Flexitank Stainless steel indirect cylinders - single & twin coil
SXWW - SXEP

FOR DOMESTIC HOT WATER PRODUCTION FROM HEAT PUMPS OR BOILERS

FLEXIHEAT UK LTD
www.flexiheatuk.com
01202 822221

Can be used with gas,oil,biomass or electric boilers and heat pumps

High performance coil heat exchanger for fast recovery times Anti-Legionella hot water cylinder design

Stainless Steel calorifier for optimum corrosion resistance

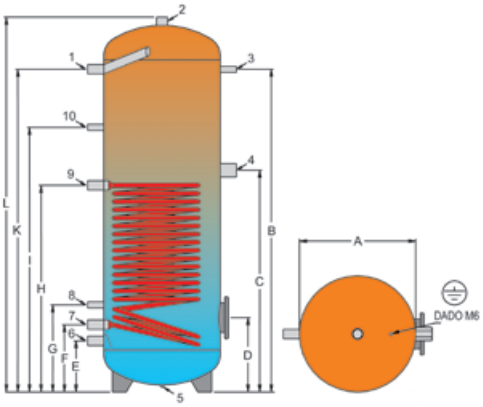
50 or 70mm of CFC / HCFC-free injected foam for the best possible heat retention and energy efficiency on the 150 to 600 models - 100mm polyester fibre on the 800 to 2000 models - that meet the ErP regulations

Model - SXWW - Stainless steel indirect Water-heater in AISI 316L stainless steel with 1 fixed heat exchanger coil.

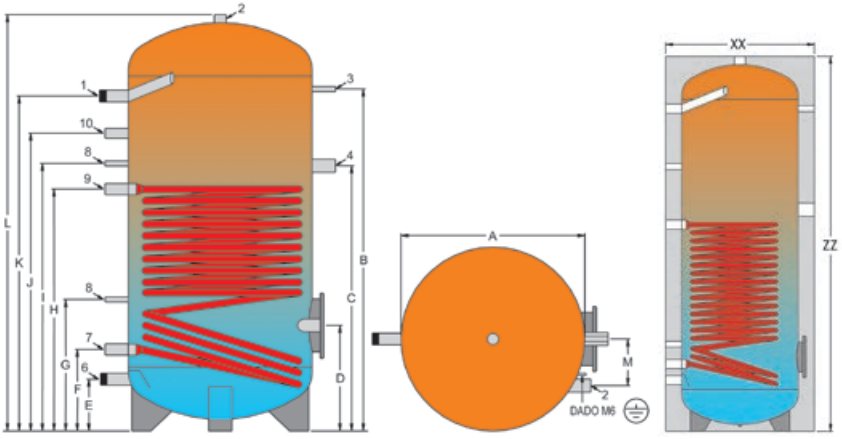
Model- SXEP Stainless steel indirect Water-heater in AISI 316L stainless steel with 2 fixed heat exchangers

Insulation: Foamed hard polyurethane layer 70 mm (models 150 to 600), polyester fibre 100 mm (models 800 to 2000).

SXWW 150 to 600



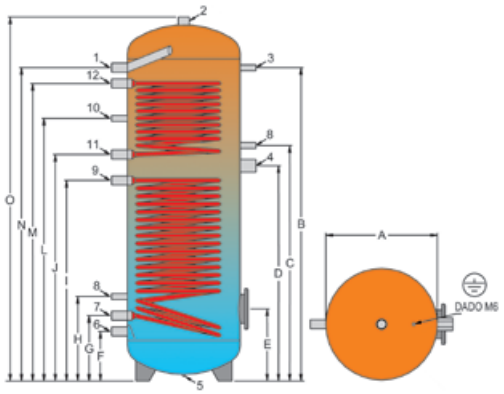
SXWW 800 to 2000



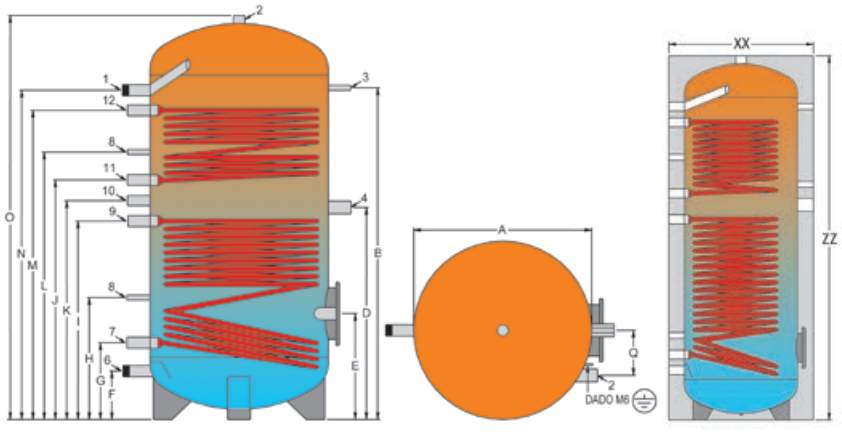
	Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N
INOX	150	500	775	655	320	113	300	385	620	695	-	765	990	-	-
	200	500	1005	810	320	113	290	375	750	835	-	975	1215	-	-
	300	500	1390	955	320	113	290	375	890	1165	-	1390	1615	-	-
	400	650	1195	835	365	143	345	440	795	960	-	1185	1430	-	-
	500	650	1425	970	370	143	345	440	880	1170	-	1415	1690	-	-
	600	650	1650	1065	365	143	345	440	985	1340	-	1640	1915	-	-
	800	790	1465	1135	435	210	345	560	1035	1145	1275	1435	1790	-	-
	1000	790	1720	1350	440	210	310	535	1235	1395	1535	1700	2040	-	-
	1500	1000	1775	1325	515	280	415	570	1250	1370	1525	1770	2105	230	-
	2000	1200	1790	1245	565	280	420	675	1175	1410	1580	1790	2150	230	-

N°	CONNECTOR TYPE	MODEL 150 to 600	800 to 1000	1500 to 2000
1.	Domestic hot water inlet	1"	1" 1/4	1" 1/2
2.	Anode - sacrificial	1" 1/4	1" 1/2	1" 1/2
3.	Thermometer - Sensor	1/2"	1/2"	1/2"
4.	Immersion heater port	1" 1/2	1" 1/2	1" 1/2
5.	Transport connection point	1/2"	–	–
6.	Cold water inlet	1"	1" 1/4	1" 1/2
7.	Water exchanger outlet	1"	1" 1/4	1" 1/4
8.	Thermostat	1/2"	1/2"	1/2"
9.	Water exchanger inlet	1"	1" 1/4	1" 1/4
10.	Re-circulation	1/2"	1"	1"
11.	Upper water exchanger outlet - Twin coil version only	1"	1" 1/4	1" 1/4
12.	Upper water exchanger inlet - Twin coil version only	1"	1" 1/4	1" 1/4

SXEP 200 to 600



SXEP 800 to 2000

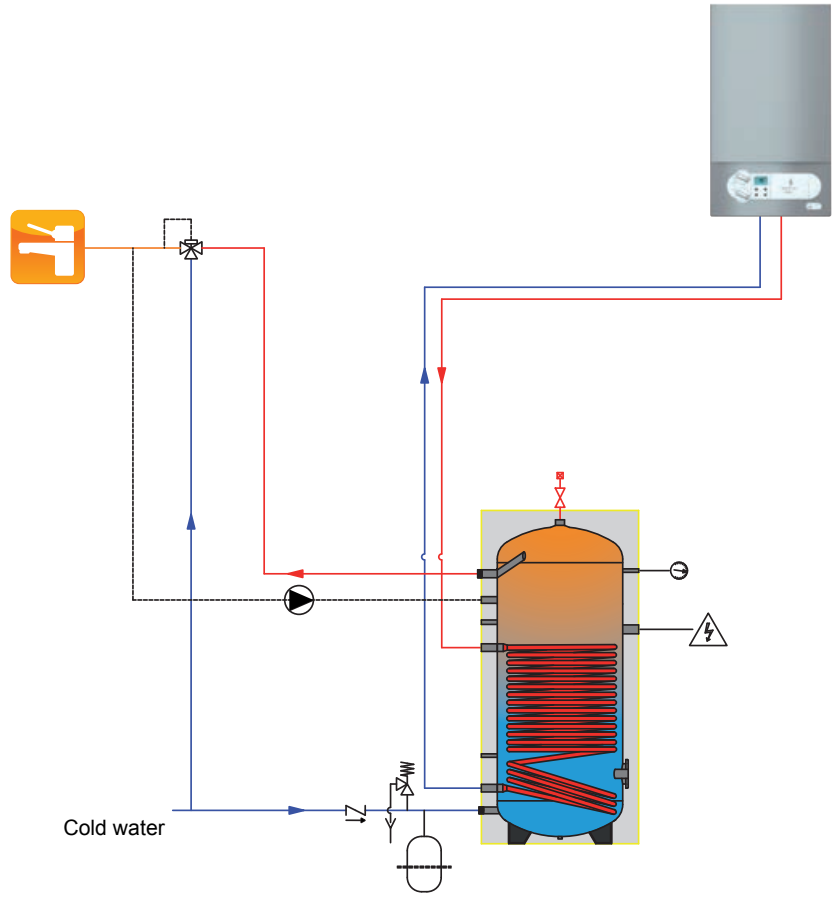


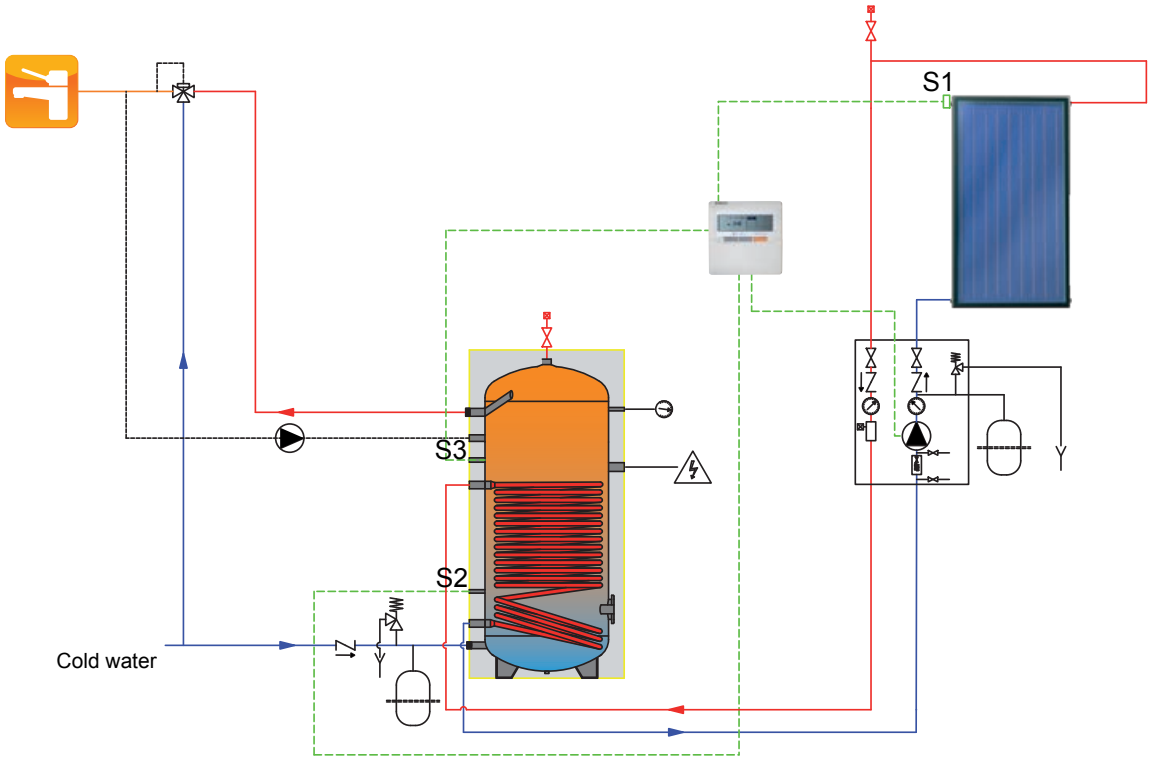
	Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
INOX	**200**	500	1000	875	810	320	113	290	375	750	835	-	905	975	1107	1215	-	-
	300	500	1390	1045	955	320	113	290	375	890	1005	-	1165	1320	1390	1615	-	-
	400	650	1180	905	820	350	143	330	425	780	860	-	945	1070	1170	1430	-	-
	500	650	1425	1045	960	370	143	345	440	880	1015	-	1170	1330	1415	1690	-	-
	600	650	1650	1190	1065	365	143	345	440	985	1145	-	1340	1565	1640	1915	-	-
	800	790	1485	-	980	435	200	350	590	890	1070	980	1180	1380	1485	1805	-	-
	1000	790	1735	-	1135	435	200	350	580	985	1245	1135	1360	1555	1735	2055	-	-
	1500	1000	1775	-	1230	515	280	415	525	1125	1325	1225	1420	1730	1890	2120	-	230
	2000	1200	1895	1450	1245	565	280	420	675	1175	1395	1285	-	1790	1895	2150	-	230

TECHNICAL DATA

		Stainless Steel									
Stainless steel–SXWW-SXEP Single or Twin coil models		**150**	**200**	**300**	**400**	**500**	**600**	**800**	**1000**	**1500**	**2000**
Storage volume	l	160	196	273	400	475	560	738	910	1390	2043
ErP class - Standing loss PU foamed injected insulation	70 mm	A 40 W	B 51 W	B 63 W	B 74 W	B 80 W	B 85 W	-	-	-	-
ErP - Standing loss polyester fibre	100 mm	-	-	-	-	-	-	C 130 W	C 142 W	C 162 W	C 186 W
Total height with insulation	**ZZ** mm	1020	1215	1615	1430	1690	1915	1855	2105	2175	2220
Tipping / Diagonal size	mm	1190	1390	1800	1700	1900	2200	1900	2140	2280	2295
Tank diameter with 70 mm PU foamed hard polyurethane insulation	**XX** ø mm	640	640	640	790	790	790	-	-	-	-
Tank diameter with 100 mm polyester fibre insulation	**XX** ø mm	-	-	-	-	-	-	990	990	1200	1400
Upper pipe coil heat exchanger surface area	m²	-	0.5	0.8	0.9	0.9	0.9	1.2	1.2	1.8	2.8
Lower pipe coil heat exchanger surface area	m²	0.5	0.7	1.2	1.4	1.8	1.8	2.0	2.4	3.4	4.6
Water capacity of the upper pipe coil heat exchanger	l	-	2.6	4.1	7.0	5.6	5.6	7.0	7.0	10.4	16.9
Water capacity of the lower pipe coil heat exchanger	l	2.6	5.6	7.9	9.2	11.4	11.4	12.6	15.1	19.5	28.1
Absorbed power @ 80°/60°C flow to the coil	Upper coil kW	-	12	19	21	23	23	30	30	47	73
	Lower coil kW	12	19	29	34	43	43	50	60	88	120
Heat exchanger coil water volume	Upper coil m³/h		0.5	0.8	0.9	1.0	1.0	1.3	1.3	2.0	3.1
	Lower coil m³/h	0.5	0.8	1.2	1.5	1.8	1.8	2.2	2.6	3.8	5.2
Output sanitary water at 80°/60°C - 10°/45°C (DIN 4708)	Upper coil m³/h	-	0.3	0.5	0.5	0.6	0.6	0.7	0.7	1.2	1.8
	Lower coil m³/h	0.3	0.5	0.7	0.8	1.1	1.1	1.2	1.5	2.2	2.9
Power code (DIN 4708)	**SXWW** NL	2	3	5	9	11	11	13	20	31	37
	SXEP NL	-	4.5	7	12	15	15	20	27	45	60
Weight empty	**SXWW** kg	50	65	85	95	105	115	130	150	260	320
	SXEP kg	-	70	95	105	120	125	145	170	280	350
Maximum working pressure tank of the tank	bar	6									
Maximum working pressure of the heat exchanger	bar	10									
Maximum working temperature of the tank	°C	95									

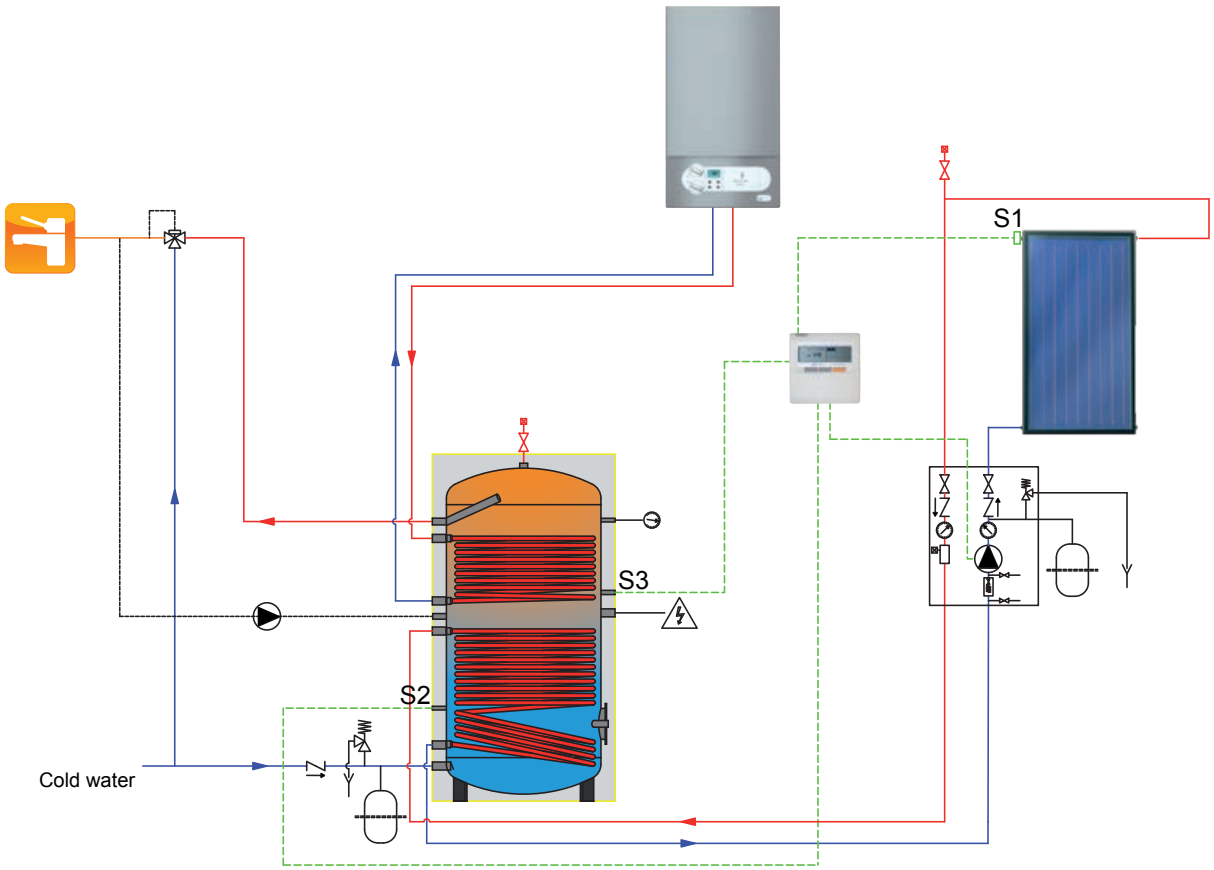
Typical Install Schematic





N.B. Diagrams illustrating the operation but do not replace the project work.

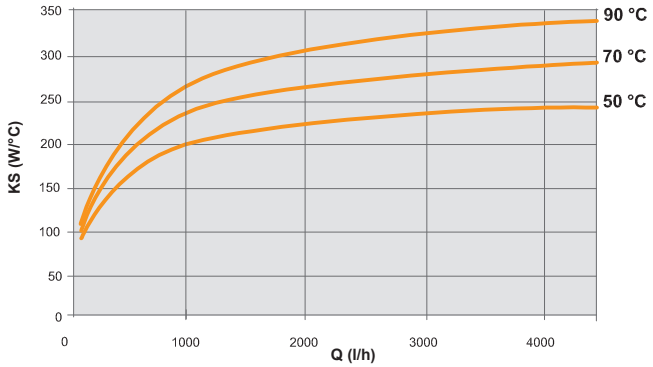
Typical Install Schematic



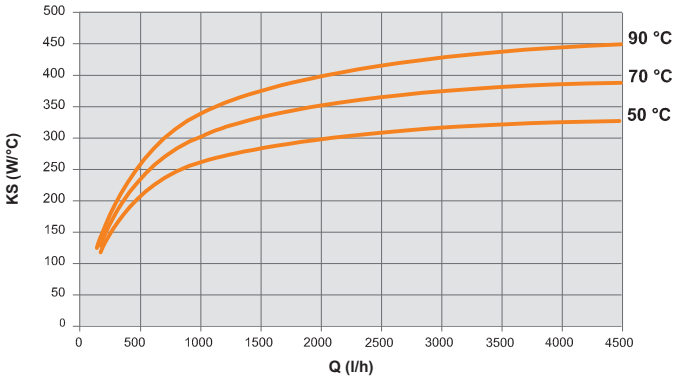
N.B. Diagrams illustrating the operation but do not replace the project work.

DIAGRAMS OF SPECIFIC POWER IN FUNCTION OF THE INLET TEMPERATURE OF THE EXCHANGER

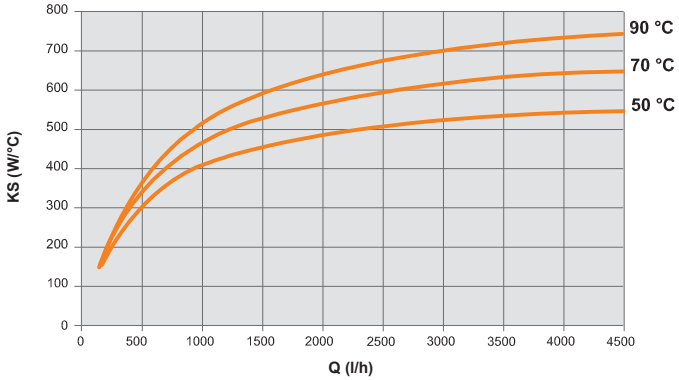
SXWW 150-200



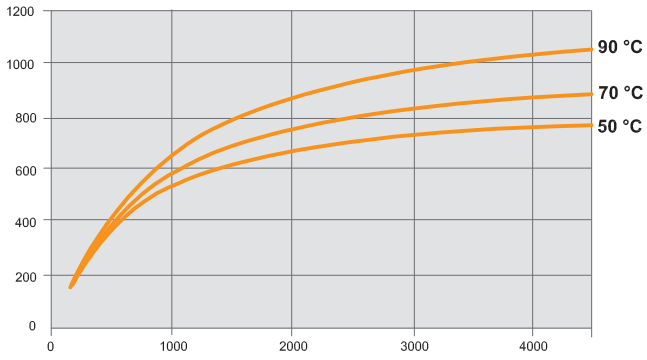
SXWW 300-400



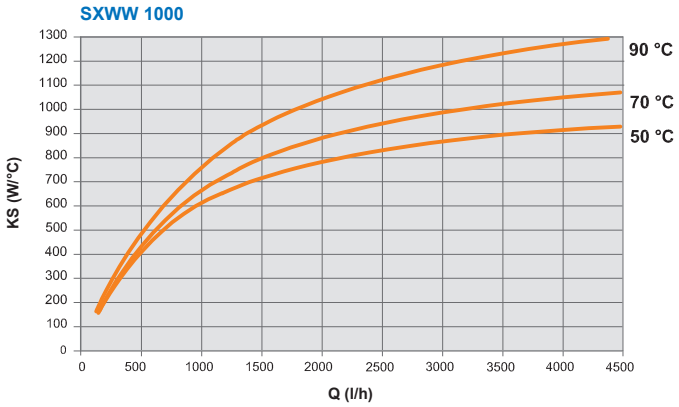
SXWW 500-600



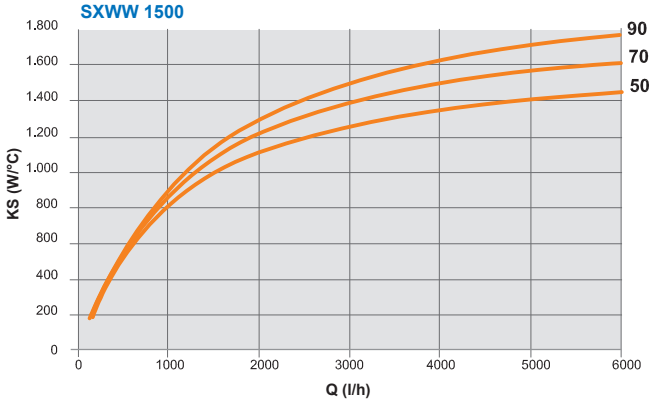
SXWW 800



SXWW 1000



SXWW 1500



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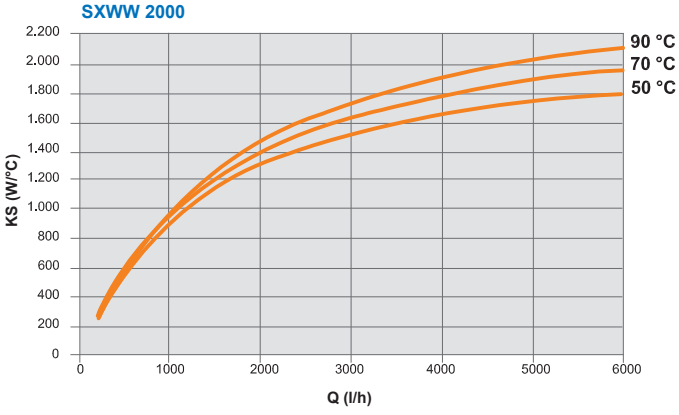


Calculation power transmitted to the tank (q)

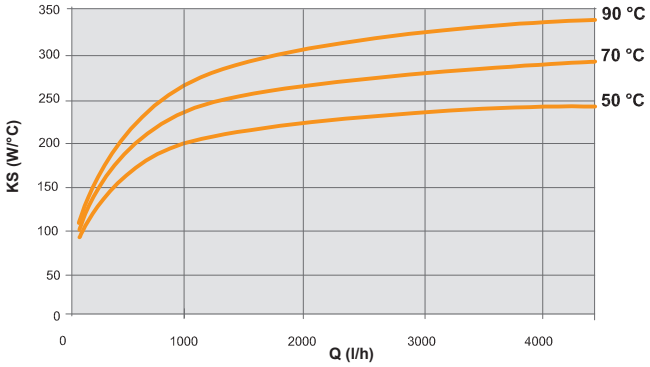
$$q = KS \cdot (Ti - Ta) [W]$$

Ti = Temperature inlet exchanger
Ta =Medium temperature between T Cold water inlet and T top part Tank

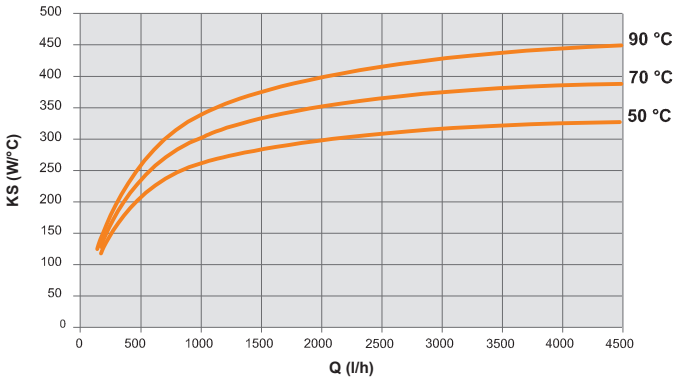
DIAGRAMS OF SPECIFIC POWER IN FUNCTION OF THE INLET TEMPERATURE OF THE EXCHANGER

LOWER PIPE COIL

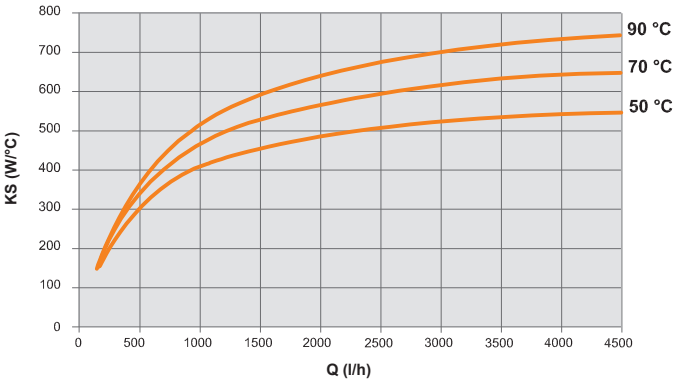
SXEP 200



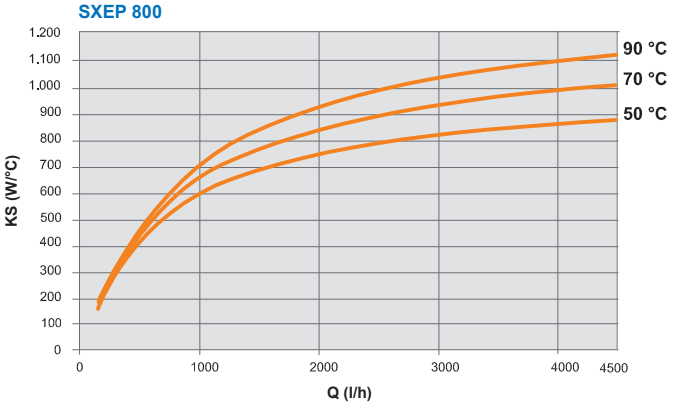
SXEP 300-400



SXEP 500-600

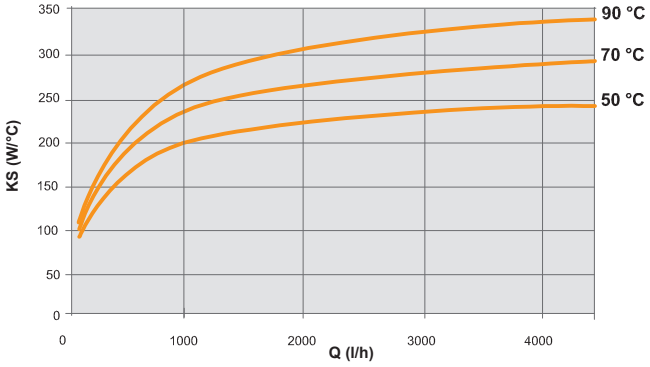


SXEP 800

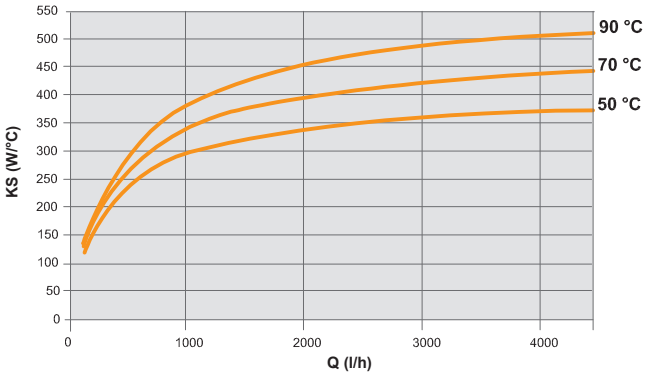


UPPER PIPE COIL

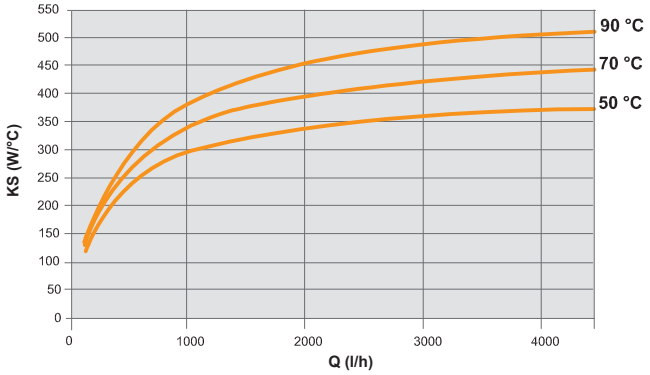
SXEP 200-300



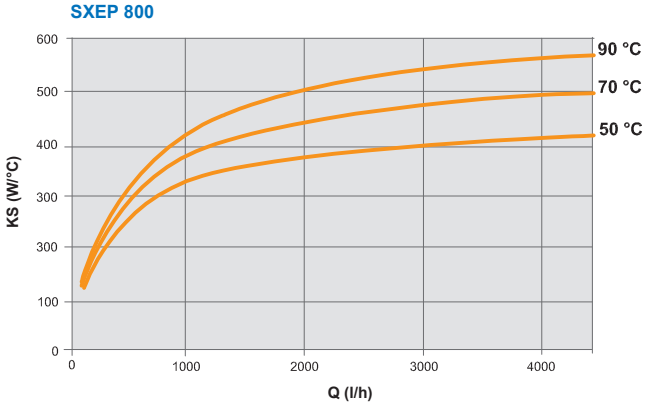
SXEP 400



SXEP 500-600



SXEP 800



Calculation power transmitted to the tank (q)

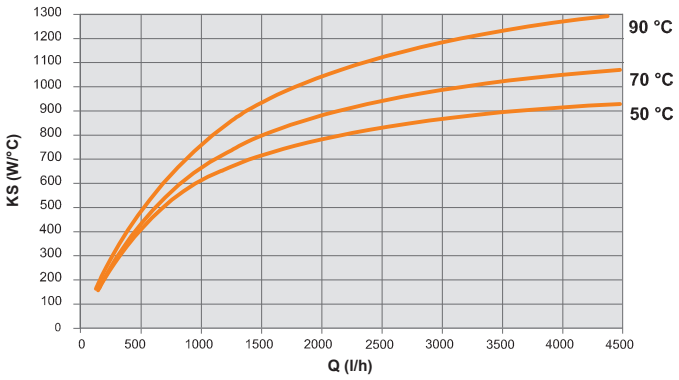
q = KS x (Ti - Ta) [W]

Ti = Temperature inlet exchanger
Ta = Medium temperature between T Cold water inlet and T top part Tank

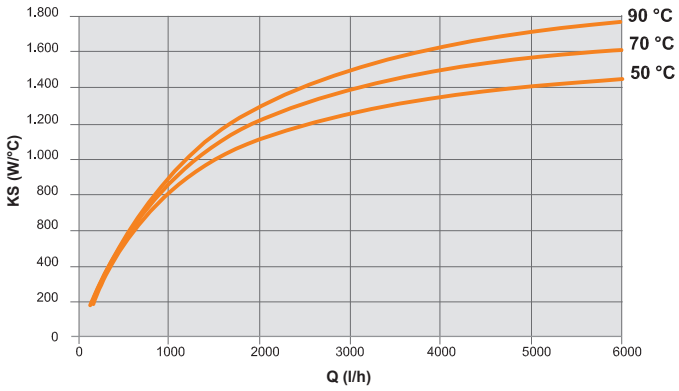
DIAGRAMS OF SPECIFIC POWER IN FUNCTION OF THE INLET TEMPERATURE OF THE EXCHANGER

LOWER PIPE COIL

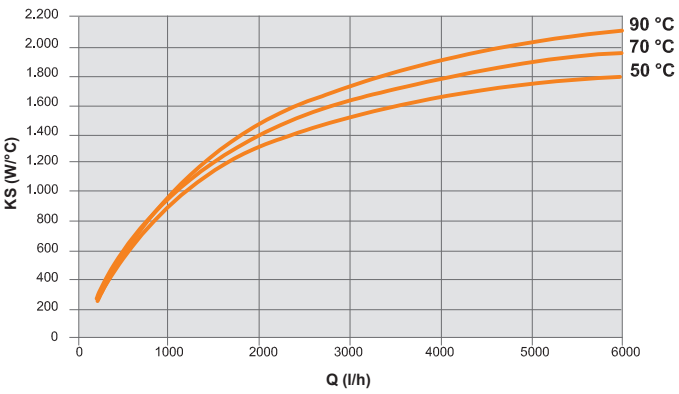
SXEP 1000



SXEP 1500

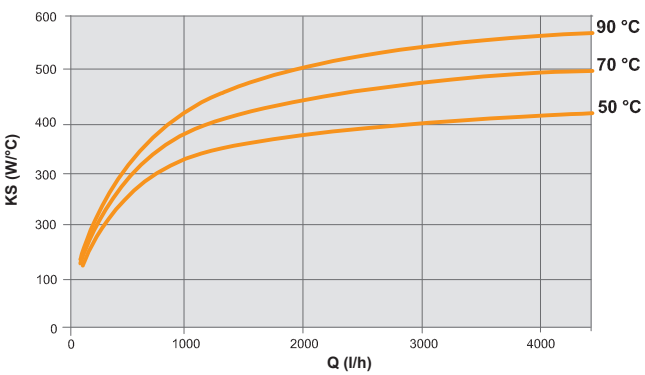


SXEP 2000

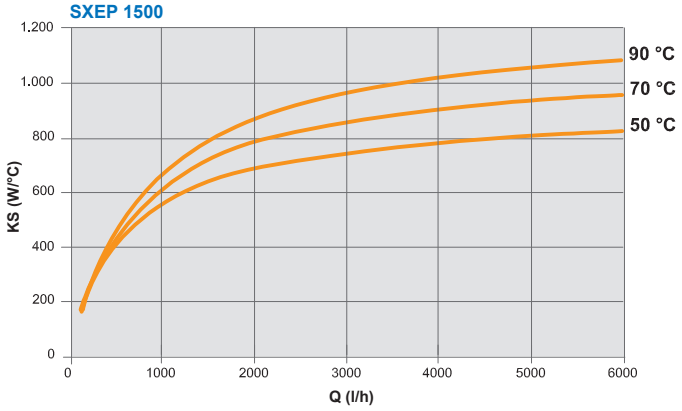


UPPER PIPE COIL

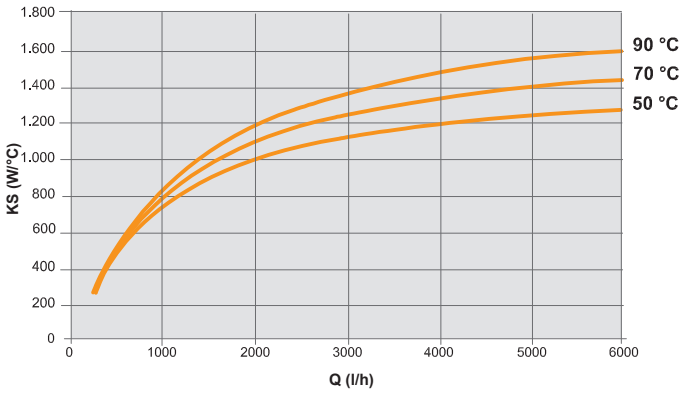
SXEP 1000



SXEP 1500



SXEP 2000

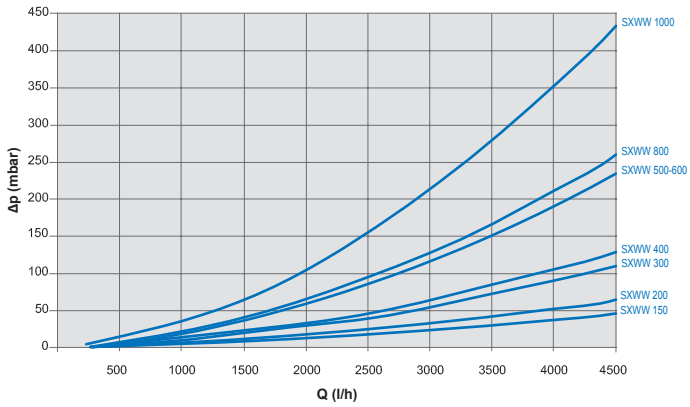


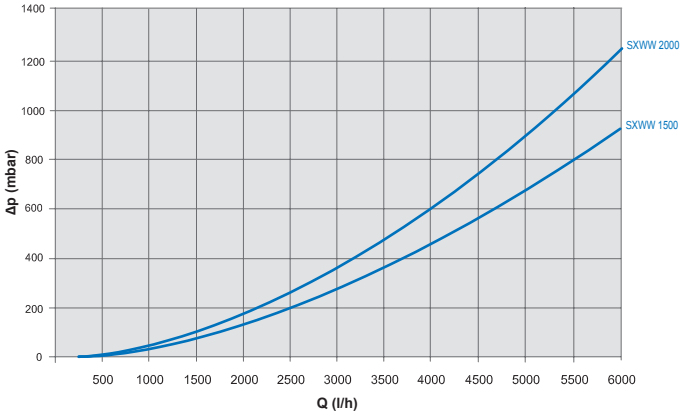
Calculation power transmitted to the tank (q)

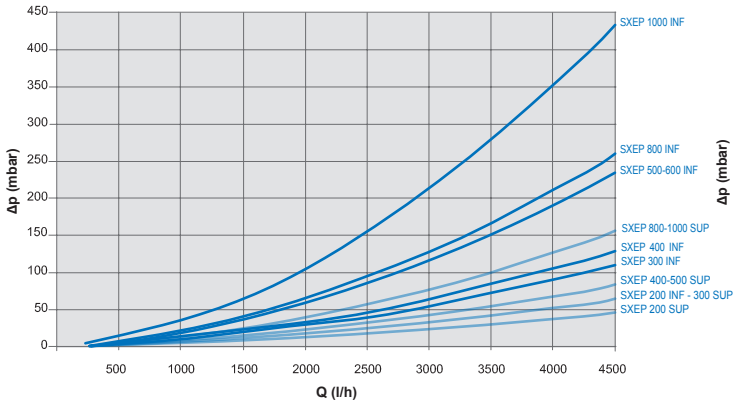
q = KS x (Ti - Ta) [W]

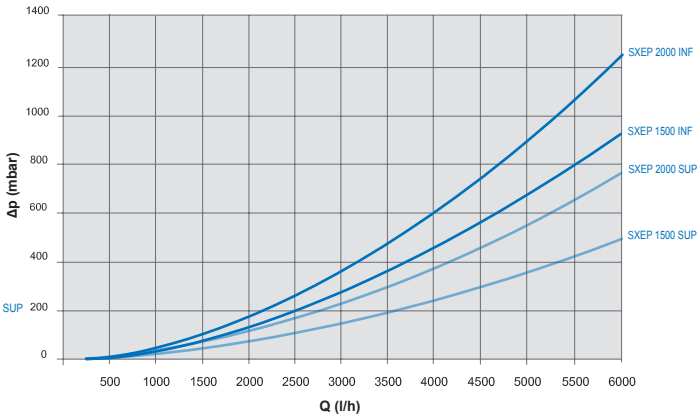
Ti = Temperature inlet exchanger
Ta = Medium temperature between T Cold water inlet and T top part Tank

EXCHANGERS PRESSURE DROPS









		Model	thickness insulation 70 mm
			code
INOX	SXEP	150	FH1X0115F
		200	FH1X0120F
		300	FH1X0130F
		400	FH1X0140F
		500	FH1X0150F
		600	FH1X0160F
	SXWW	200	FH1X0220F
		300	FH1X0230F
		400	FH1X0240F
		500	FH1X0250F
		600	FH1X0260F

				INSULATION ONLY
		Model	polyester fibre 100 mm	storage tank without insulation	polyester fibre 100 mm
			code	code	code
INOX	SXEP	800	FH1X01805	FH1X0180Z	FH1AX1805
		1000	FH1X01A05	FH1X01A0Z	FH1AX1A05
		1500	FH1X01A55	FH1X01A5Z	FH1AX1A55
		2000	FH1X01B05	FH1X01B0Z	FH1AX1B05
	SXWW	800	FH1X02805	FH1X0280Z	FH1AX2805
		1000	FH1X02A05	FH1X02A0Z	FH1AX2A05
		1500	FH1X02A55	FH1X02A5Z	FH1AX2A55
		2000	FH1X02B05	FH1X02B0Z	FH1AX2B05