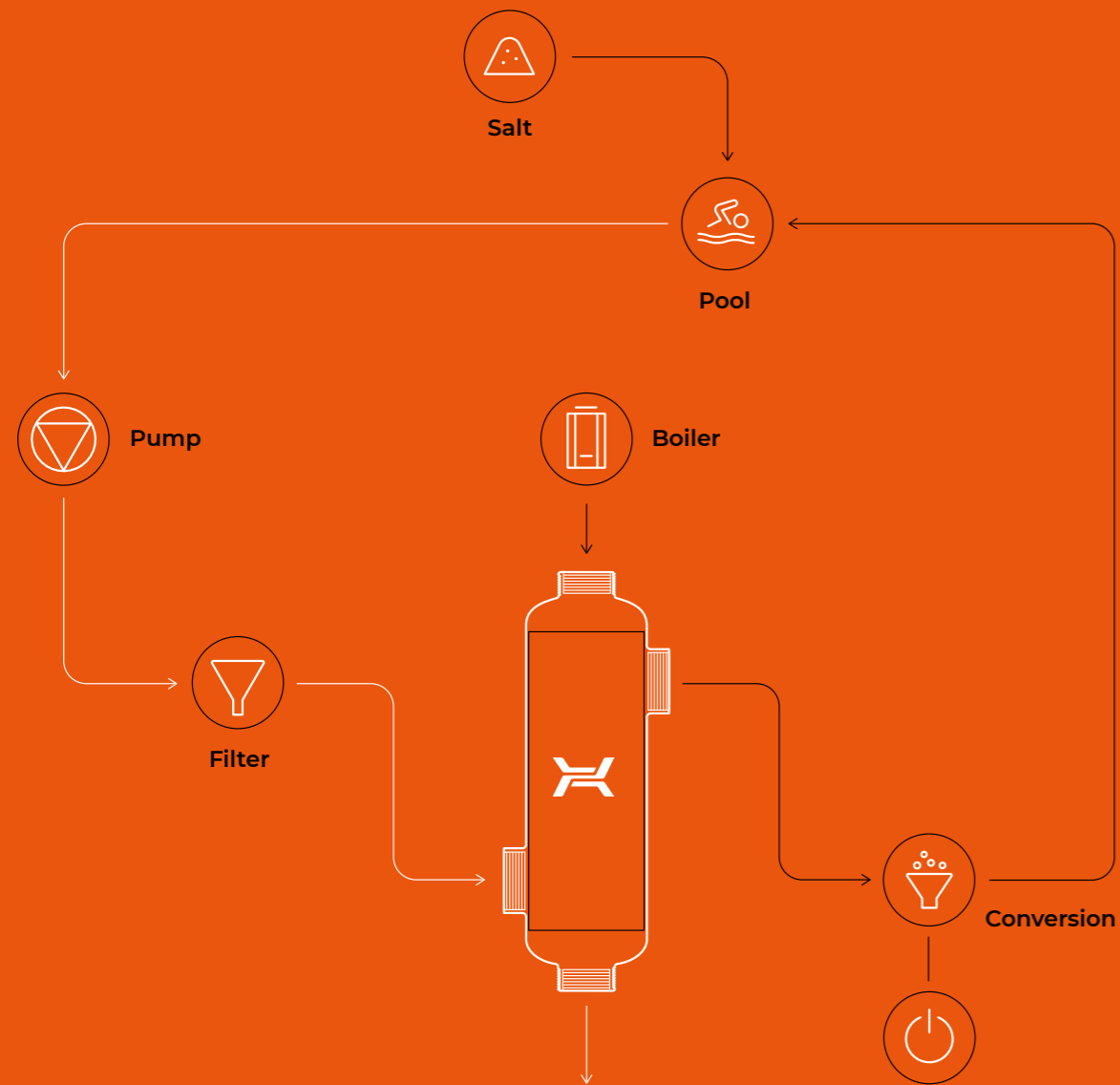


DIAGRAM OF SALT WATER POOL WITH A HEXONIC POOL HEAT EXCHANGER

APPLIANCE

Pool	HEAT EXCHANGER TYPE			
	B	REV	TI	JAG
Public pool	💧💧	💧💧	💧	💧💧
Private pool	💧💧	💧💧	💧	💧
Olympic-size pool	💧💧	💧💧	💧	💧💧💧
Kids' pool	💧💧	💧💧	💧	💧
Hot tubs /SPA pools	💧	💧💧	💧💧	💧
Salt water pool	—	💧💧💧	💧💧💧	💧
Water park	💧💧	💧💧	💧	💧💧

Heat source type	HEAT EXCHANGER TYPE			
	B	REV	TI	JAG
Condensing boiler	💧	💧💧	💧	💧💧
Coal boiler	💧💧	💧💧	💧	💧
Geothermal water	—	💧💧	💧💧💧	💧
Heat pump	💧	💧💧	💧	💧💧
Solar system	💧	💧💧	💧	💧💧
District heating	💧💧	💧💧	💧	💧💧

💧 possibility 💧💧 best choice 💧💧💧 necessity

B

POOL HEAT EXCHANGERS

B pool heat exchangers are characterized by high thermal efficiency. They are the perfect solution in high-flow systems, in particular pool systems of different types and sizes.

B type exchangers are shell and tube exchangers equipped with straight corrugated tubes. They can be used in systems with high medium flow in comparison to transferred thermal power. It is a proven solution for pool and solar systems or small oil preheating systems.

The use of corrugated tubes intensifies heat exchange and increases self-cleaning possibilities. Compact, welded B type exchangers are highly durable and reliable.

DESIGN



HIGH VOLUME FLOW
AT LOW PRESSURE LOSS;
NO NEED OF BY-PASS



COMPACT SIZE



CORRUGATED
TUBES INTENSIFY
HEAT EXCHANGE
AND REDUCE
FOULING



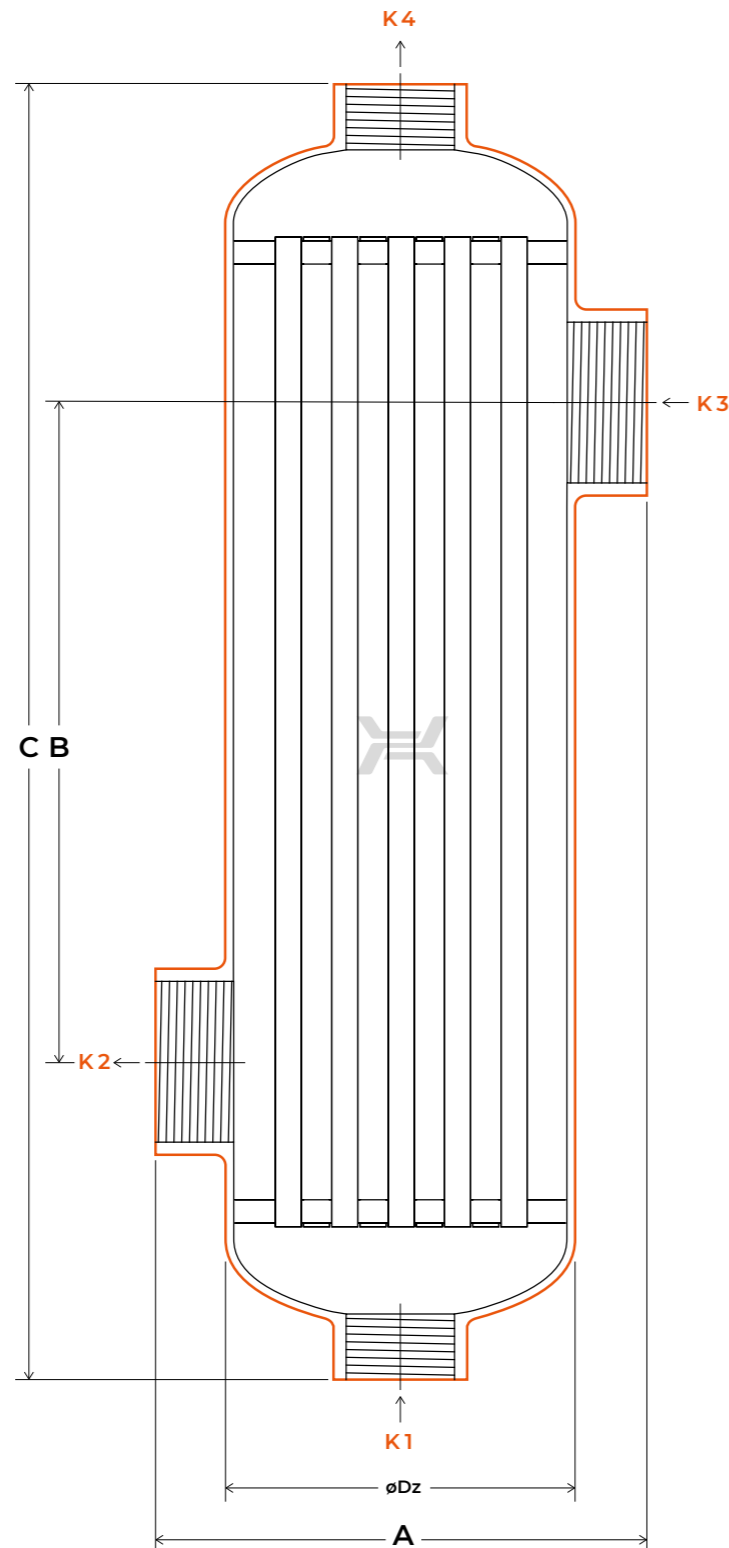
RESISTANCE
TO AGGRESSIVE
SUBSTANCES
IN POOL WATER
(E.G. FLUORINE,
CHLORINE)



TECHNICAL DATA

STANDARD LOCATION OF CONNECTIONS

- K1 / K4** — inlet / outlet heat source – internal thread
- K3 / K2** — inlet / outlet pool water – internal thread



Type	Connection size	
	K1, K4	K2, K3

B45	G $\frac{3}{4}$ "	G1"
B70	G $\frac{3}{4}$ "	G1 $\frac{1}{2}$ "
B130	G $\frac{3}{4}$ "	G1 $\frac{1}{2}$ "
B180	G1"	G1 $\frac{1}{2}$ "
B250	G1"	G1 $\frac{1}{2}$ "
B300	G1"	G1 $\frac{1}{2}$ "
B500	G1"	G2"
B1000	G2"	G2"

WORKING PARAMETERS

MAX. TEMPERATURE — 165°C / 329°F
 MAX. PRESSURE — 16 BAR / 232 PSI

TECHNICAL PARAMETERS

Type	Dimensions								Heat exchange area	Tube diameter	Weight	Tube side capacity		Shell side capacity	
	A	B	C	$\varnothing Dz$	Tube side capacity	Shell side capacity									

mm	in	mm	in	mm	in	mm	in	m ²	ft ²	mm	in	kg	lb	l	gal	l	gal
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B45	122	4.8	75	3.0	289,5	11.4	80	3.1	0,1	1.2	8	0.3	2,1	4.6	0,5	0,1	0,5	0,1
B70	122	4.8	175	6.9	389,5	15.3	80	3.1	0,2	1.9	8	0.3	3	6.6	0,6	0,2	0,8	0,2
B130	122	4.8	225	8.9	439,5	17.3	80	3.1	0,2	2.5	8	0.3	3,3	7.3	0,7	0,2	1,0	0,3
B180	143,6	5.7	193	7.6	379	14.9	101,6	4.0	0,4	4.1	8	0.3	4,6	10.1	1,2	0,3	1,4	0,4
B250	143,6	5.7	323	12.7	509	20.0	101,6	4.0	0,6	5.9	8	0.3	5,8	12.8	1,5	0,4	2,0	0,5
B300	143,6	5.7	451	17.8	637	25.1	101,6	4.0	0,7	7.9	8	0.3	7,3	16.1	1,8	0,5	2,6	0,7
B500	143,6	5.7	884	34.8	1103	43.4	101,6	4.0	1,4	14.7	8	0.3	12,4	27.3	2,8	0,7	4,8	1,3
B1000	190	7.5	680	26.8	943	37.1	139,7	5.5	2,0	21.2	8	0.3	23,5	51.8	4,6	1,2	7,8	2,1

All dimensions and technical data are approximate only and may be changed without further notice.

MAX. HEAT LOAD

MAX. HEAT LOAD													
Heat source temperature inlet		Pool water temperature inlet		B45		B70		B130		B180			
°C	°F	°C	°F	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h
40	104	20	68	6	20	10	34	10	34	16	55	20	68
50	122	20	68	10	34	16	55	18	63	26	89	32	109
60	140	20	68	14	48	22	75	26	89	36	122	44	150
70	158	20	68	18	61	28	96	34	116	46	155	56	190
80	176	20	68	22	75	34	116	42	143	56	190	68	230
90	194	20	68	26	89	40	136	50	170	66	225	80	270
				m ³ /h	gal/h	m ³ /h	gal/h	m ³ /h	gal/h	m ³ /h	gal/h	m ³ /h	gal/h
Pool water	Flow			12	3 170	12	3 170	12	3 170	12	3 170	15	3 963
Heat source	Flow			3	793	3	793	3	793	4	1 057	5	1 321
				kPa	psi	kPa	psi	kPa	psi	kPa	psi	kPa	psi
Pool water	Pressure drop			14	2.0	12	1.7	15	2.2	7	1.0	11	1.6
Heat source	Pressure drop			2	0.3	3	0.4	4	0.6	2	0.3	3	0.4
Pool capacity [m ³]				up to 15		15–25		25–40		40–55			

All dimensions and technical data are approximate only and may be changed without further notice.

MAX. HEAT LOAD															
B250				B300				B500				B1000			
kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h
22	75	25	85	25	85	35	120	44	150	50	170	75	255	75	255
36	122	42	145	43	145	55	190	70	240	80	275	110	375	120	410
50	170	59	200	61	210	75	255	96	330	110	375	145	495	165	565
64	220	76	260	79	270	95	325	122	415	140	480	180	615	210	715
78	265	93	315	97	330	115	390	148	505	170	580	215	735	255	870
92	315	110	375	115	395	135	460	174	595	200	680	250	855	300	1 025
105	365	127	435	131	450	155	530	192	660	230	790	290	990	350	1 195
120	415	144	495	147	510	175	600	216	750	260	890	330	1 135	400	1 365
135	465	161	555	165	570	195	670	234	810	290	990	370	1 275	450	1 535
150	515	178	615	181	630	215	740	252	870	320	1 110	410	1 385	500	1 705
165	565	195	675	195	690	235	810	270	930	350	1 230	450	1 495	550	1 875
180	615	212	735	209	750	255	880	288	990	380	1 320	490	1 605	600	2 045
195	665	229	795	223	810	275	950	306	1 050	410	1 410	530	1 715	650	2 215
210	715	246	855	237	870	295	1 020	324	1 110	440	1 500	570	1 825	700	2 385
225	765	263	915	251	930	315	1 090	342	1 170	470	1 590	610	1 935	750	2 555
240	815	280	975	265	990	335	1 160	360	1 230	500	1 680	650	2 045	800	2 725
255	865	297	1 035	279	1 050	355	1 230	378	1 290	530	1 770	690	2 155	850	2 895
270	915	314	1 095	293	1 110	375	1 300	396	1 350	560	1 860	730	2 265	900	3 065
285	965	331	1 155	307	1 170	395	1 370	414	1 410	590	1 950	770	2 375	950	3 235
300	1 015	348	1 215	321	1 230	415	1 440	432	1 470	620	2 040	810	2 485	1 000	3 405
315	1 065	365	1 275	335	1 290	435	1 510	450	1 530	650	2 130	850	2 595	1 050	3 575
330	1 115	382	1 335	349	1 350	455	1 580	468	1 590	680	2 220	890	2 705	1 100	3 745
345	1 165	399	1 395	363	1 410	475	1 650	486	1 650	710	2 310	930	2 815	1 150	3 915
360	1 215	416	1 455	377	1 470	495	1 720	504	1 710	740	2 400	970	2 925	1 200	4 085
375	1 265	433	1 515	391	1 530	515	1 790	522	1 770	770	2 490	1 010	3 035	1 250	4 255
390	1 315	450	1 575	405	1 590	535	1 860	540	1 830	800	2 580	1 050	3 145	1 300	4 425
405	1 365	467	1 635	419	1 650	555	1 930	558	1 890	830	2 670	1 090	3 255	1 350	4 595
420	1 415	484	1 695	433	1 710	575	2 000	576	1 950	860	2 760	1 130	3 365	1 400	4 765
435	1 465	501	1 755	447	1 770	595	2 070	594	2 010	890	2 850	1 170	3 475	1 450	4 935
450	1 515	518	1 815	461	1 830	615	2 140	612	2 070	920	2 940	1 210	3 585	1 500	5 105
465	1 565	535	1 875	475	1 890	635	2 210	630	2 130	950	3 030	1 250	3 695	1 550	5 275
480	1 615	552	1 935	489	1 950	655	2 280	648	2 190	980	3 120	1 290	3 805	1 600	5 445
495	1 665	569	1 995	503	2 010	675	2 350	666	2 250	1 010	3 210	1 330	3 915	1 650	5 615
510	1 715	586	2 055	517	2 070	695	2 420	684	2 310	1 040	3 300	1 370	4 025	1 700	5 785
525	1 765	603	2 115	531	2 130	715	2 490	702	2 370	1 070	3 390	1 410	4 135	1 750	5 955
540	1 815	620	2 175	545	2 190	735	2 560	720	2 430	1 100	3 480	1 450	4 245	1 800	6 125
555	1 865	637	2 235	559	2 250	755	2 630	738	2 490	1 130	3 570	1 490	4 355	1 850	6 295
570	1 915	654	2 295	573	2 310	775	2 700	756	2 550	1 160	3 660	1 530	4 465	1 900	6 465
585	1 965	671	2 355	587	2 370	795	2 770	774	2 610	1 190	3 750	1 570	4 575	1 950	6 635
600	2 015	688	2 415	601	2 430	815	2 840	792	2 670	1 220	3 840	1 610	4 685	2 000	6 805
615	2 065	705	2 475	615	2 490	835	2 910	810	2 730	1 250	3 930	1 650	4 795	2 050	6 975
630	2 115	722	2 535	629	2 550	855	2 980	828	2 790	1 280	4 020	1 690	4 905	2 100	7 145
645	2 165	739	2 595	643	2 610	875	3 050	846	2 850	1 310	4 110	1 730	5 015	2 150	7 315
660	2 215	756	2 655	657	2 670	895	3 120	864	2 910	1 340	4 200	1 770	5 125	2 200	7 485
675	2 265	773	2 715	671	2 730	915	3 190	882	2 970	1 370	4 290	1 810	5 235	2 250	7 655
690	2 315	790	2 775	685	2 790	935	3 260	900	3 030	1 400	4 380	1 850	5 345	2 300	7 825
705	2 365	807	2 835	699	2 850	955	3 330	918	3 090	1 430	4 470	1 890	5 455	2 350	7 995
720	2 415	824	2 895	713	2 910	975	3 400	936	3 150	1 460	4 560	1 930	5 565	2 400	8 165
735	2 465	841	2 955	727	2 970	995	3 470	954	3 210	1 490	4 650	1 970	5 675	2 450	8 335
750	2 515	858	3 015	741	3 030	1 015	3 540	972	3 270	1 520	4 740	2 010	5 785	2 500	8 505
765	2 565	875	3 075	755	3 090	1 035	3 610	990	3 330	1 550	4 830	2 050	5 895	2 550	8 675
780	2 615	892	3 135	769	3 150	1 055	3 680	1 008	3 390	1 580	4 920	2 090	6 005	2 600	8 845
795	2 665	909	3 195	783	3 210	1 075	3 750	1 026	3 450	1 610	5 010	2 130	6 115	2 650	9 015
810	2 715	926	3 255	797	3 270	1 095	3 820	1 044	3 510	1 640	5 100	2 170	6 225	2 700	9 185
825	2 765	943	3 315	811	3 330	1 115	3 890	1 062	3 570	1 670	5 190	2 210	6 335	2 750	9 355
840	2 815	960	3 375	825	3 390	1 135	3 960	1 080	3 630	1 700	5 280	2 250	6 445	2 800	9 525
855	2 865	977	3 435	839	3 450	1 155	4 030	1 098	3 690	1 730	5 370	2 290	6 555	2 850	9 695
870	2 915	994	3 495	853	3 510	1 175	4 100	1 116	3 750	1 760	5 460	2 330	6 665	2 900	9 865
885	2 965	1 011	3 555	867	3 570	1 195	4 170	1 134	3 810	1 790	5 550	2 370	6 775	2 950	10 035
900	3 015	1 028	3 615	881	3 630	1 215	4 240	1 152	3 870	1 820	5 640	2 410	6 885	3 000	10 205
915	3 065	1 045	3 675	895	3 690	1 235	4 310	1 170	3 930	1 850	5 73				

REV

POOL HEAT EXCHANGERS

REV pool heat exchangers achieve very high heat exchange coefficient thanks to the 3-pass tube bundle.

REV heat exchangers are intended for use mainly in swimming pool installations. The main priority in their design was to improve heat exchange conditions. This was achieved by using the 3-pass design of the tube bundle, which results in better utilization of source thermal power. Additionally, thanks to the short path of pool water (heated medium) through the exchanger, the flow speed remains high.

Corrugated tubes increase flow turbulence, which further intensifies heat transfer. REV heat exchangers are made in two material versions – stainless steel or titanium. REV works perfectly with heat pumps, solar panels, but also standard heat sources, e.g. gas-fired boilers.

DESIGN



SALT WATER



UNIQUE 3-PASS TUBE BUNDLE ENABLES BETTER UTILIZATION OF THE HEAT SOURCE AND CREATES EXCEPTIONAL HEAT EXCHANGE RESULTS



LITTLE PRESSURE LOSS ON THE SHELL SIDE (POOL WATER)



EXCELLENT TO WORK WITH HEAT PUMPS AND SOLAR PANELS



TITANIUM VERSIONS – SUITABLE FOR SALT WATER POOLS



CORRUGATED TUBES INCREASE FLOW TURBULENCE WHICH FURTHER INTENSIFIES HEAT EXCHANGE



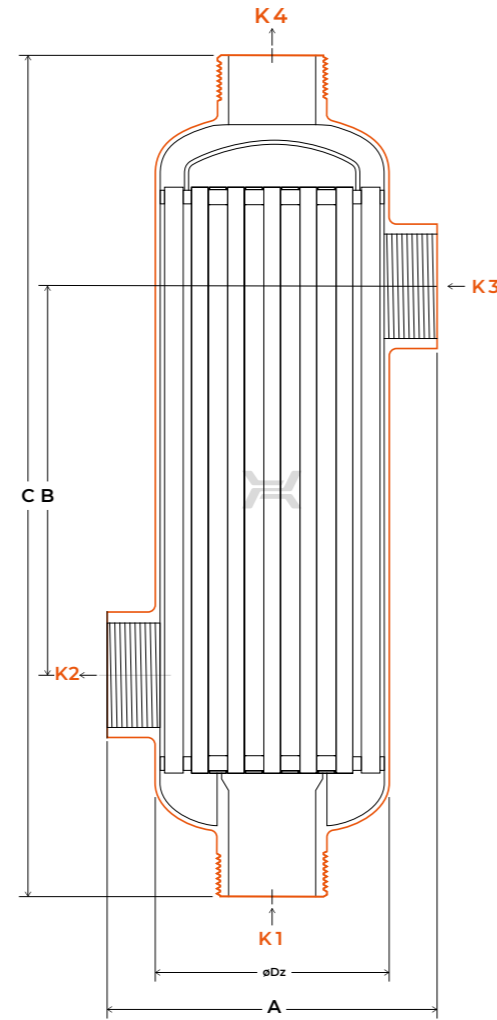
TECHNICAL DATA

STANDARD LOCATION OF CONNECTIONS

- K1 / K4** — inlet / outlet heat source external thread G1½"
- K3 / K2** — inlet / outlet pool water internal thread G1½"

WORKING PARAMETERS

- MAX. TEMPERATURE — 150°C / 302°F
- MIN. TEMPERATURE — -20°C / -4°F
- MAX. PRESSURE — 16 BAR / 232 PSI



TECHNICAL PARAMETERS

Type	Dimensions								Heat exchange area	Tube diameter		Weight		Tube side capacity		Shell side capacity		
	A		B		C		ØDz			mm	in	kg	lb	l	gal	l	gal	
	mm	in	mm	in	mm	in	mm	in										
REV250S	140	5.5	170	6.7	353	13.9	101,6	4	0,3	3,2	8	0,3	3,8	8,4	0,8	0,2	1,3	0,3
REV350S	140	5.5	270	10.6	453	17.8	101,6	4	0,4	4,4	8	0,3	4,8	10,6	1,0	0,3	1,8	0,5
REV500S	140	5.5	420	16.5	603	23.7	101,6	4	0,6	6,3	8	0,3	6,3	13,9	1,3	0,3	2,5	0,7
REV750S	140	5.5	670	26.4	853	33.6	101,6	4	0,9	9,5	8	0,3	8,7	19,2	1,7	0,5	3,8	1,0
REV1000S	140	5.5	920	36.2	1103	43.4	101,6	4	1,2	12,7	8	0,3	11,1	24,5	2,2	0,6	5,0	1,3

REV250T	140	5.5	170	6.7	353	13.9	101,6	4	0,3	3,2	8	0,3	2,1	4,7	0,8	0,2	1,3	0,3
REV350T	140	5.5	270	10.6	453	17.8	101,6	4	0,4	4,4	8	0,3	2,7	5,9	1,0	0,3	1,8	0,5
REV500T	140	5.5	420	16.5	603	23.7	101,6	4	0,6	6,3	8	0,3	3,5	7,8	1,3	0,3	2,5	0,7
REV750T	140	5.5	670	26.4	853	33.6	101,6	4	0,9	9,5	8	0,3	4,9	10,7	1,7	0,5	3,8	1,0
REV1000T	140	5.5	920	36.2	1103	43.4	101,6	4	1,2	12,7	8	0,3	6,2	13,7	2,2	0,6	5,0	1,3

S – Stainless Steel T – Titanium

All dimensions and technical data are approximate only and may be changed without further notice.

MAX. HEAT LOAD

Heat source temperature inlet		Pool water temperature inlet		MAX. HEAT LOAD									
				REV250		REV350		REV500		REV750		REV1000	
°C	°F	°C	°F	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h	kW	kBtu/h
40	104	32	90	11	38	17	58	22	75	32	110	37	125
		30	86	14	48	20	68	27	92	40	135	46	155
50	122	32	90	26	89	38	130	50	170	72	245	83	285
		30	86	29	100	42	145	55	188	79	270	92	315
60	140	36	97	37	125	52	175	68	230	96	330	110	375
		38	100	34	115	48	165	63	215	88	300	105	360

		m³/h		gal/h		m³/h		gal/h		m³/h		gal/h		m³/h		gal/h	
Pool water	Flow	10	2 642	10	2 642	12	3 170	13	3 434	15	3 963						
		Heat source	3	793	3.5	925	3.5	925	4	1 057	4	1 057					

		kPa		psi		kPa		psi		kPa		psi		kPa		psi	
Pool water	Pressure drop	20	2.9	20	2.9	29	4.2	34	4.9	45	6.5						
		Heat source	12	1.7	17	2.5	20	2.9	30	4.4	35	5.1					

Pool capacity [m³]	40-70	60-110	80-120	110-160	150-200
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TI

POOL HEAT EXCHANGERS

TI titanium pool exchangers are intended for use in pool systems with salt water.

TI type exchangers are titanium exchangers intended for use in particular in demanding pool systems with mostly salt water. The use of titanium makes TI resistant to aggressive substances, such as salt, chlorine and fluorine, as well as high pressure and temperature.

The design of the exchangers makes them suited to operate in high-flow systems. Corrugated tubes cause turbulent flow, which intensifies heat exchange and reduces the possibility of sediment accumulation.

DESIGN



SALT WATER



CORRUGATED TUBES INTENSIFY HEAT EXCHANGE AND REDUCE FOULING



HIGH VOLUME FLOW AT LOW PRESSURE LOSS; NO NEED OF BY-PASS



RESISTANCE TO AGGRESSIVE SUBSTANCES IN POOL WATER (E.G. FLUORINE, CHLORINE)



SUITABLE FOR USE WITH SALT WATER



COMPACT SIZE



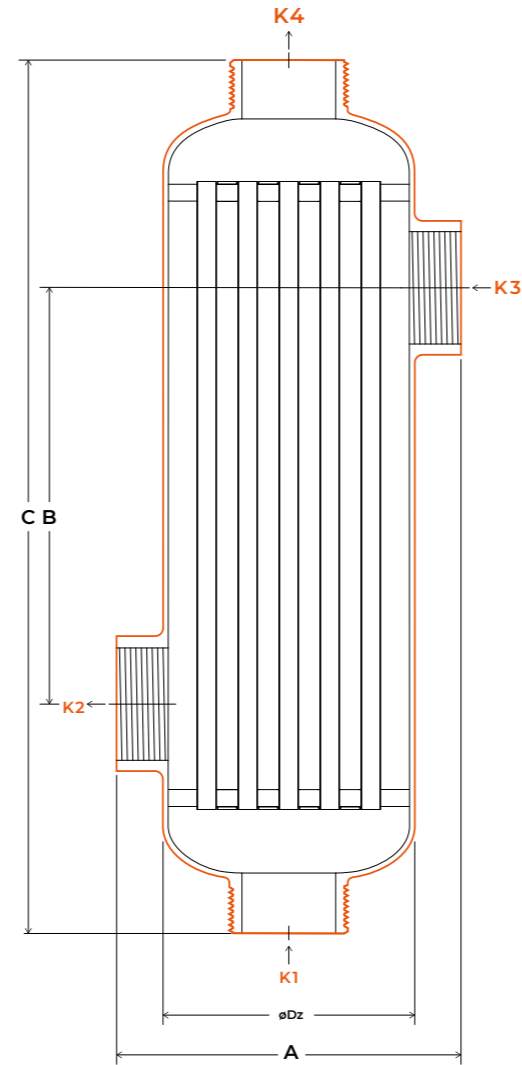
TECHNICAL DATA

STANDARD LOCATION OF CONNECTIONS

- K1 / K4** — inlet / outlet heat source external thread G1½"
- K3 / K2** — inlet / outlet pool water internal thread G1½"

WORKING PARAMETERS

MAX. TEMPERATURE — 110°C / 230 °F
 MAX. PRESSURE — 16 BAR / 232 PSI



TECHNICAL PARAMETERS

Type	Dimensions								Heat exchange area		Tube diameter		Weight		Tube side capacity		Shell side capacity	
	A		B		C		$\varnothing Dz$											
	mm	in	mm	in	mm	in	mm	in	m ²	ft ²	mm	in	kg	lb	l	gal	l	gal
TI250	140	5.5	170	6.7	357	14.1	101,6	4	0,34	3.7	8	0.3	2,2	4.9	0,9	0.2	1,2	0.3
TI350	140	5.5	270	10.6	457	18.0	101,6	4	0,48	5.2	8	0.3	2,7	6.0	1,2	0.3	1,6	0.4
TI500	140	5.5	420	16.5	607	23.9	101,6	4	0,69	7.4	8	0.3	3,8	8.3	1,5	0.4	2,3	0.6
TI750	140	5.5	670	26.4	857	33.7	101,6	4	1,04	11.2	8	0.3	5,3	11.7	2,1	0.5	3,5	0.9
TI1000	140	5.5	920	36.2	1107	43.6	101,6	4	1,38	14.9	8	0.3	6,8	15.0	2,6	0.7	4,7	1.2
TI2000	204	8.03	857	33.74	1141	44.92	139,7	5.5	2,4	25.8	8	0.3	12	26.46	5,5	1.45	9,53	2.52

All dimensions and technical data are approximate only and may be changed without further notice.

MAX. HEAT LOAD

MAX. HEAT LOAD													
Heat source temperature inlet		Pool water temperature inlet		TI250		TI350		TI500		TI750		TI1000	

°C	°F	°C	°F	kW		kBTu/h		kW		kBTu/h		kW		kBTu/h	
				kW	kBTu/h	kW	kBTu/h	kW	kBTu/h	kW	kBTu/h				
50	122	32	90	13	44	24	82	38	130	54	185	69	235		
		38	100	9	31	15	51	26	89	36	120	48	165		
60	140	32	90	23	78	37	126	66	225	86	295	115	390		
		38	100	18	61	30	102	50	170	71	240	90	305		
70	158	32	90	33	113	53	180	91	310	120	410	158	540		
		38	100	28	96	45	155	78	265	100	340	137	465		

m ³ /h		gal/h		m ³ /h		gal/h		m ³ /h		gal/h		m ³ /h		gal/h	
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Pool water	Heat source	Flow																			
		m ³ /h		gal/h		m ³ /h		gal/h		m ³ /h		gal/h		m ³ /h		gal/h					
		12	3 170	15	3 963	24	6 340	20	5 283	17	4 491	3	793	4	1 057	5	1 321	5	1 321	5.5	1 453

kPa		psi		kPa		psi		kPa		psi		kPa		psi	
-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--

Pool water	Heat source	Pressure drop																			
		kPa		psi		kPa		psi		kPa		psi		kPa		psi					
		9	1.3	18	2.6	58	8.4	59	8.6	58	8.4	1	0.1	2	0.3	4	0.6	6	0.9	7	1.0

Pool capacity [m ³]		40-70		70-100		90-150		130-180		160-220	
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JAG

PLATE & FRAME HEAT EXCHANGERS

From the passion for innovation a new product has been born – JAG Plate Heat Exchanger with inventive jagged pattern of a heating plate. Breaking new ground solution brings not only enhanced flow turbulence but also increased heat exchange area. Together it gives more compact, lighter but most of all more efficient device which can be customized to your individual requirements. Highly efficient JAG Plate Heat Exchanger will become a long-life dependable solution for your applications.

SALT WATER



INNOVATIVE
CORRUGATION
DESIGN

10%
↑

UP TO 10% HIGHER
HEAT TRANSFER
EFFICIENCY



ENHANCED FLOW
TURBULENCE

10%
↓

UP TO 10% LOWER
PRESSURE DROP FOR
HIGH FLOW PATTERN



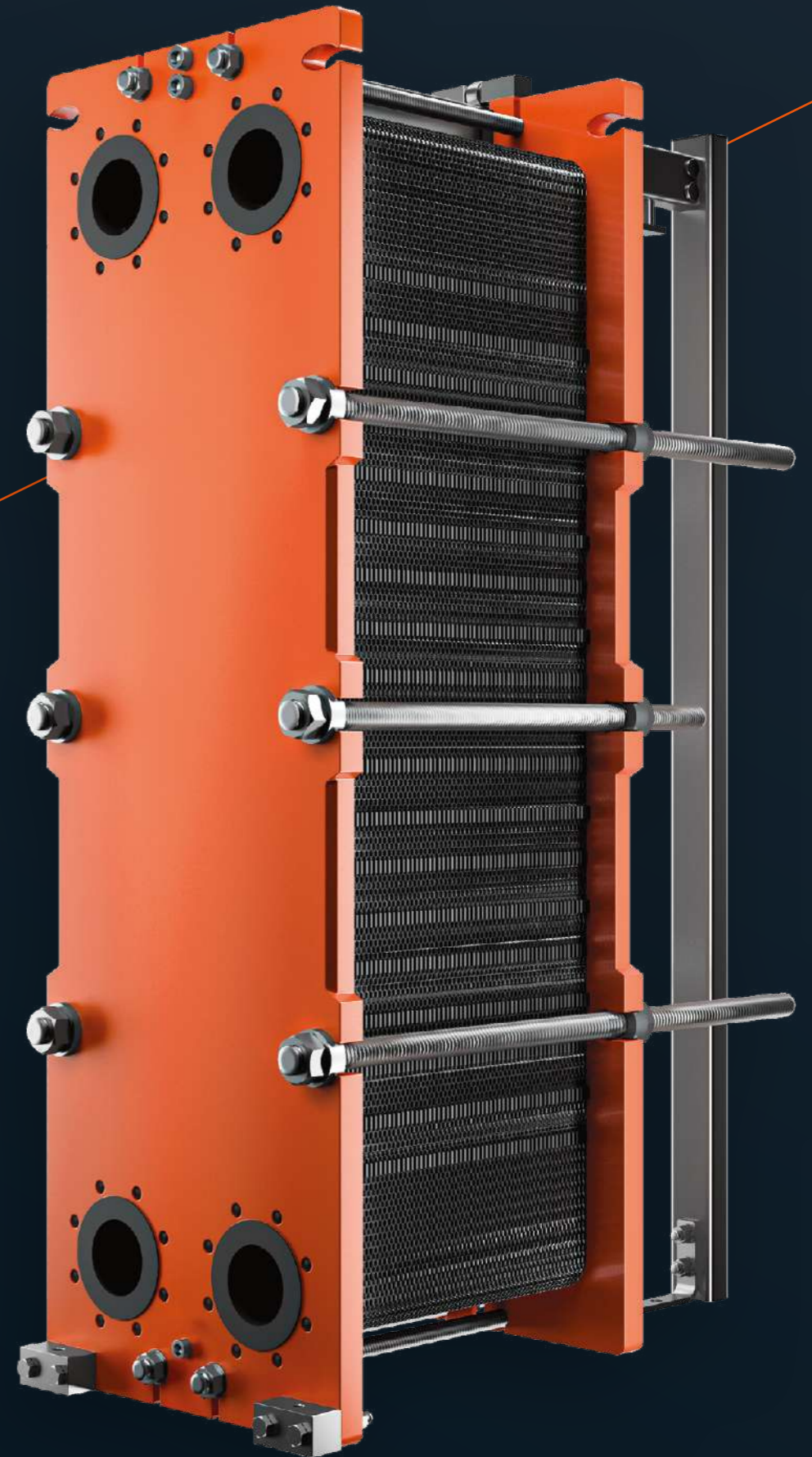
DECREASED
FOULING



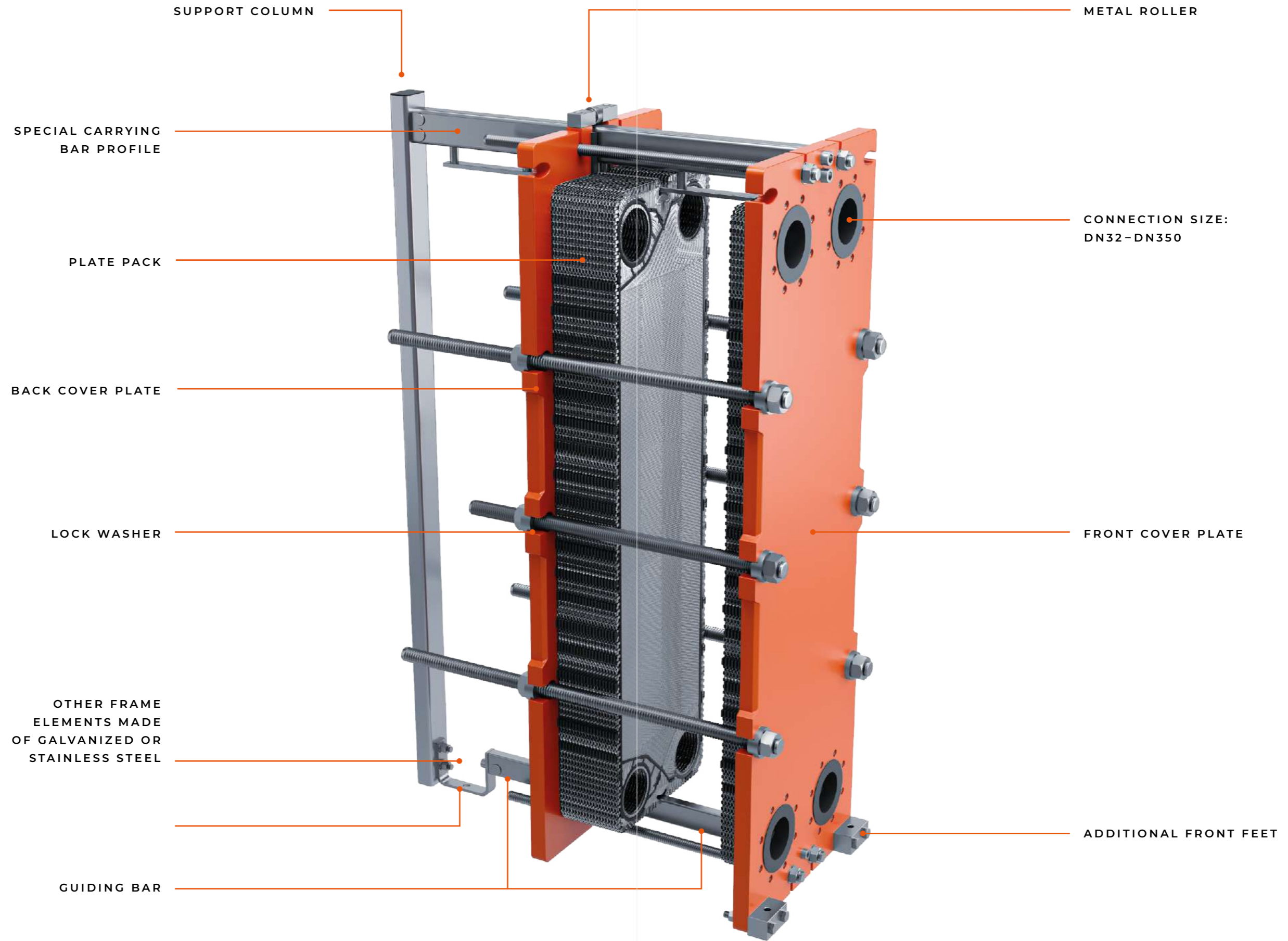
INCREASED HEAT
EXCHANGE AREA



INCREASED PLATE
DURABILITY

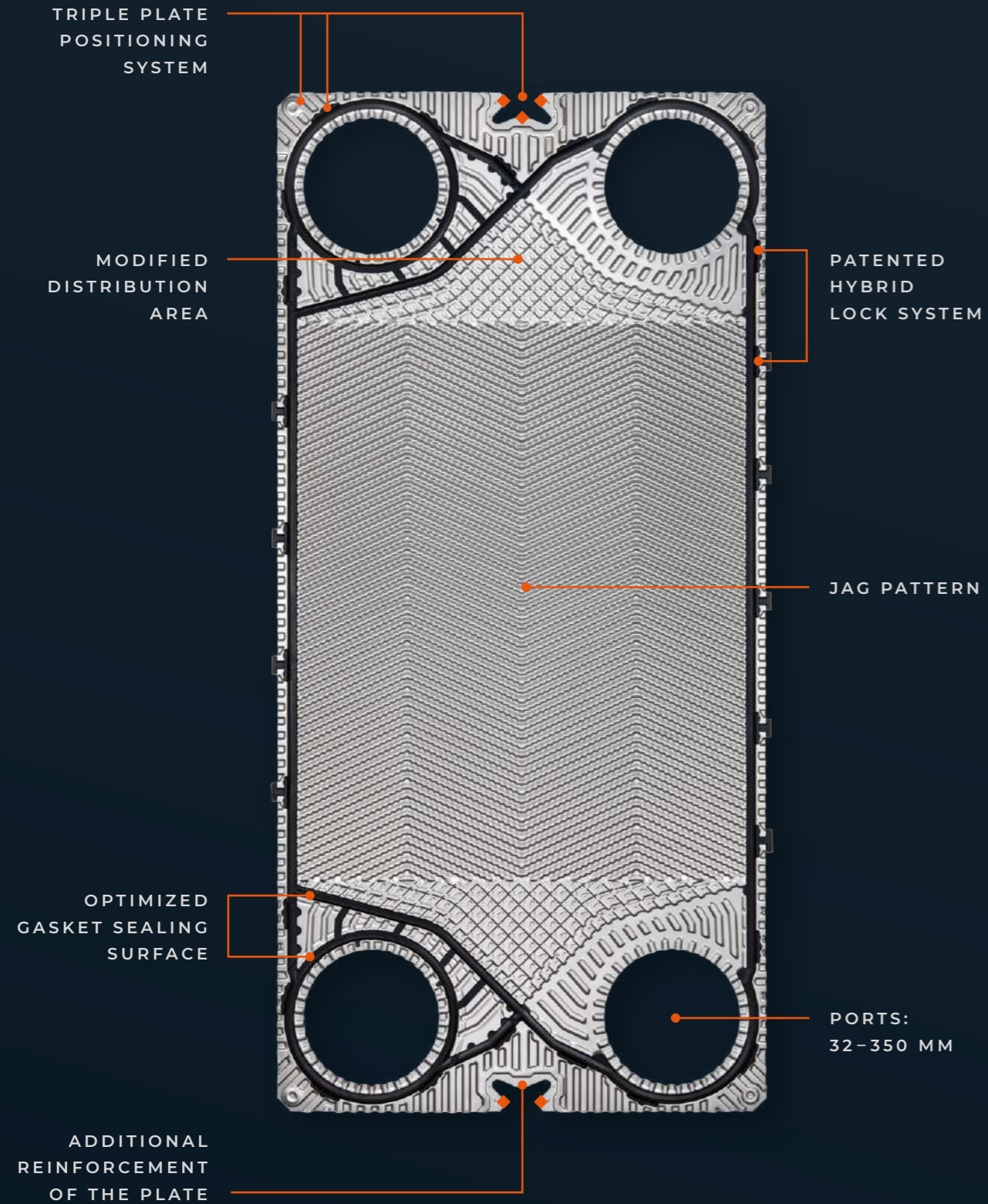


JAG DESIGN



JAG PLATE REINVENTED

◆ FIVE POINT STELLAR SUSPENDING AND ALIGNING SYSTEM



GASKETS PATENTED HYBRID LOCK SYSTEM

New construction of the patented gasket features two locking methods and an optimized unique shape. The hybrid lock system makes the mounting easier, quicker, and more stable throughout the exchanger assembly process. The innovative shape provides superior sealing capacity even in high pressure applications.



TECHNICAL DATA

STANDARD LOCATION OF CONNECTIONS – SINGLE PASS:

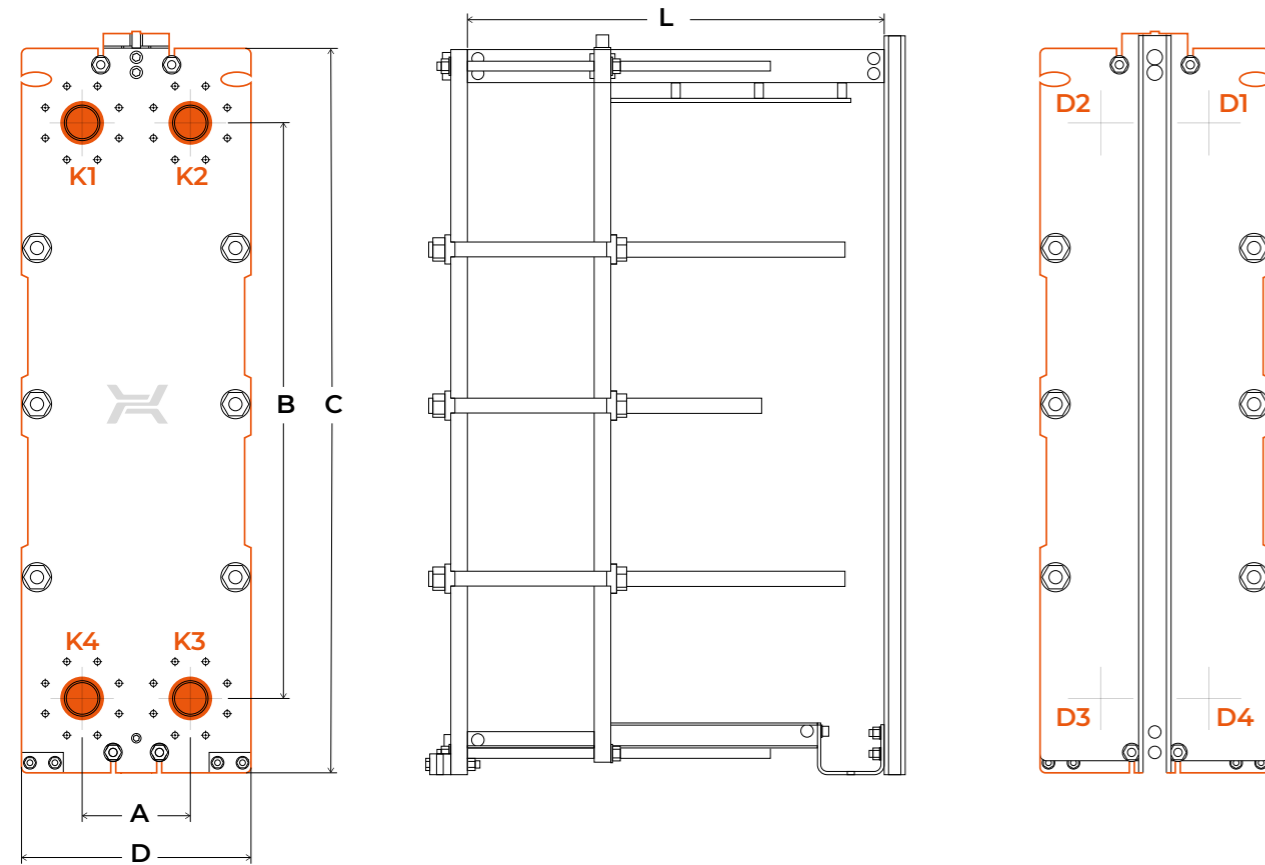
K1 / K4 — inlet / outlet heat source
K3 / K2 — inlet / outlet pool water

STANDARD LOCATION OF CONNECTIONS – DOUBLE PASS:

D4 / K4 — inlet / outlet heat source
K3 / D3 — inlet / outlet pool water

WORKING PARAMETERS

MAX. PRESSURE — 6, 10, 16, 25, 30
 BAR / 150, 250,
 300, 400 PSI
 MAX. TEMPERATURE — 170°C / 300°F
 MIN. TEMPERATURE — -20°C / -4°F



TECHNICAL PARAMETERS

Type	Dimensions										Max. n° of plates	Connection size	
	A		B		C		D		L max.				
	mm	in	mm	in	mm	in	mm	in	mm	in			
JFA-003	70	2.8	250	9.8	400	15.7	210	8.3	550	21.7	85	1 1/4" NPT	1 1/4" NPT
JFB-010	133	5.2	400	15.7	585	23	315	12.4	1 055	41.5	145	2" NPT	2" NPT
JFC-015	215	8.5	390	15.4	670	26.4	440	17.3	1 065	41.9	180	DN80	3"
JFD-030	260	10.2	730	28.7	1 090	42.9	550	21.7	3 090	121.7	600	DN100	4"
JFE-045	325	12.8	900	35.4	1 335	52.6	656	25.8	4 130	162.6	800	DN150	6"
JFG-100	455	17.9	1 400	55.1	2 056	80.9	915	36.02	6 150	242.1	1 200	DN250	10"

All dimensions and technical data are approximate only and may be changed without further notice.

Flanges
 ASME B16.5

MAX. HEAT LOAD

JAG Type	The power of heat source		Heat source temperature		Pool volume		Pool water temperature		Water flow			
									Source of heat		Pool	
									kW	hp	°C	°F
JFA-003-P10-10H	10	13.41	40	104	15	3 962.58	32	89,6	1,25	330.2	3	792.5
JFA-003-P10-18H	15	20.12	40	104	30	7 925.16	32	89,6	1,85	488.7	6	1 585.0
JFA-003-P10-32H	20	26.82	40	104	50	13 208.6	32	89,6	2,5	660.4	10	2 641.7
JFA-003-P10-40H	25	33.53	50	122	60	15 850.3	32	89,6	1,45	383.0	12	3 170.1
JFB-010-P10-16L	35	46.94	50	122	90	23 775.5	32	89,6	2,05	541.6	18	4 755.1
JFB-010-P10-22L	50	67.05	50	122	140	36 984.1	32	89,6	2,9	766.1	28	7 396.8
JFC-015-P10-16L	75	100.58	60	140	200	52 834.4	32	89,6	3,3	871.8	40	10 566.9
JFC-015-P10-22L	100	134.1	60	140	270	71 326.5	32	89,6	4,4	1162.4	54	14 265.3
JFC-015-P10-34L	150	201.15	60	140	400	105 669	32	89,6	6,6	1743.5	80	21 133.8
JFD-030-P10-54L	200	268.2	60	140	550	145 295	32	89,6	8,8	2324.7	111	29 323.1
JFD-030-P10-68L	250	335.26	60	140	650	171 712	32	89,6	11	2905.9	130	34 342.4
JFE-045-P10-52L	350	469.36	70	158	1 000	264 172	32	89,6	15,4	4068.2	200	52 834.4
JFE-045-P10-76L	500	670.51	70	158	1 400	369 840.9	32	89,6	22	5811.8	281	74 232.3
JFG-100-P10-100L	750	1 005.77	70	158	2 100	554 761.3	32	89,6	33,1	8744.1	421	111 216.4
JFG-100-P10-134L	1 000	1 341.02	70	158	2 800	739 681.7	32	89,6	44,1	11649.9	562	148 464.7

