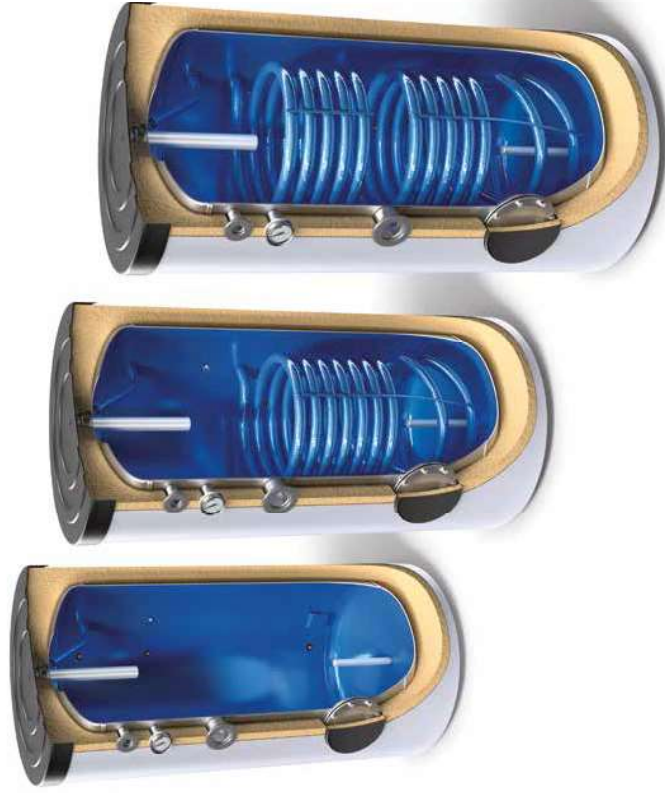




IHWTs for solar/boiler systems

Advantages

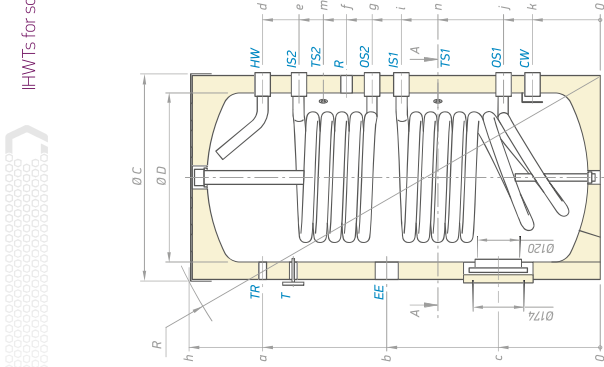


IHWTs for solar/boiler systems

A wide range of floor-standing indirectly heated water tanks for domestic hot water, suitable for installation in single and multi-family residential buildings as well as industrial sites.

The range includes models from 160 L to 2000 L in energy efficiency class A, B or C:

- ▶ without a heat exchanger
- ▶ with one heat exchanger
- ▶ with two heat exchangers



MODEL	EV 6/4 S2 160/60	EV 7/5 S2 200/60	EV 10/7 S2 300/65	EV 11/5 S2 400/75	EV 15/7 S2 500/75
CW cold water inlet	G 1"	G 1"	G 1"	G 1"	G 1"
HW hot water outlet	G 1"	G 1"	G 1"	G 1"	G 1"
IS1 heat exchanger inlet	G 1"	G 1"	G 1"	G 1"	G 1"
IS2 heat exchanger inlet	G 1"	G 1"	G 1"	G 1"	G 1"
OS1 heat exchanger outlet	G 1"	G 1"	G 1"	G 1"	G 1"
OS2 heat exchanger outlet	G 1"	G 1"	G 1"	G 1"	G 1"
R recirculation	G 3/8"	G 3/8"	G 3/8"	G 3/8"	G 1/2"
T thermometer	Ø 1/4 x 1.5	Ø 1/4 x 1.5	Ø 1/4 x 1.5	Ø 1/4 x 1.5	Ø 1/4 x 1.5
TR opening for thermostat	G 1/2"	G 3/8"	G 1/2"	G 1/2"	G 1/2"
TS1 thermo pocket level 1	G 1/2"	G 3/8"	G 1/2"	G 1/2"	G 1/2"
TS2 thermo pocket level 2	G 1/2"	G 3/8"	G 1/2"	G 1/2"	G 1/2"
EE opening for electric element	G 1 1/2"	G 1 1/2"	G 1 1/2"	G 1 1/2"	G 1 1/2"
Dimensions ±5 mm					
h	1007	1200	1420	1407	1574
a	785	993	1207	1156	1448
b	519	628	760	913	985
c	279	314	314	311	324
d	788	993	1207	1156	1448
e	741	886	1104	1073	1330
f	649	746	903	943	1165
g	559	671	803	858	1029
i	475	595	718	775	944
j	204	284	288	302	399
k	204	199	203	220	214
m	619	815	996	998	1285
n	349	478	610	617	1305
R	649	1345	1563	1596	1819
Ø C	600	600	650	750	750
Ø D	500	500	550	656	650

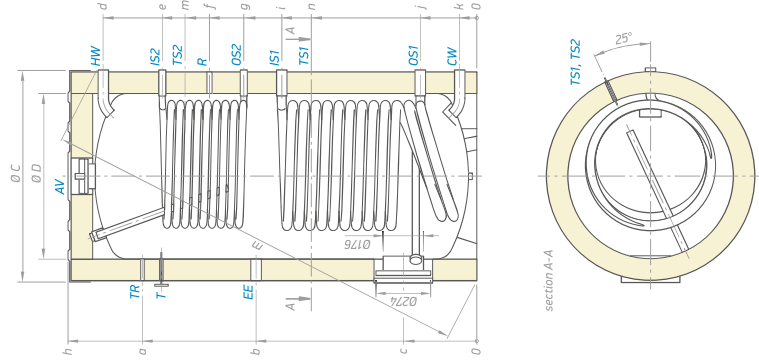
Thread designations according to EN ISO 228-1/1



MODEL	EV 12/6 S2 800 95 F4/3 TP2-C	EV 13/7 S2 1000 101 F4/4 TP2-C	EV 12/8 S2 1500 120 F4/5 TP2-C	EV 15/9 S2 2000 130 F4/6 TP2-C
Arc number	303827	303831	303826	303833
Capacity	L	932	1114	1822
Net weight	Hg	252	408	486
Insulation	mm	80	100	100
Heat exchanger surface S1	m ²	2.89	3.45	4.5
Heat exchanger surface S2	m ²	1.54	1.31	2.75
Heat exchanger capacity S1	L	26.2	31.3	41.6
Heat exchanger capacity S2	L	9.4	7.9	25.2
Exchanged power in continuous mode (max coil output S1 °60-80°C / 50-60°C)	MW	79.7 / 43.8	96.6 / 55	140 / 80
Exchanged power in continuous mode (max coil output S2 °60-80°C / 50-60°C)	MW	41.4 / 23.9	37.9 / 21.6	95.3 / 50
Continuous flow rate of DHW at ΔT 35°C S1 °60-80°C / 50-60°C	L/h	19.6 / 1076	237 / 1352	6020 / 6880
Continuous flow rate of DHW at ΔT 35°C S2 °60-80°C / 50-60°C	L/h	1016 / 589	929 / 538	4037 / 4300
Heat losses ΔT °K	W	28	142	151
Energy efficiency class	C	C	C	C
Maximum operational temperature	°C	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110
Rated pressure	bar	8	8	8
Rated pressure of the heat exchanger	bar	6	6	6
Heat exchanger reheat, performance P at low rate of primary side (S1)	MW / (L/min)			1131 / 100
Heat exchanger reheat, performance P at low rate of primary side (S2)	MW / (L/min)			771 / 100
V40 - hot water delivered with a temperature of at least 40°C (S1)	L	135.2	1403	1933.8
V40 - hot water delivered with a temperature of at least 40°C (S2)	L	4471	604	714.1
Reheat time 10-60°C rate of primary side (S1)	min / (L/min)	48.3 / 50.0	50.2 / 50.0	45.3 / 100
Reheat time 10-60°C rate of primary side (S2)	min / (L/min)	31.5 / 50.0	40.5 / 50.0	34.6 / 100
Coil Pressure drop at low rate m/h (S1)	mbar / (L/min)	69.0 / 50.0	82.6 / 50.0	294.8 / 100
Coil Pressure drop at low rate (S2)	mbar / (L/min)	119.6 / 50.0	174.3 / 50.0	172.5 / 100
Performance index NL without additional heating (S1)		42	61.6	94
Performance index NL without additional heating (S2)			15	31

* - outlet - inlet temperature of the heat transfer fluid

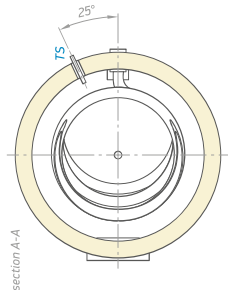
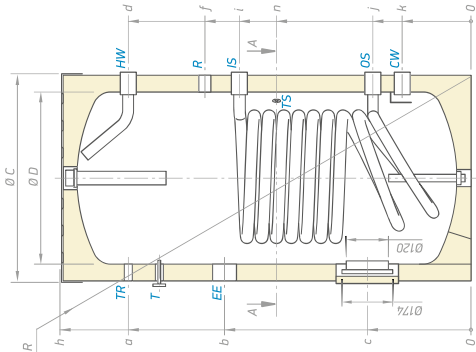
** - 10°C - cold water temperature, 60°C - hot water temperature (domestic water)



MODEL	EV 12/952/800	EV 13/752/1000	EV 12/852/1500	EV 15/952/2000
	95 F43 TP2-C	101 F44 TP2-C	125 F45 TP2-C	130 F46 TP2-C
CW	G 1/2 B	G 1/2 B	G 2 B	G 2 B
HW	G 1/2 B	G 1/2 B	G 2 B	G 2 B
IS1	heat exchanger inlet	G 1/2 B	G 1 1/2 B	G 1 1/2 B
IS2	heat exchanger inlet	G 1 B	G 1 1/2 B	G 1 1/2 B
OS1	heat exchanger outlet	G 1/2 B	G 1 1/2 B	G 1 1/2 B
OS2	heat exchanger outlet	G 1 B	G 1 1/2 B	G 1 1/2 B
R	recirculation	G 3/4"	G 1 1/2"	G 1 1/2"
T	thermometer	Ø 14 x 15	Ø 14 x 15	Ø 14 x 15
TR	opening for thermoregulator	G 1/2"	G 1/2"	G 1/2"
TS1	thermo pocket level 1	G 1/2"	G 1/2"	G 1/2"
TS2	thermo pocket level 2	G 1/2"	G 1/2"	G 1/2"
EE	opening for electric element	G 1 1/2"	G 1 1/2"	G 1 1/2"
AV	opening for air ventilation	G 3/4"	G 3/4"	G 3/4"
Dimensions ±5 mm				
h	1947	2012	2193	2399
a	1592	1675	1768	1927
b	1051	1132	1163	1287
c	351	354	468	437
d	1778	1647	2061	2263
e	1492	1475	1891	1875
f	1273	1274	1378	1560
g	1105	1174	1251	1380
i	929	987	1031	1244
j	269	272	421	420
k	825	815	90	90
m	1363	1374	1329	1537
n	756	817	579	567
R	2014	2100	2361	2565
Ø C	950	1010	1200	1300
Ø D	790	850	1000	1100

Thread designations according to EN ISO 228-1

MODEL	EV 95 160 60	EV 95 200 60	EV 125 300 65	EV 115 400 75	EV 155 500 75
Art. number	301408	301409	301394	301392	301395
Capacity	L	155	283	394	480
Net weight	kg	54	92	137	145
Insulation (rigid PU)	mm	50	50	50	50
Heat exchanger surface S1	m ²	0,96	0,96	1,45	2,25
Heat exchanger capacity S1	L	5,8	5,8	8,8	13,7
Exchanged power in continuous mode (max coil output) S1 *55-80°C / 50-60°C	kW	28,2 / 15,0	26,2 / 14,1	41,3 / 19,5	48,8 / 23,8
Continuous flow rate of DHW at ΔT 35°C S1 *60-80°C / 50-60°C	L/h	697 / 371	657 / 346	1024,3 / 477,8	1203,4 / 587,5
Heat losses ΔT 65K	W	51	52	68	91
Energy efficiency class	B	B	B	C	C
Maximum operational temperature	°C	95	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110	110
Rated pressure	bar	8	8	8	8
Rated pressure of the heat exchanger	bar	6	6	6	6
Heat exchanger reheat performance P _{at} (flow rate of primary side S1)	kW / (L/min)	20,3 / 16,6	24,0 / 20,8	29,9 / 25,0	34,5 / 29,2
V ₆₀ - hot water delivered with a temperature of at least 40°C (S1)	L	203	345,8	475,3	596,7
Reheat time 10-50°C rate at primary side (S1)	min / (L/min)	20,8 / 16,6	29,0 / 20,8	34,4 / 25,0	32,9 / 29,2
Coil Pressure drop at flow rate m ³ /h (S1)	mbar / (L/min)	14,5 / 15,6	31,0 / 20,8	87,5 / 25,0	114,4 / 29,2
Performance index XL without additional heating (S1)	-	155	3,6	8,1	14,6
* - outlet - inlet temperature of the heat transfer fluid ** - 10°C - cold water temperature, 60°C - hot water temperature (domestic water)					



MODEL	EV 6/6 S2 160/60	EV 7/5 S2 200/60	EV 10/7 S2 300/65	EV 11/5 S2 400/75	EV 15/7 S2 500/75
CW - cold water inlet	G 1"	G 1"	G 1"	G 1"	G 1"
HW - hot water outlet	G 1"	G 1"	G 1"	G 1"	G 1"
IS1 - heat exchanger inlet	G 1"	G 1"	G 1"	G 1"	G 1"
OS1 - heat exchanger outlet	G 1"	G 1"	G 1"	G 1"	G 1"
R - recirculation	G 3/4"	G 3/4"	G 3/4"	G 1/2"	G 1/2"
T - thermometer	Ø 14 x 115	Ø 14 x 115	Ø 14 x 115	Ø 14 x 115	Ø 14 x 115
TR - opening for thermostat/regulator	G 1/2"	G 1/2"	G 1/2"	G 1/2"	G 1/2"
TS1 - thermo pocket level 1	G 1/2"	G 1/2"	G 1/2"	G 1/2"	G 1/2"
EE - opening for electric element	G 1/2"	G 1/2"	G 1/2"	G 1 1/2"	G 1 1/2"
Dimensions 15 mm					
h	1007	1200	1420	1407	1674
a	785	993	1207	1156	1448
b	-	714	846	913	986
c	314	314	314	331	324
d	785	993	1207	1156	1448
f	602	771	1010	945	1199
i	671	671	824	775	944
j	284	284	288	302	299
k	200	199	203	220	214
n	360	964	653	617	750
R	1169	1345	1563	1546	1838
Ø C	600	600	650	750	750
Ø D	500	500	550	650	650

Thread designations according to EN ISO 228-1

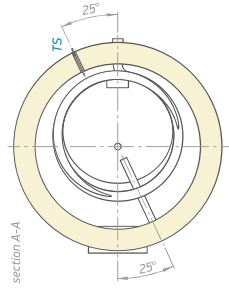
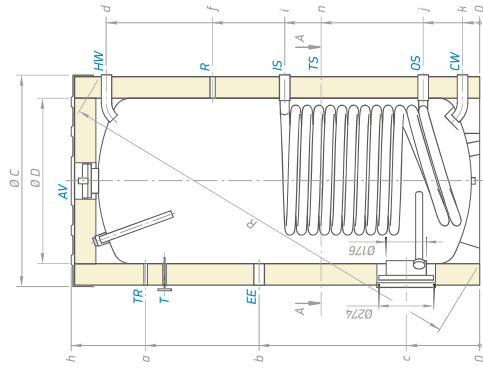


MODEL	EV 12/5 800 95 F43 TP-C	EV 13/5 1000 101 F44 TP-C	EV 12/5 1500 120 F45 TP-C	EV 15/5 2000 130 F46 TP-C
Art. number	303824	303828	303823	303832
Capacity	L	932	1439	1853
Net weight	kg	221	371	412
Insulation	mm	80	100	100
Heat exchanger surface S1	m ²	2,89	3,45	4,5
Heat exchanger capacity S1	L	26,2	30,4	41,6
Exchanged power in continuous mode (max coil output) S1 *160-80°C / 50-60°C	kW	79,2 / 43,8	96,6 / 55	140 / 80
Continuous flow rate of DHW at ΔT 35°C S1 *160-80°C / 50-60°C	L/h	19,5 / 10,6	23,1 / 13,2	30,2 / 16,8
Heat losses ΔT 65K	W	129	142	158
Energy efficiency class	C	C	C	C
Maximum operational temperature	°C	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110
Rated pressure	bar	8	8	8
Rated pressure of the heat exchanger	bar	6	6	6
Heat exchanger rehear performance P at flow rate of primary side (S1)	kW / (L/min)	-	94,5 / 100	113,1 / 100
V40 - hot water delivered with a temperature of at least 40°C (S1)	L	1095,2	1933,8	2785
Reheat time 10-50°C rate at primary side (S1)	min / (L/min)	48,85 / 50,0	50,15 / 50,0	45,3 / 100
Coil Pressure drop at flow rate m ³ /h (S1)	mbar / (L/min)	69,0 / 50,0	82,6 / 50,0	222,14 / 100
Performance index NL without additional heating (S1)	-	42	61,6	70

* - outlet - inlet temperature of the heat transfer fluid
*- 10°C - cold water temperature, 60°C - hot water temperature (domestic water)



IHWTs for solar/boiler systems EEC Band C | with one heat exchanger | 800 to 2000 litres

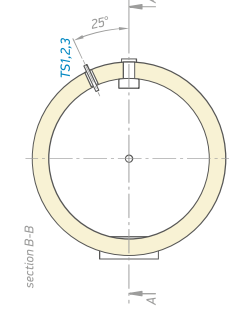
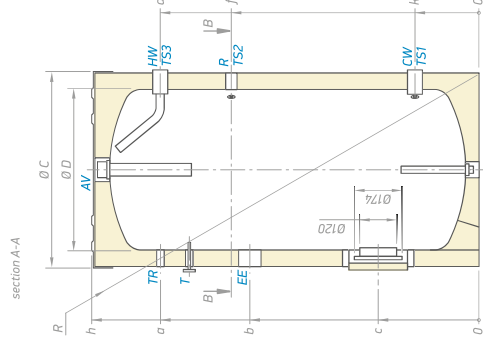


MODEL	EV 125-800 95/43 TP-C	EV 135-1000 101 F44 TP-C	EV 125-1500 120 F45 TP-C	EV 155-2000 130 F46 TP-C
CW	G 1/2 B	G 1/2 B	G 2 B	G 2 B
HW	G 1 1/2 B	G 1 1/2 B	G 2 B	G 2 B
TS1	heat exchanger inlet G 1 1/2 B	G 1 1/2 B	G 1 1/2 B	G 1 1/2 B
OS1	heat exchanger outlet G 1 1/2 B	G 1 1/2 B	G 1 1/2 B	G 1 1/2 B
R	recirculation G 3/4"	G 3/4"	G 1 1/2"	G 1 1/2"
T	thermometer Ø 14 x 15	Ø 14 x 15	Ø 14 x 15	Ø 14 x 15
TR	opening for thermoregulator G 1/2"	G 1/2"	G 1/2"	G 1/2"
TS1	thermo pocket level 1 G 1/2"	G 1/2"	G 1/2"	G 1/2"
EE	opening for electric element G 1 1/2"	G 1 1/2"	G 1 1/2"	G 1 1/2"
Dimensions ±5 mm				
h	1947	2012	2193	2399
a	1952	1475	1768	1927
b	1051	1132	1168	1298
c	351	354	468	457
d	1780	1846	2061	2246
f	1273	1274	1376	1551
i	929	887	1061	1235
j	269	272	421	411
k	825	815	90	90
n	756	830	579	579
R	2012	2097	2351	2592
Ø C	950	1010	1200	1300
Ø D	930	850	1010	1100

Thread designations according to EN ISO 228-1



IHWTs for solar/boiler systems EEC Band C | without heat exchangers | 200 to 500 litres



MODEL	EV 200-60	EV 300-65	EV 400-75	EV 500-75
Art. number	301989	301402	301405	301406
Capacity	L	294	406	497
Net weight	kg	45	117	125
Insulation	mm	50	50	50
Heat losses ΔT 45K	W	59	68	91
Energy efficiency class	B	B	C	C
Maximum operational temperature	°C	95	95	95
Rated pressure	bar	8	8	8
Dimensions ±5 mm				
h	1207	1427	1407	1702
a	983	1207	1155	1445
b	714	846	813	983
c	314	314	331	321
d	993	1207	1155	1445
f	771	1010	943	1196
k	99	203	220	211
R	1345	1563	1596	1838
Ø C	600	650	750	750
Ø D	500	550	650	650
MODEL				
CW	G 1"	G 1"	G 1"	G 1"
HW	G 1"	G 1"	G 1"	G 1"
R	G 3/4"	G 3/4"	G 3/4"	G 3/4"
T	thermometer Ø 14 x 15	Ø 14 x 15	Ø 14 x 15	Ø 14 x 15
TR	opening for thermoregulator G 1/2"	G 1/2"	G 1/2"	G 1/2"
TS1	thermo pocket level 1 G 1/2"	G 1/2"	G 1/2"	G 1/2"
TS2	thermo pocket level 2 G 1/2"	G 1/2"	G 1/2"	G 1/2"
TS3	thermo pocket level 3 G 1/2"	G 1/2"	G 1/2"	G 1/2"
EE	opening for electric element G 1 1/2"	G 1 1/2"	G 1 1/2"	G 1 1/2"

Thread designations according to EN ISO 228-1