

30th
years



HOT WATER STORAGE TANKS TECHNICAL CATALOGUE

www.unmak.com



ABOUT US

Ünlüsoy Yapı Malzemeleri Sanayi ve Ticaret Limited 1994 in Isparta to operate in the field of heating.

The company continued its activities as sales and contracting between 1994 and 1999, and in the last quarter of 1999, seeing the need in the sector, it decided to produce solid fuel boilers and gained the status of a manufacturer in the sector.

In 2001, it completed the construction of its factory building in Isparta and started production in its own factory.

In 2004, it invested in a Panel Radiator production facility in Afyonkarahisar Organized Industrial Zone and started producing Panel Radiators as of 2005.

It started producing boilers in Izmir in 2008.

In 2011, it invested in Izmir Kemalpaşa Organized Industrial Zone and started producing Hot Water Storage Tanks and Boilers.

In 2014, it decided to invest in Pancar Organize Sanayi in Izmir Torbalı region and put its Solid Fuel Boilers and Panel Radiators production facility into operation there in 2016.

After completing the investment of its second factory in Pancar Organized Industrial Zone in 2019, Boiler continues its production here.

Ünmak continues to produce Panel Radiators, Solid Fuel Boilers, Central System Heating Boilers and Hot Water Storage Tanks in a total closed area of 65,000 square meters. With the aim of producing high quality products with more than 280 qualified employees, It has reached a production capacity of 20,000 Boilers, 8,000 Central System Heating Boilers, 20,000 Hot Water Storage Tanks and 2,000,000 m Panel Radiators.

By increasing its equity capital in 2024, the company continues its commercial activities as Ünlüsoy Isıtma Sistemleri Sanayi ve Ticaret Anonim Şirket.





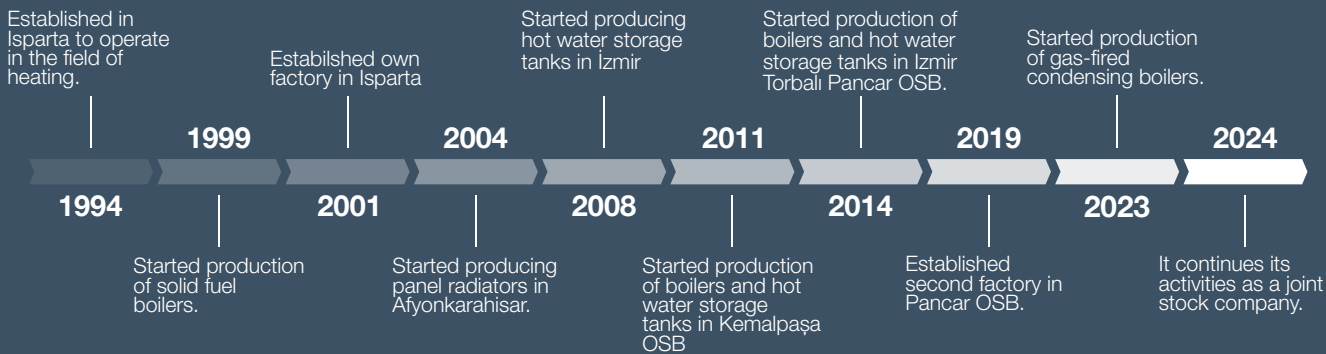
OUR VISION

To be innovative, high quality product producer with high competitive structure in international market and with powerful distribution network in domestic and international markets.

OUR MISSION

To fulfill demands of domestic and international clients with high quality products and protect environment and human health.

OUR HISTORY





HOT WATER STORAGE TANKS TECHNICAL CATALOGUE



contents

SINGLE SERPENTINE HOT WATER STORAGE TANK	4
DOUBLE SERPENTINE HOT WATER STORAGE TANK	6
HOT WATER STORAGE TANK FOR HEAT PUMPS	8
ACCUMULATION TANK	10
ELECTRIC WATER HEATER	12
BUFFER TANK	14
WALL HUNG WATER HEATER	15



FEATURES

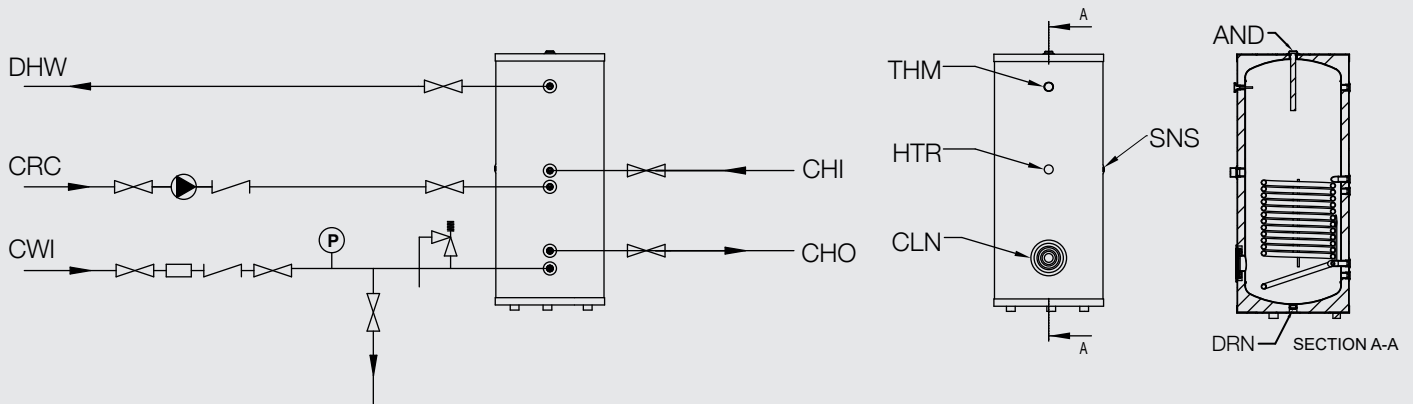
- Vertical type, takes small space
- It is long lasting
- It is hygienic with its enamel coated interior surfaces
- It looks stylish and aesthetic with its modern design
- Hot water efficiency is high
- Provides cathodic protection with magnesium anode

PARAMETERS

Max Operating Pressure	: 10 bar
Body Test Pressure	: 15 bar
Serpentine Max Operating Pressure	: 8 bar
Serpentine Test Operating Pressure	: 12 bar
Heating Fluid	: Hot Water



INSTALLATION SCHEME



DHW: Domestic Water Outlet
CHI: Central Heating Inlet
CRC: Circulation
CHO: Central Heating Outlet
CWI: Cold Water Inlet

SNS: Sensor
THM: Thermometer
HTR: Electric Heater
CLN: Cleaning Flange
AND: Anode
DRN: Drain Plug

	Valve		Strainer		Check valve
	Pump		Safety Valve		Manometer

FEATURE DETAILS

Application: It is used in the production and storage of domestic hot water.

Insulation:

100-500 L (included) 50 mm thick polyurethane
 800-3000 L (included) 60 mm thick polyurethane
 4000-5000 L (included) is provided with 80 mm thick special sponge.

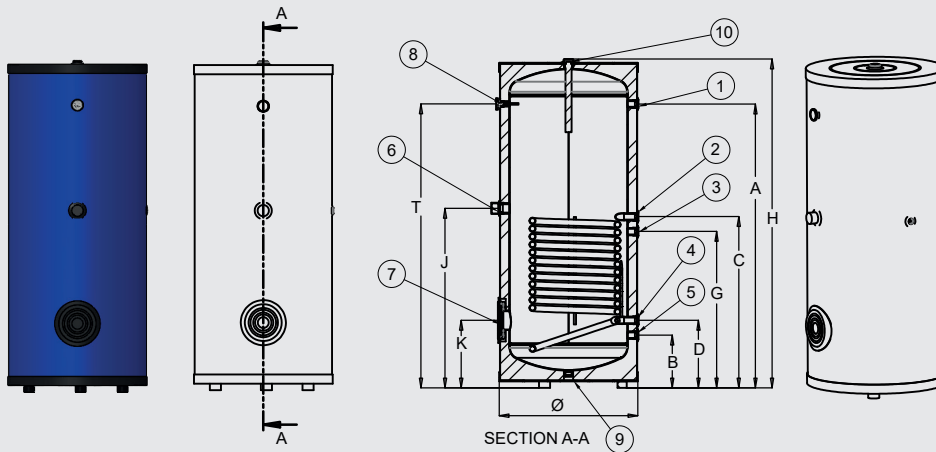
Coating Material: Is wet enamel consisting of glass/frite, silicate material, inorganic salt and natural substances.

Cathodic Protection: Is provided by magnesium anode.

Temperature display: provided by the thermometer on it.

ÜEB/T SERIES

SINGLE SERPENTINE HOT WATER STORAGE TANK



FEATURES	No	Height
Anode	10	h
Domestic Water Inlet/Outlet	5/1	B/A
Circulation	3	G
Cleaning Flange	7	K
Heater Sleeve	6	J
Thermometer	8	T
Closed Circuit Inlet/Outlet	2/4	C/D
Discharge Sleeve	9	-

Product Type ÜEB/T		100	160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Height (H)	mm	1080	1165	1310	1565	1175	1790	2085	1970	2370	2185	2265	2615	2560
Body Diameter (Ø)	mm	490	590	590	650	750	980	980	1230	1230	1425	1615	1615	1765
Thermometer (T)	mm	885	900	1100	1290	1525	1440	1790	1600	2000	1775	1850	2240	2145
A	mm	887	897	1103	1292	1535	1440	1790	1613	2013	1786	1865	2255	2158
C	mm	617	667	763	852	845	890	1110	1013	1183	1167	1195	1365	1318
G	mm	315	327	333	372	365	490	490	563	563	547	566	570	563
D	mm	317	327	333	372	365	490	490	563	563	547	575	600	553
B	mm	237	247	253	292	285	390	390	463	463	397	475	485	438
J	mm	750	800	890	975	975	1040	1265	1130	1300	1290	1315	1330	1455
K	mm	315	325	335	370	325	490	490	450	450	435	450	500	450

SINGLE SERPENTINE HOT WATER STORAGE TANK TECHNICAL FEATURES

Ürün Cinsi ÜEB/T		100	160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Rated Volume	Lt	100	160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Net Volume	Lt	94	153	187	281	477	766	953	1448	1817	2423	3106	3668	4554
Serpentine Surface Area	m²	0,63	0,95	1,2	1,5	1,9	2,5	3,4	4	4,8	5,8	6,9	8,2	9,2
Empty Weight	kg	64	86	101	128	189	277	321	465	534	613	810	956	1075
Height	mm	1080	1165	1310	1565	1790	1790	2085	1970	2370	2185	2265	2615	2560
Body Diameter	mm	490	590	590	650	750	980	980	1230	1230	1425	1615	1615	1765
Insulation	mm	50 PU	50 PU	50 PU	50 PU	50 PU	60 PU	60 PU	60 PU	60 PU	60 PU	60 PU	80 S	80 S
Domestic Water Inlet/Outlet	R"	3/4"	3/4"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"	2"
Circulation	R"	3/4"	3/4"	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"	2"
Closed Circuit Inlet/Outlet	R"	1"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Cleaning Flange	R"	4"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"
Heater Sleeve	R"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	2"	2"	2"
Lower Camber Discharge Sleeve	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	2"
Thermostat Sleeve	R"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Anode Sleeve	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"

PU: Polyurethane S: Sponge

SINGLE SERPENTINE HOT WATER STORAGE TANK CAPACITY TABLE

Boylor Hacmi			100	160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
10/45 °C	90/70 °C	kW	21,7	37,1	46,8	57,3	71,4	109,5	129,4	140,4	182,6	225,2	257,1	316,4	435
		Lt/h	536	916	1156	1416	1765	2705	3195	3468	4509	5562	6350	7815	10744
	80/60 °C	kW	15,3	26,1	32,9	40,4	50,3	77,1	91,1	98,9	128,5	158,5	181	222,7	306,2
		Lt/h	377	645	814	997	1242	1904	2249	2442	3174	3195	4469	5501	7562
	70/50 °C	kW	9,7	16,6	21	25,7	32	49,1	58	62,9	81,8	100,9	115,2	141,7	194,8
		Lt/h	240	411	518	635	791	1212	1432	1554	2020	2492	2844	3501	4813
10/60 °C	90/70 °C	kW	16,5	28,2	35,4	43,5	54,2	83	98,1	106,4	138,3	170,6	194,8	239,7	329,5
		Lt/h	286	489	616	754	939	1440	1700	1845	2399	2958	3377	4156	5713
	80/60 °C	kW	10,3	17,6	22,2	27,2	33,9	51,9	61,3	66,5	86,5	106,6	121,7	149,8	205,9
		Lt/h	179	306	385	472	587	900	1063	1153	1499	1849	2110	2597	3570
	70/50 °C	kW	5,2	8,8	11,1	13,6	16,9	25,9	30,6	33,2	43,1	53,2	60,7	74,7	84
		Lt/h	89	153	192	235	239	449	530	575	748	922	1053	1295	1456

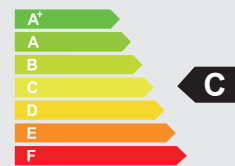


FEATURES

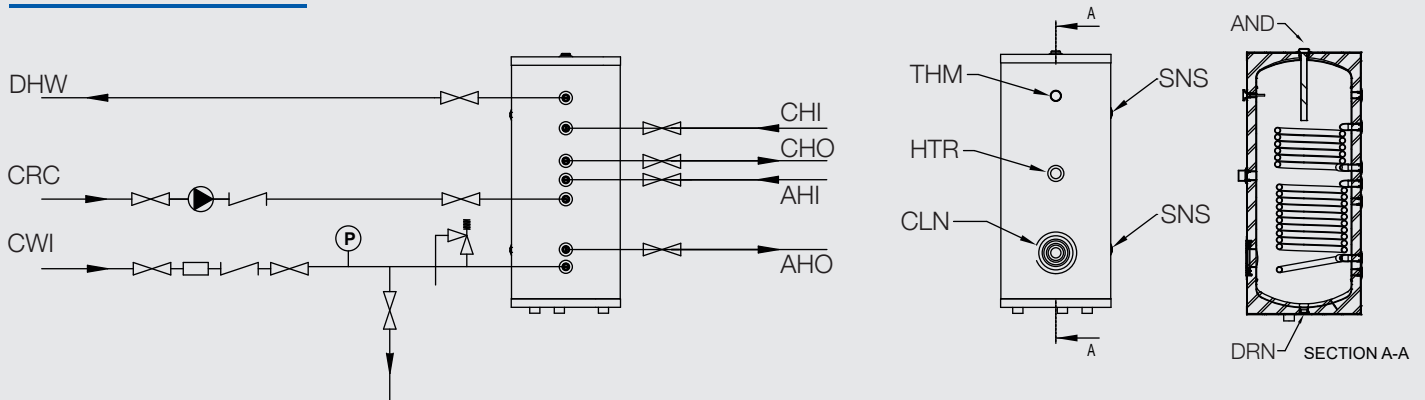
- Vertical type, takes small space
- It is long lasting
- It is hygienic with its enamel coated interior surfaces
- It looks stylish and aesthetic with its modern design
- Hot water efficiency is high
- Provides cathodic protection with magnesium anode

PARAMETERS

Max Operating Pressure	: 10 bar
Body Test Pressure	: 15 bar
Serpentine Max Operating Pressure	: 8 bar
Serpentine Test Operating Pressure	: 12 bar
Heating Fluid	: Hot Water



INSTALLATION SCHEME



DHW: : Domestic Water Outlet
CHI: Central Heating Inlet
CRC: Circulation
CHO: Central Heating Outlet
AHI: Alternative Heating Inlet
AHO: Alternative Heating Outlet

CWI: Cold Water Inlet
SNS: Sensor
THM: Thermometer
HTR: Electric Heater
CLN: Cleaning Flange
AND: Anode
DRN: Drain Plug

	Valve		Strainer		Check Valve
	Pump		Safety Valve		Manometer

FEATURE DETAILS

Application: It is used in the production and storage of domestic hot water.

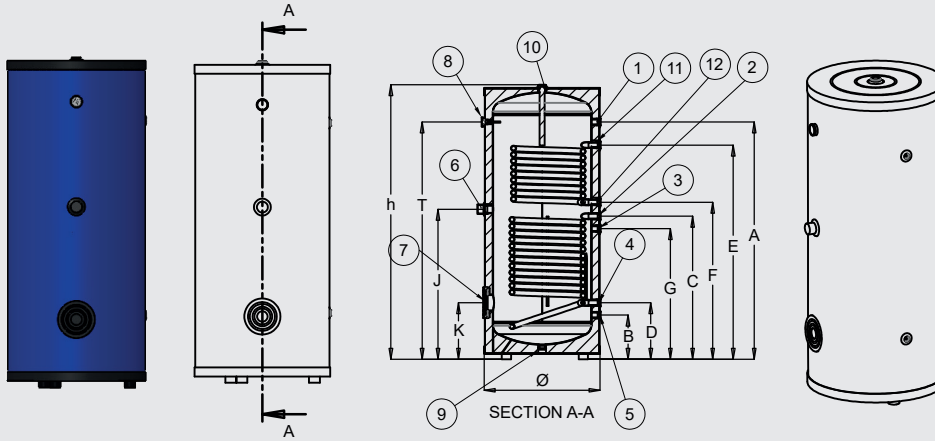
Insulation:

100-500 L (included) 50 mm thick polyurethane
 800-3000 L (included) 60 mm thick polyurethane
 4000-5000 L (included) is provided with 80 mm thick special sponge.

Coating Material: Is wet enamel consisting of glass/frite, silicate material, inorganic salt and natural substances.

Cathodic Protection: Is provided by magnesium anode.

Temperature display: Provided by the thermometer on it.



FEATURES

	No	Height
Anode	10	h
Domestic Water Inlet/Outlet	5/1	B/A
Closed Circuit Inlet/Outlet (Lower Serpentine)	2/4	C/D
Closed Circuit Inlet/Outlet (Upper Serpentine)	11/12	E/F
Circulation	3	G
Cleaning Flange	7	K
Heater Sleeve	6	J
Thermometer	8	T

Product Type ÜEB/C		160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Height (H)	mm	1165	1310	1565	1175	1790	2085	1970	2370	2185	2265	2615	2560
Body Diameter (Ø)	mm	590	590	650	750	980	980	1230	1230	1425	1615	1615	1765
Thermometer (T)	mm	907	1107	1275	1537	1440	1790	1613	2005	1792	1865	2245	2208
A	mm	907	1107	1275	1537	1440	1790	1613	2005	1792	1865	2245	2208
C	mm	567	667	775	927	990	1210	1113	1275	1217	1295	1480	1433
G	mm	487	587	675	847	890	1110	1013	1175	1117	1195	1365	1318
D	mm	341	337	355	367	490	490	563	555	497	575	600	553
B	mm	257	257	275	287	390	390	463	455	397	475	485	438
J	mm	612	712	820	972	1055	1266	1169	1331	1273	1350	1536	1489
K	mm	337	337	355	367	490	490	563	555	497	575	610	563
E	mm	797	987	1095	1387	1340	1652	1505	1717	1659	1736	2042	1995
F	mm	657	757	865	1017	1120	1322	1225	1387	1329	1406	1592	1545

DOUBLE SERPENTINE HOT WATER STORAGE TANK TECHNICAL FEATURES

Product Type ÜEB/C		160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Rated Volume	Lt	160	200	300	500	800	800	1500	2000	2500	3000	4000	5000
Net Volume	Lt	154	186	279	467	755	936	1427	1791	2392	3072	3622	4503
Lower Serpentine Surface Area	m²	0,95	1,2	1,5	1,9	2,5	3,4	4	4,8	5,8	6,9	8,2	9,2
Upper Serpentine Surface Area	m²	0,4	0,66	0,66	1,3	1,1	1,6	1,9	2,3	2,8	3,2	4,1	4,6
Empty Weight	kg	88	106	134	214	299	353	502	576	675	873	1038	1170
Height	mm	1165	1310	1565	1790	1790	2085	1970	2370	2185	2265	2615	2560
Body Diameter	mm	590	590	650	750	980	980	1230	1230	1425	1615	1615	1765
Insulation	mm	50 PU	50 PU	50 PU	50 PU	60 PU	60 PU	60 PU	60 PU	60 PU	60 PU	80 S	80 S
Domestic Water Inlet/Outlet	R"	3/4"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"	2"
Circulation	R"	3/4"	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"	2"
Closed Circuit Inlet/Outlet	R"	1"	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Cleaning Flange	R"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"
Heater Sleeve	R"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	2"	2"	2"
Lower Camber Discharge Sleeve	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	2"
Thermostat Sleeve	R"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Anode Sleeve	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"

PU: Polyurethane S: Sponge

LOWER SERPENTINE CAPACITY TABLE

Tank Volume			160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000	
10/45 °C	90/70 °C	kW	20,7	29,8	43,1	71,4	109,5	129,4	140,4	182,6	225,2	257,1	316,4	435	
		Lt/h	511	737	1063	1765	2705	3195	3468	4509	5562	6350	7815	10744	
	80/60 °C	kW	14,6	21	30,3	50,3	77,1	91,1	98,9	128,5	158,5	181	222,7	306,2	417
		Lt/h	360	519	749	1242	1904	2249	2442	3174	3915	4469	5501	7562	10174
	70/50 °C	kW	9,3	13,4	19,3	32	49,1	58	62,9	81,8	100,9	115,2	141,7	194,8	262
		Lt/h	229	331	477	791	1212	1432	1554	2020	2492	2844	3501	4813	6444
10/60 °C	90/70 °C	kW	15,7	22,7	32,7	54,2	83	98,1	106,4	138,3	170,6	194,8	239,7	329,5	440
		Lt/h	273	393	566	939	1440	1700	1845	2399	2958	3377	4156	5713	7664
	80/60 °C	kW	9,8	14,2	20,4	33,9	51,9	61,3	66,5	86,5	106,6	121,7	149,8	205,9	276
		Lt/h	170	246	354	587	900	1063	1153	1499	1849	2110	2597	3570	4781
	70/50 °C	kW	4,9	7,1	10,2	16,9	25,9	30,6	33,2	43,1	53,2	60,7	74,7	102,7	137
		Lt/h	85	123	177	293	449	530	575	748	922	1053	1295	1781	2392

UPPER SERPENTINE CAPACITY TABLE

Tank Volume			160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
10/45 °C	90/70 °C	kW	12,5	21,4	24	47,7	48,9	59,9	70,4	84,4	104,2	118,9	158,4	178,2
		Lt/h	309	528	593	1178	1208	1479	1739	2086	2573	2937	3913	4402
	90/70 °C	kW	8,8	15	16,9	33,6	34,4	42,2	49,6	59,4	73,3	83,7	111,5	125,4
		Lt/h	217	372	417	829	850	1041	1224	1468	1811	2067	2754	3098
	90/70 °C	kW	5,6	9,6	10,8	21,4	21,9	26,8	31,5	37,8	46,7	53,3	71	79,8
		Lt/h	138	237	266	528	541	663	779	935	1153	1316	1753	1972
10/60 °C	90/70 °C	kW	9,5	16,2	18,2	36,2	37,1	45,4	53,4	64	78,9	90,1	120	135
		Lt/h	165	281	316	627	643	787	925	1110	1368	1562	2081	2341
	90/70 °C	kW	5,9	10,1	11,4	22,6	23,2	28,4	33,3	40	49,3	56,3	75	84,4
		Lt/h	103	176	197	392	402	492	578	693	855	976	1300	1463
	90/70 °C	kW	3	5,1	5,7	11,3	11,6	14,2	16,6	20	24,6	28,1	37,4	42,1
		Lt/h	51	88	99	196	201	246	288	346	427	487	649	730



FEATURES

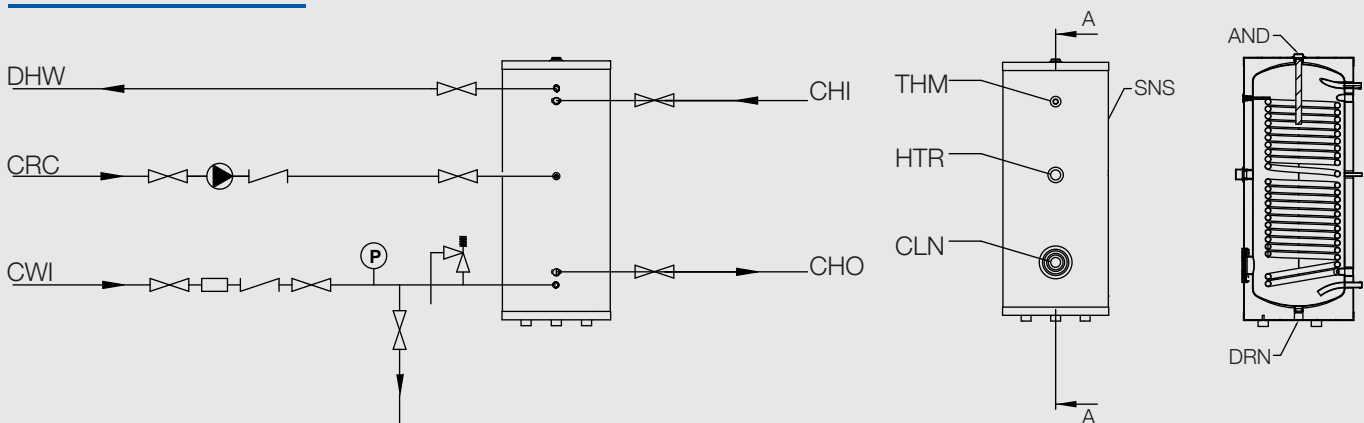
- Designed especially for heat pumps
- Vertical type, takes small space
- It is long lasting
- It is hygienic with its enamel coated interior surfaces
- It looks stylish and aesthetic with its modern design
- Hot water efficiency is high
- Provides cathodic protection with magnesium anode
- To use with heat pumps, serpentine surface area was increased.

PARAMETERS

Max Operating Pressure	: 10 bar
Body Test Pressure	: 15 bar
Serpentine Max Operating Pressure	: 8 bar
Serpentine Test Pressure	: 12 bar
Heating Fluid	: Hot Water



INSTALLATION SCHEME



DHW: Domestic Water Outlet
CHI: Central Heating Inlet
CRC: Circulation
CHO: Central Heating Outlet
AHI: Alternative Heating Inlet
AHO: Alternative Heating Outlet

CWI: Cold Water Inlet
SNS: Sensor
THM: Thermometer
HTR: Electric Heater
CLN: Cleaning Flange
AND: Anode
DRN: Drain Plug

	Valve		Strainer		Check Valve
	Pump		Safety Valve		Manometer

FEATURE DETAILS

Application: Used for production and storage of domestic hot water.

Insulation:

200-500 L (inclusive) 50 mm thick polyurethane

800-1000 L (inclusive) supplied with 60 mm thick polyurethane.

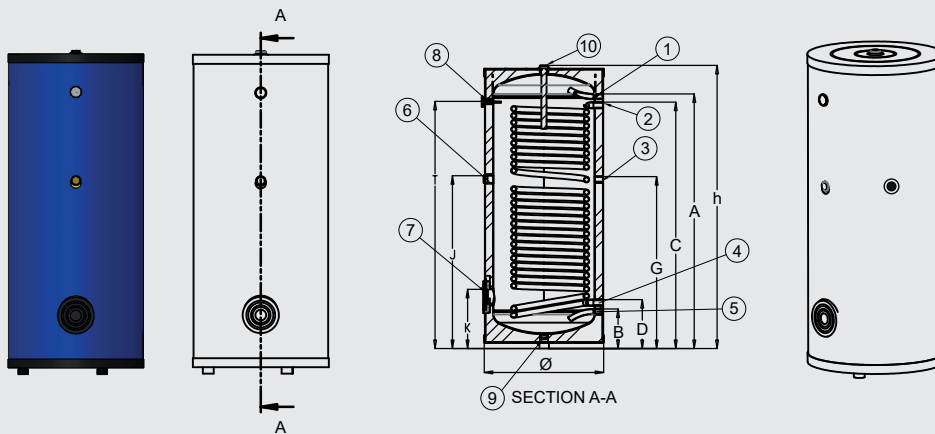
Coating Material: Is wet enamel consisting of glass/frit, silicate material, inorganic salt and natural substances.

Cathodic Protection: Is provide by magnesium anode.

Temperature Display: Provided by thermometer in it.

ÜEB/HP SERIES

HOT WATER STORAGE TANK FOR HEAT PUMPS



FEATURES

	No	Height
Anode	10	h
Domestic Water Inlet/Outlet	5/1	B/A
Circulation	3	G
Cleaning Flange	7	K
Heating Sleeve	6	J
Thermometer	8	T
Closed Circuit Inlet/Outlet	2/4	C/D
Discharge Sleeve	9	-

Product Type ÜEB/HP		200	300	400	500	800	1000
Height (H)	mm	1310	1565	1580	1175	1790	2085
Body Diameter (Ø)	mm	590	650	770	750	980	980
Thermometer (T)	mm	1132	1338	1328	1548	1440	1790
A	mm	1197	1418	1363	1583	1440	1840
C	mm	1117	1338	1308	1528	1340	1790
G	mm	779	891	878	1063	990	990
D	mm	267	318	298	288	490	390
B	mm	187	238	232	239	390	340
J	mm	779	891	878	1063	1055	1055
K	mm	307	358	333	323	490	490

HOT WATER STORAGE TANK FOR HEAT PUMPS TECHNICAL FEATURES

Product Type ÜEB/HP		200	300	400	500	800	1000
Rated Volume	Lt	200	300	400	500	800	1000
Net Volume	Lt	179	266	386	455	739	919
Serpentine Surface Area	m²	2,22	3,35	3,92	4,69	5,25	6,28
Empty Weight	kg	150	199	249	294	428	501
Height	mm	1310	1565	1565	1790	1790	2085
Body Diameter	mm	590	650	770	750	980	980
Insulation	mm	50 PU	50 PU	50 PU	50 PU	60 PU	60 PU
Domestic Water Inlet/Outlet	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Circulation	R"	3/4"	3/4"	1"	1"	1"	1"
Closed Circuit Inlet/Outlet	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Cleaning Flange	R"	4"	4"	4"	4"	5"	5"
Heater Sleeve	R"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"
Lower Camber Discharge Sleeve	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Thermostat Shell	R"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Anode Sleeve	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"

PU: Polyurethane

HOT WATER STORAGE TANK FOR HEAT PUMPS CAPACITY TABLE

Tank Volume			200	300	400	500	800	1000
10/45 °C	55/50 °C	kW	16,8	18,1	18,2	18,3	34,9	35,3
		Lt/h	421	452	457	460	877	887

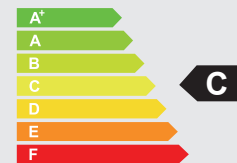


FEATURES

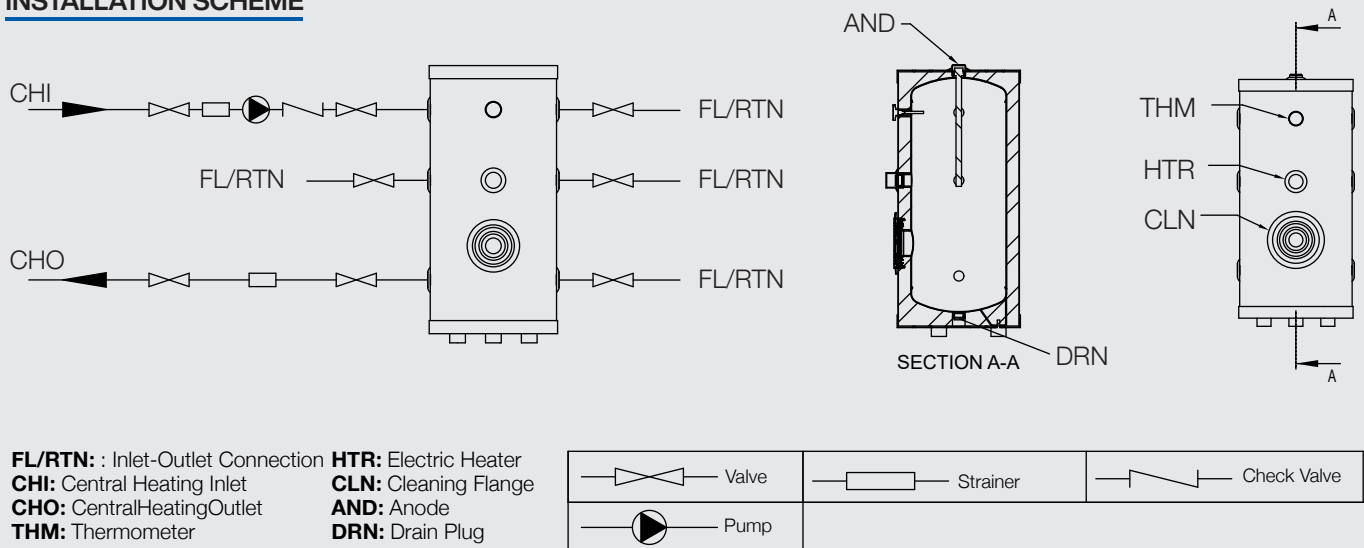
- Provides cathodic protection with magnesium anode
- With wet enamel coating on its body provides protection for many years
- It looks stylish and aesthetic with its modern design
- It is vertical type and takes up little space.
- Minimizes heat loss with its polyurethane insulation

PARAMETERS

Max Operating Pressure : 10 bar
Body Test Pressure : 15 bar
Heating Fluid : Hot Water



INSTALLATION SCHEME



FEATURE DETAILS

Application: It is used in the production and storage of domestic hot water.

Insulation:

100-500 L (included) 50 mm thick polyurethane
800-3000 L (included) 60 mm thick polyurethane
4000-5000 L (included) is provided with 80 mm thick special sponge.

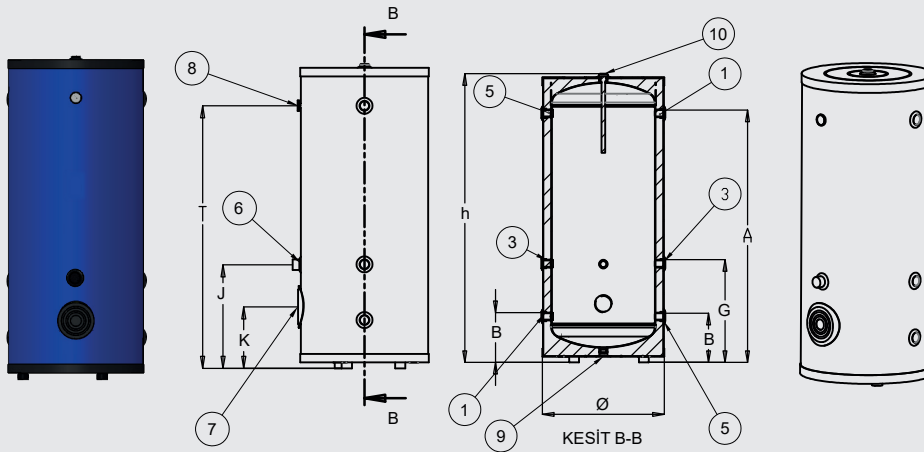
Coating Material: Is wet enamel consisting of glass/frite, silicate material, inorganic salt and natural substances.

Cathodic Protection: Is provided by magnesium anode.

Temperature Display: Provided by the thermometer on it.

ÜAT SERIES

ACCUMULATION TANK



FEATURES

	No	Height
Anode	10	h
Domestic Water Inlet/Outlet	5/1	B/A
Circulation	3	G
Cleaning Flange	7	K
Heater Sleeve	6	J
Thermometer	8	T
Discharge Sleeve	9	M

Product Type ÜAT		100	160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Height (H)	mm	1080	1165	1310	1565	1175	1790	2085	1970	2370	2185	2265	2615	2560
Body Diameter (Ø)	mm	490	590	590	650	750	980	980	1230	1230	1425	1615	1615	1765
Thermometer (T)	mm	890	903	1097	1293	1533	1140	1790	1613	2013	1792	1870	2220	2173
A	mm	890	903	1097	1293	1533	1440	1790	1613	2013	1792	1870	2220	2173
J	mm	520	513	517	595	605	773	840	863	863	832	910	910	1008
K	mm	370	333	327	350	360	490	490	563	563	492	570	570	523
G	mm	620	513	517	598	608	775	840	863	863	863	910	910	1008
B	mm	240	253	247	273	283	390	390	463	463	329	470	470	423

ACCUMULATION TANK TECHNICAL FEATURES

Product Type ÜAT		100	160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Rated Volume	Lt	100	160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Net Volume	Lt	98	162	198	294	493	791	990	1487	1868	2486	3179	3757	4651
Empty Weight	kg	51	69	77	101	154	226	260	391	447	514	698	801	895
Height	mm	1080	1165	1310	1565	1175	1790	2085	1970	2370	2185	2265	2615	2560
Body Diameter	mm	490	590	590	650	750	980	980	1230	1230	1425	1615	1615	1765
Insulation	mm	50 PU	50 PU	50 PU	50 PU	50 PU	60 PU	60 PU	60 PU	60 PU	60 PU	60 PU	80 S	80 S
Domestic Water Inlet/Outlet	R"	3/4"	3/4"	3/4"	1"	1"	1/4"	1/4"	1/4"	1/4"	1 1/2"	1 1/2"	2"	2"
Circulation	R"	3/4"	3/4"	3/4"	1"	1"	1/4"	1/4"	1/4"	1/4"	1 1/2"	1 1/2"	2"	2"
Cleaning Flange	R"	4"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"
Heater Sleeve	R"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2"	2"	2"	2"
Lower Camber Discharge Sleeve	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	2"	2"	2"	2"
Thermostat Sleeve	R"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Anode Sleeve	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"



FEATURES

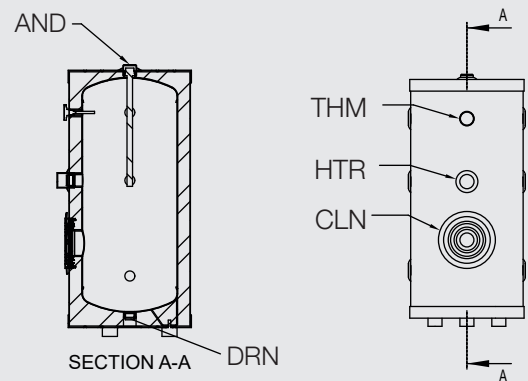
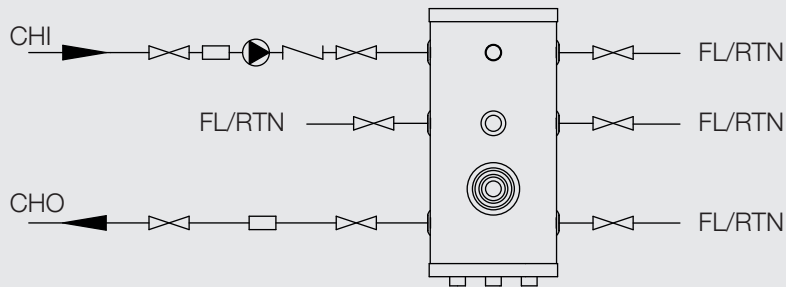
- Provides cathodic protection with magnesium anode
- With wet enamel coating on its body provides protection for many years
- It is vertical type and takes up little space
- Provides the opportunity to select heating resistance at the desired power according to need

PARAMETERS

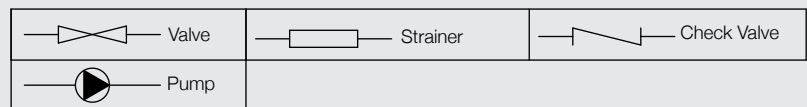
Max Operating Pressure : 10 bar
Body Test Pressure : 15 bar
Heating Fluid : Hot Water



INSTALLATION SCHEME



FL/RTN: Inlet-Outlet Connection
CHI: Central Heating Inlet
CHO: Central Heating Outlet
THM: Thermometer
HTR: Electric Heater
CLN: Cleaning Flange
AND: Anode
DRN: Drain Plug



FEATURE DETAILS

Application: It is used in the production and storage of domestic hot water.

Insulation:

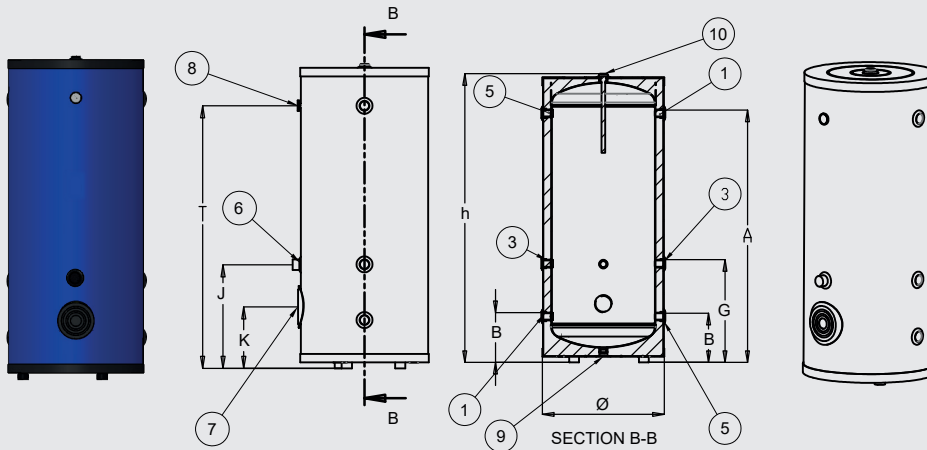
100-500 L (included) 50 mm thick polyurethane
800-3000 L (included) 60 mm thick polyurethane
4000-5000 L (included) is provided with 80 mm thick special sponge.

Coating Material: Is wet enamel consisting of glass/frite, silicate material, inorganic salt and natural substances.

Cathodic Protection: Is provided by magnesium anode.

Temperature Display: Provided by the thermometer on it.

ÜEB/E SERIES ELECTRIC WATER HEATER



FEATURES

	No	Height
Anode	10	h
Domestic Water Inlet/Outlet	5/1	B/A
Circulation	3	G
Cleaning Flange	7	K
Heater Sleeve	6	J
Thermometer	8	T
Discharge Sleeve	9	M

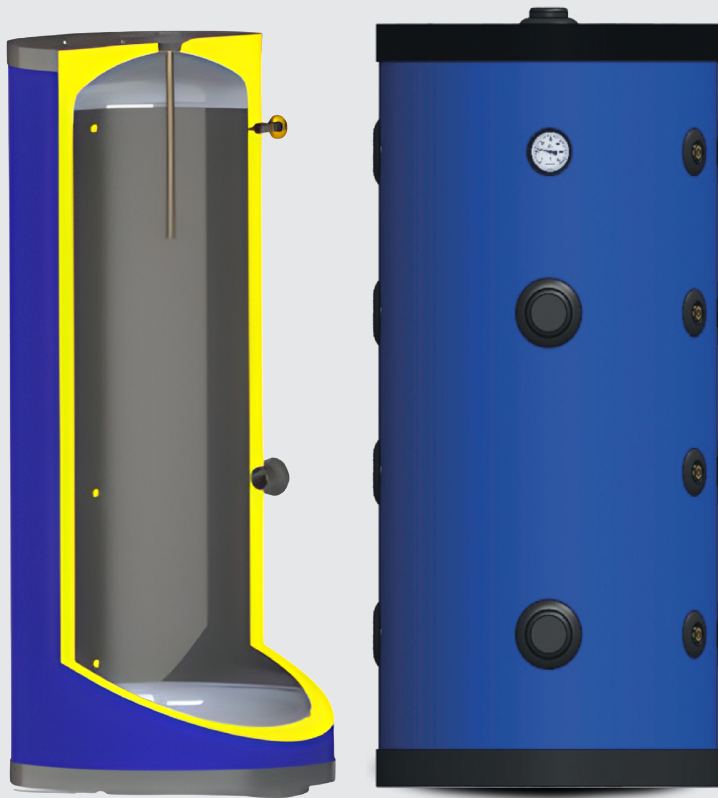
Product Type ÜEB/E		100	160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Height (H)	mm	1080	1165	1310	1565	1175	1790	2085	1970	2370	2185	2265	2615	2560
Body Diameter (Ø)	mm	490	590	590	650	750	980	980	1230	1230	1425	1615	1615	1765
Thermometer (T)	mm	890	903	1097	1293	1533	1140	1790	1613	2013	1792	1870	2220	2173
A	mm	890	903	1097	1293	1533	1440	1790	1613	2013	1792	1870	2220	2173
J	mm	520	513	517	595	605	773	840	863	863	832	910	910	1008
K	mm	370	333	327	350	360	490	490	563	563	492	570	570	523
G	mm	620	513	517	598	608	775	840	863	863	863	910	910	1008
B	mm	240	253	247	273	283	390	390	463	463	329	470	470	423

ELECTRIC WATER HEATER TECHNICAL DETAILS

Product Type ÜEB/E		100	160	200	300	500	800	1000	1500	2000
Rated Volume	Lt	100	160	200	300	500	800	1000	1500	2000
Net Volume	Lt	98	162	198	294	493	791	990	1487	1868
Empty Weight	kg	57	75	83	107	161	234	268	399	455
Heater Power	kW	4	4	7,5	12	20	24	30	36	45
Height	mm	1080	1165	1310	1565	1790	1790	2085	1970	2370
Body Diameter	mm	490	590	590	650	750	980	980	1230	1230
Insulation	mm	50 PU	50 PU	50 PU	50 PU	50 PU	60 PU	60 PU	60 PU	60 PU
Domestic Water Inlet/Outlet	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Circulation	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Cleaning Flange	R"	4"	4"	4"	4"	4"	5"	5"	5"	5"
Heater Sleeve	R"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
Number of Heaters	Pcs	1	1	1	2	2	3	3	3	3
Lower Camber Discharge Sleeve	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Thermostat Shell	R"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Anode Sleeve	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"

PANEL FOR ELECTRICAL ADVICE

Type	ÜRP 1X4	ÜRP 1X7,5	ÜRP 1X10	ÜRP 1X12	ÜRP 1X15	ÜRP 2X4	ÜRP 2X7,5	ÜRP 2X10	ÜRP 2X12	ÜRP 2X15	ÜRP 3X4	ÜRP 3X7,5	ÜRP 3X10	ÜRP 3X12	ÜRP 3X15
Heater Quantity (Pieces)	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3
Heater Power (kW)	4	7,5	10	12	15	4	7,5	10	12	15	4	7,5	10	12	15
Total Heater Power (kW)	4	8	10	12	15	8	15	20	24	30	12	22,5	30	36	45
Electricity (V-Hz)	400-50	400-50	400-50	400-50	400-50	400-50	400-50	400-50	400-50	400-50	400-50	400-50	400-50	400-50	400-50



FEATURES

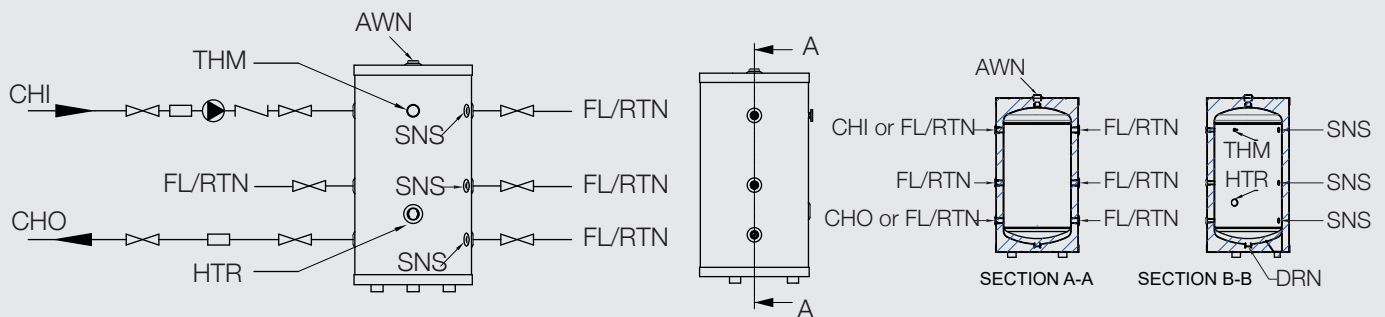
- It is vertical type and takes up little space.
- Economical and long lasting
- With its modern design
- Looks stylish and aesthetic
- Minimizes heat loss with its insulation
- It is designed to increase the closed circuit water volume in heating and cooling systems and reduce the number of boiler start-ups.

PARAMETERS

Max Operating Pressure : 6 bar
Body Test Pressure : 9 bar
Heating Fluid : Hot Water

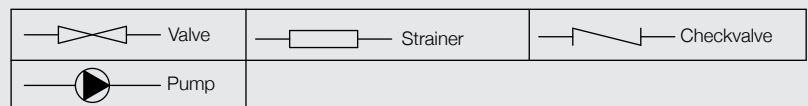


INSTALLATION SCHEME



CHI: Central Heating Inlet
CHO: Central Heating Outlet
FL/RTN: Inlet/Outlet Connection
HTR: Electric Heater

THM: Thermometer
Awn: Air Vent
DRN: Draining Plug
SNS: Sensor



FEATURE DETAILS

Application: It is used in the production and storage of domestic hot water.

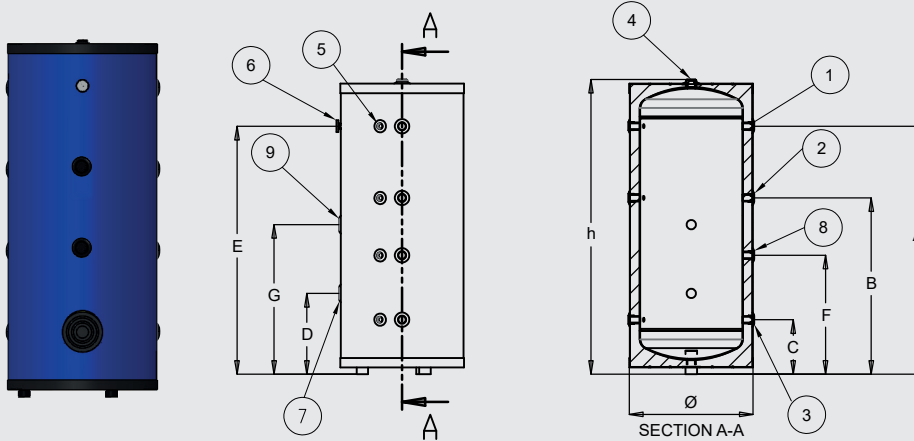
Insulation:

100-500 L (included) 50 mm thick polyurethane
800-3000 L (included) 60 mm thick polyurethane
4000-5000 L (included) is provided with 80 mm thick special sponge.

Connection:

100-500 L (included) is made with 6 connection sleeves
800-2000 L (included) is made with 8 connection sleeves

Temperature Display: Provided by the thermometer on it.



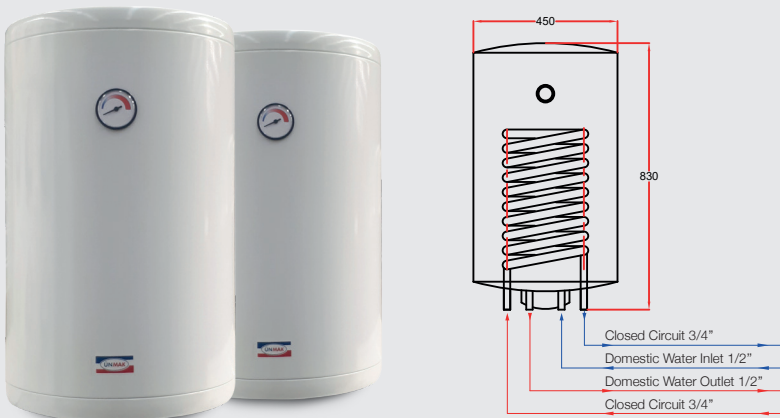
FEATURES	No	Height
Flow and Return	1	A
Flow and Return	2	B
Flow and Return	3	C
Blind Plug	4	h
Sensors	5	-
Thermometer	6	E
Cleaning Flange	7	D
Flow and Return	8	F
Heater	9	G

Product Type ÜBT		50	100	160	200	250	300	400	500	800	1000	1500	2000
Height (H)	mm	880	1072	1152	1302	1262	1542	1542	1772	1730	2080	1963	2363
Body Diameter (Ø)	mm	427	490	590	590	647	647	750	750	980	980	1230	1230
A	mm	718	882	903	1103	1053	1297	1300	1530	1425	1775	1610	2008
B	mm	425	507	528	728	592	922	685	685	1076	1426	1223	1487
C	mm	225	240	260	260	272	285	290	290	405	405	478	478
D	mm	325	367	388	388	432	412	489	488	405	405	592	478
E	mm	718	718	903	1103	1053	1297	1300	1530	1425	1787	1610	2007
F	mm	-	-	-	-	-	-	-	-	690	690	789	923
G	mm	-	-	-	-	-	-	-	-	1076	1426	1223	1487

BUFFER TANK TECHNICAL FEATURES

Product Type		ÜBT 50	ÜBT 100	ÜBT 160	ÜBT 200	ÜBT 250	ÜBT 300	ÜBT 400	ÜBT 500	ÜBT 800	ÜBT 1000	ÜBT 1500	ÜBT 2000
Rated Volume	Lt	50	100	160	200	250	300	400	500	800	1000	1500	2000
Net Volume	Lt	56	98	162	198	238	294	390	493	791	990	1487	1868
Empty Weight	kg	30	51	69	77	85	101	130	154	226	260	391	447
Height	mm	880	1072	1152	1302	1262	1542	1542	1790	1790	2080	1963	2363
Body Diameter	mm	427	490	590	590	647	647	750	750	980	980	1230	1230
Insulation	mm	50 PU	50 PU	50 PU	50 PU	50 PU	50 PU	50 PU	50 PU	60 PU	60 PU	60 PU	60 PU
Inlet/Outlet Sleeve	R"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
Sensor Connection Quantity	Pcs	6	6	6	6	6	6	6	6	8	8	8	8
Sensor Connection Sleeve	R"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Number of Sensor Connection	Pcs	3	3	3	3	3	3	3	3	4	4	4	4
Circulation Sleeve	R"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
Heater Sleeve	R"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"
Heater Seeve Quantity	Pcs	1	1	1	1	1	1	1	1	2	2	2	2
Lower Chamber Discharge Sleeve	R"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Thermostat Shell	R"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"

WALL HUNG WATER HEATER



FEATURES

- Provides energy savings
- Hot water efficiency is high with its special coil design
- Thermal insulation is high with polyurethane insulation
- Provides safe use with additional safety thermostat
- The inner surface is protected against corrosion with wet enamel coating and is long-lasting
- There is a safety valve against sudden pressure increases
- Maximum delivery pressure: 10 bar

WALL HUNG WATER HEATER TECHNICAL FEATURES

Product Type	Outer Diameter	Height (H)	Radiator Inlet/Outlet	Cold Water Inlet/Outlet	Heater Sleeve	Heater Power	Heater Surface	Grid Voltage	Insulation
ÜTB 80	435 mm	950 mm	3/4"	1/2"	125	1900 watt	0.6 m²	230 V/AC	Polyurethane

NOTES



“Feel The Heat...”

 **444 35 32**

www.unmak.com

 +90 **444 35 32**

ÜNLÜSOY Isıtma Sistemleri

Sanayi ve Ticaret Anonim Şirketi

Address

İzmir Pancar Organize San. Bölgesi
10. Cad. No: 2 Torbalı / İZMİR / TURKEY

Address

Sanayi Mahallesi 104. Cad.
No: 11 ISPARTA / TURKEY

 unmakisitma

 unmakisitmasistemleri

 www.unmak.com

 export@unmak.com

