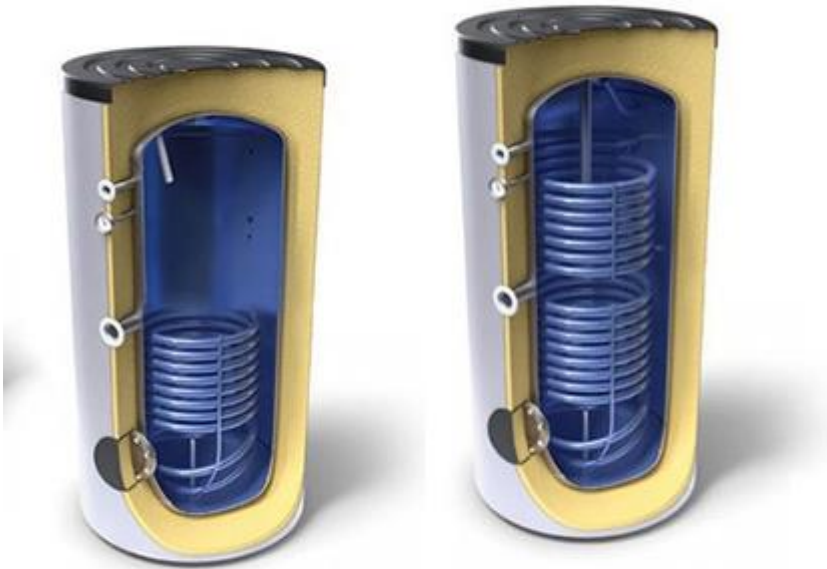


# HOT WATER TANKS BL

RANGE OF HIGH-QUALITY TANKS, IDEAL FOR THE PRODUCTION OF DOMESTIC HOT WATER

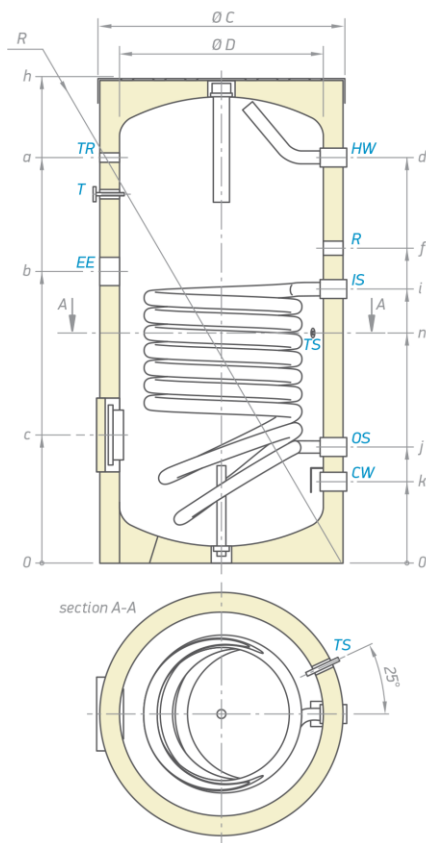


## INTEGRATED TANK FOR SOLAR AND SANITARY HOT WATER PRODUCTION

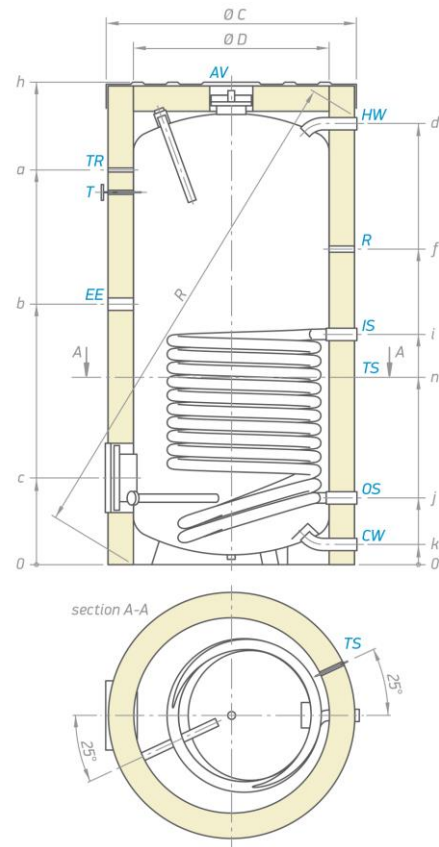
The boiler “body” is made from USD 37.2 steel plate. The boiler is (glass) enamelled with the advanced double “direct” method “fired” at 860° C

- TO BE INTEGRATED ON ALL KIND OF INSTALLATIONS
- RAPID HEATING
- HIGH EFFICIENCY FOR LOW OPERATION COST
- ABSOLUTE HYGIENE
- LONG DURABILITY WITHOUT CORROSION
- SIMPLICITY OF INTALLATION
- MAGNESIUM ANODE PROTECTION

## FLOOR STANDING STORAGE TANKS WITH ONE HEAT EXCHANGER 160-2000L



BL1 160-500



BL1 800-2000

Dimensions in mm ± 5

Model	a	b	c	d	f	i	j	k	n	R	ØC	ØD	h
<b>160</b>	785	-	314	785	602	671	284	200	360	1169	600	500	1007
<b>200</b>	993	714	314	993	771	671	284	199	564	1345	600	500	1200
<b>300</b>	1207	846	314	1207	1010	804	288	203	653	1563	650	550	1420
<b>400</b>	1156	813	331	1156	945	775	302	220	617	1596	750	650	1407
<b>500</b>	1448	986	324	1448	1199	944	299	214	750	1838	750	650	1674
<b>800</b>	1592	1051	351	1778	1273	929	269	82.5	756	2014	990	790	1937
<b>1000</b>	1475	1132	354	1847	1274	987	272	81.5	817	2100	1050	850	2002
<b>1500</b>	1768	1168	468	2061	1378	1081	421	90	579	2361	1200	1000	2193
<b>2000</b>	1927	1298	497	2246	1551	1235	411	90	578	2592	1300	1100	2399

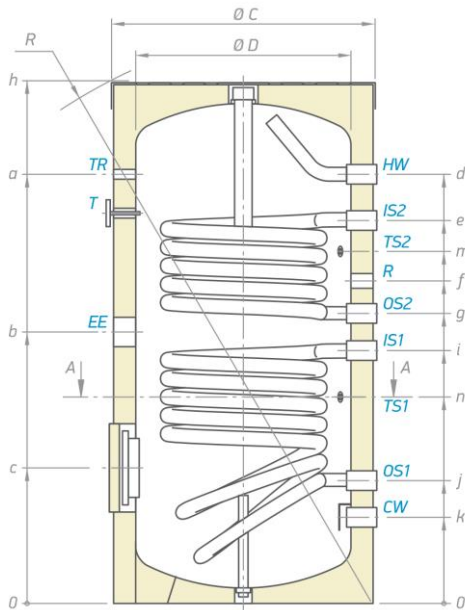
BL1		160	200	300	400	500	800	1000	1500	2000
Storage Volume	L	160	200	300	400	500	800	988	1500	1951
Weight empty	Kg	54	65	92	137	145	221	233	371	442
Insulation (rigid PU)	mm	50	50	50	50	50				
Insulation (soft PU)	mm						100	100	100	100
Heat exchanger surface S1	m <sup>2</sup>	0.96	0.96	1.45	1.65	2.25	2.89	3.45	3.3	4.5
Heat exchanger capacity S1	L	5.8	5.8	8.8	10	13.7	26.2	31.3	30.4	41.6
Exchanged power in continuous mode (max coil output) S1 *60-80/70-90°C	kW	31/39	32/40	40/53	47/61	61/73	79.8/103.7	95.2/123.8	140/175	198/250
Continuous flow of DHW at ΔT 35°C (S1)* 60-80/70-90°C	L/h	720/1020	768/955	882/1248	1002/1500	1500/1795	1963/2551	2342/3045	3450/4330	4874/6160
Maximum quantity of drawn off water MIX 45°C (**15-60°C). Power input cut off (S1)	L	180	240	330	412	553	845	1081	1660	2387
Heat losses ΔT 45K	kWh/24h	1.2	1.4	1.7	2.2	2.3	5.1	5.5	6.5	8.3
Energy Efficiency class		B	B	B	C	C	E	E	E	G
Max. working temperature boiler	°C	95	95	95	95	95	95	95	95	95
Rated pressure	bar	8	8	8	8	8	8	8	8	8
Maximum pressure	bar	12	12	12	12	12	12	12	12	12
NL factor S1			4.3	8.1	12	19	30	41	70	94
Minimum time of heating S1*80°C- **15/60°C	min	31	38	40	41	41	40	46	45	57
Thermo pockets	pieces	1	1	1	1	1	1	1	1	1

Heat exchanger Material: Enamelled Steel

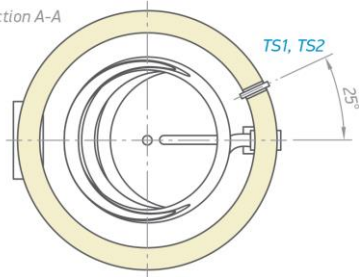
BL1

N°	CONNECTOR TYPE	150-500	800-1000	1500-2000
CW	Domestic cold water inlet	1"	1 1/2"	2"
HW	Domestic hot water outlet	1"	1 1/2"	2"
IS	Heat exchanger inlet	1"	1 1/2"	1 1/2"
OS	Heat exchanger outlet	1"	1 1/2"	1 1/2"
T	Thermometer	Φ14x1.5	Φ14x1.5	Φ14x1.5
EE	Electrical resistance	1 1/2"	1 1/2"	1 1/2"
TS	Thermostat-Sensor	1/2"	1/2"	1/2"
R	Re-circulation	3/4 "	3/4 "	1 1/2"
TR	Thermostat-Regulator	1/2"	1/2"	1/2"
AV	Air vent	-	3/4 "	3/4 "

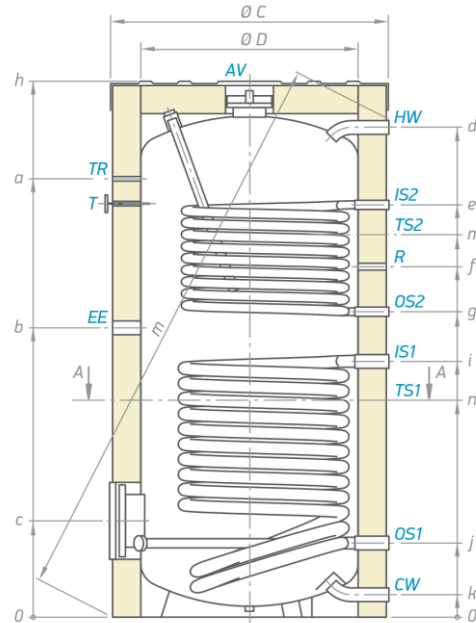
## FLOOR STANDING STORAGE TANKS WITH TWO HEAT EXCHANGERS 160-2000L



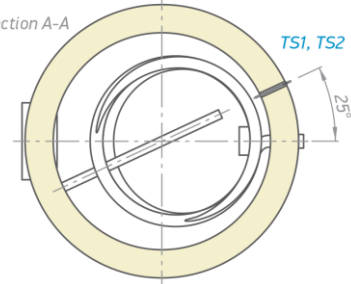
section A-A



BL2 160-500



section A-A



BL2 800-2000

Dimensions in mm ± 5

Model	a	b	c	d	e	f	g	i	j	k	m	n	R	ØC	ØD	h
<b>160</b>	785	-	314	785	741	-	569	475	204	204	-	349	1169	600	500	1007
<b>200</b>	993	714	314	993	886	746	671	585	284	199	815	478	1345	600	500	1200
<b>300</b>	1207	846	314	1207	1104	903	803	718	288	203	996	610	1563	650	550	1420
<b>400</b>	1156	813	331	1156	1073	943	858	775	302	220	998	617	1596	750	650	1407
<b>500</b>	1448	986	324	1448	1330	1165	1029	944	299	214	1265	750	1838	750	650	1674
<b>800</b>	1592	1051	351	1778	1492	1273	1105	929	269	82.5	1363	756	2014	990	790	1937
<b>1000</b>	1475	1132	354	1847	1475	1274	1174	987	272	81.5	1374	817	2100	1050	850	2002
<b>1500</b>	1768	1168	468	2061	1691	1378	1251	1081	421	90	1329	579	2361	1200	1000	2193
<b>2000</b>	1927	1287	497	2263	1875	1560	1380	1244	420	90	1537	587	2565	1300	1100	2399

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BL2		160	200	300	400	500	800	1000	1500	2000
Storage Volume	L	160	200	300	400	500	800	988	1500	1951
Weight empty	Kg	66	70	100	146	158	252	279	408	486
Insulation (rigid PU)	mm	50	50	50	50	50				
Insulation (soft PU)	mm						100	100	100	100
Heat exchanger surface S1	m <sup>2</sup>	0.61	0.75	1.21	1.65	2.25	2.89	3.45	3.3	4.5
Heat exchanger surface S2	m <sup>2</sup>	0.43	0.54	0.85	0.76	1.06	1.54	1.31	2.3	2.75
Heat exchanger capacity S1	L	3.6	4.6	7.4	10	13.7	26.2	31.3	30.4	41.6
Heat exchanger capacity S2	L	2.6	3.3	5.2	4.6	6.4	9.4	7.9	20.5	25.2
Exchanged power in continuous mode (max coil output) S1 *60-80/70-90°C	kW	20/ 14	23/ 30	34/ 46	47/ 61	61/ 73	79.8/ 103.7	95.2/ 123.8	140/ 175	198/ 250
Exchanged power in continuous mode (max coil output) S2 *60-80/70-90°C	kW	10/ 7	13/ 20	25/ 33	21/ 30	35/ 47	45/ 55.3	36.2/ 47	95 /120	108/ 142
Continuous flow of DHW at ΔT 35°C (S1)* 60-80/70-90°C	L/h	660	558/ 648	792/ 1092	1002/ 1500	1500/ 1795	1963/ 2551	2342/ 3045	3450/ 4330	4874/ 6160
Continuous flow of DHW at ΔT 35°C (S2)* 60-80/70-90°C	L/h	480	318/ 468	594/ 785	470/ 648	785/ 1002	1107/ 1360	890/ 1156	2349/ 2970	2658/ 3509
Maximum quantity of drawn off water MIX 45°C (**15-60°C). Power input cut off (S1)	L	170	225	302	405	510	823	1055	1660	2387
Maximum quantity of drawn off water MIX 45°C (**15-60°C). Power input cut off (S2)	L	85	111	151	200	250	401	503	611	806
Heat losses ΔT 45K	kWh/ 24h	1.2	1.4	1.7	2.2	2.3	5.1	5.5	6.5	8.3
Energy Efficiency class		B	B	B	C	C	E	E	E	G
Max. working temperature boiler	°C	95	95	95	95	95	95	95	95	95
Rated pressure	bar	8	8	8	8	8	8	8	8	8
Maximum pressure	bar	12	12	12	12	12	12	12	12	12
NL factor S1			4.1	8	12	18	29	40	70	94
NL factor S2			1	1.4	2	3	12	19	18	31
Minimum time of heating S1*80°C-**15/60°C	min	30	39	40	41	42	40	46	45	57
Minimum time of heating S2*80°C-**15/60°C	min	30	39	39	39	39	39	41	30	35
Thermo pockets	pcs	2	2	2	2	2	2	2	2	2

Heat exchanger Material: Enamelled Steel

BL2

N°	CONNECTOR TYPE	150-500	800-1000	1500-2000
CW	Domestic cold water inlet	1"	1 1/2"	2"
HW	Domestic hot water outlet	1"	1 1/2"	2"
IS1	Heat exchanger inlet 1	1"	1 1/2"	1 1/2"
IS2	Heat exchanger inlet 2	1"	1 1/2"	1 1/2"
OS1	Heat exchanger outlet 1	1"	1 1/2"	1 1/2"
OS2	Heat exchanger outlet 2	1"	1"	1 1/2"
T	Thermometer	Φ14x1.5	Φ14x1.5	Φ14x1.5
EE	Electrical resistance	1 1/2"	1 1/2"	1 1/2"
TS1	Thermostat-Sensor level 1	1/2"	1/2"	1/2"
TS2	Thermostat-Sensor level 2	1/2"	1/2"	1/2"
R	Re-circulation	3/4 "	3/4 "	1 1/2"
TR	Thermostat-Regulator	1/2"	1/2"	1/2"
AV	Air vent	-	3/4 "	3/4 "

DATA, DESCRIPTIONS, TECHNICAL CHARACTERISTICS AND ACCESSORIES ARE ONLY INDICATIVE, NOT BINDING AND CAN BE SUBJECTED TO VARIATIONS

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