HOT WATER STORAGE TANKS TECHNICAL CATALOGUE

ÜNMAK
HEATING SYSTEMS

CONTACT

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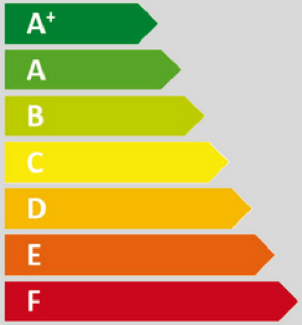

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Pressure Equipment Directive 2014/68/EU

Low Voltage Directive 2014/35/EU

TS EN ISO 9001:2015

1837

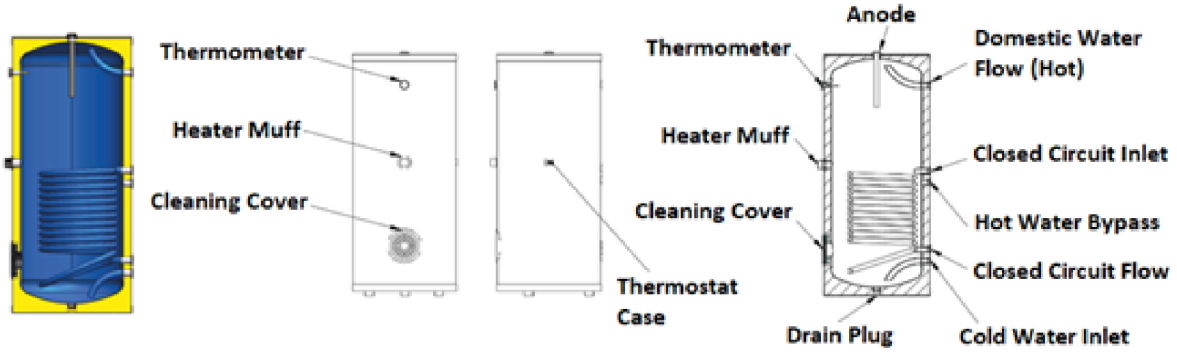
ABOUT ÜNMAK

Ünlüsoy Yapı Malzemeleri Sanayi Ticaret Ltd. Şti. is family founded company established in 1994 in Isparta/Turkey for purpose to operate in heating sector.
The company continued activities as dealer and contractor from 1994 to 1999, in the last quarter of 1999 seeing the need in heating sector and by starting production of solid fuel boilers became a boiler manufacturer. Following philosophy of infinite consumer satisfaction the company had reached its current position in heating sector.
The company had made an investment for production of panel radiators in Afyonkarahisar/Turkey in 2006 and in Izmir/Turkey for production of solid fuel boilers and water storage tanks in 2012.
Today the company had reached the capacity of 2.000.000. pieces panel radiators, more than 10.000 pieces boilers and water storage tanks annually with more than 240 qualified workers who are focused on high quality production and best service.
New production facility in Izmir/Turkey is launched in 2014. The company offers to Turkey wide its high quality products throught more than 300 dealers and fulfills after sales service with more than 200 service points.
As a result of global marketing activities the company export its products more than 40 countries and the company had awarded in 2011-2012-2013 years.

Single Serpentine Hot Water Storage Tanks

- Vertical type, takes up little space
- Economic and long-lasting
- It is hygienic
- It is stylish and aesthetic with its modern design.
- It is highly efficient
- Cathodic protected with magnesium anode

Cold Media Max. Operating Pressure=	10 bar
Hot Media Max. Operating Pressure=	8 bar
Cold Media Max. Temperature=	95 °C
Hot Media Max. Temperature=	110 °C
Serpentine Test Pressure=	12 bar
Test Pressure of Body Shell=	15 bar
Hot Media Type=	Hot Water



TECHNICAL FEATURES

PRODUCT TYPE		ÜEB/T-100	ÜEB/T-160	ÜEB/T-200	ÜEB/T-300	ÜEB/T-500	ÜEB/T-800	ÜEB/T-1000	ÜEB/T-1500	ÜEB/T-2000	ÜEB/T-2500	ÜEB/T-3000	ÜEB/T-4000	ÜEB/T-5000
Rated Volume	Lt	100	160	200	300	500	800	1.000	1.500	2.000	2.500	3.000	4.000	5.000
Real Volume	Lt	94	153	187	281	477	766	953	1.448	1.817	2.423	3.106	3.668	4.554
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
Weight	kg	64	86	101	128	189	277	321	465	534	613	810	956	1075
Height	mm	1080	1165	1310	1565	1175	1790	2085	1970	2370	2185	2265	2615	2560
Shell 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 Flow/Return	R"	¾"	¾"	¾"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Circulation	R"	¾"	¾"	¾"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Closed Circuit(s) Flow/Return	R"	1"	1"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Cleaning Muff	R"	4"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"
Heater Muff	R"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"	2"	2"	2"	2"
Drain Plug	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	2"	2"	2"	2"
Thermostat Muff	R"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"
Anode Muff	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"

SINGLE SERPENTINED WATER STORAGE TANK CAPACITY TABLE

Tank Volume (Lt)			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	1.156	1.416	1.765	2.705	3.195	3.468	4.509	5.562	6.350	7.815	10.744
	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	1.242	1.904	2.249	2.442	3.174	3.915	4.469	5.501	7.562
	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	1.212	1.432	1.554	2.020	2.492	2.844	3.501	4.813
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	1.440	1.700	1.845	2.399	2.958	3.377	4.156	5.713
	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	1.063	1.153	1.499	1.849	2.110	2.597	3.570
	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	1.053	1.295	1.456

Heating Element Model				Water heating time from 15 °C to 60 °C (minutes)						
Heater Power (kW)	Voltage (V)	Connection (inch)	Length (mm)	Tank Volume (L)						
				100	160	200	300	500	1000	2000
3	230 *M	1 ½"	350	105	167	209	314	523	1046	2092
4	400/230	1 ½"	350	78	126	157	235	392	785	1569
6	400/230	1 ½"	350	52	84	105	157	262	523	1046
6	400/230	2"	600	NA	NA	NA	157	262	523	1046
7.5	400/230	1 ½"	350	42	67	84	126	209	418	837
7.5	400/230	2"	450	42	67	84	126	209	418	837
10	400/230	1 ½"	450	31	50	63	94	157	314	628
10	400/230	2"	600	NA	NA	NA	94	157	314	628
12	400/230	1 ½"	450	26	42	52	78	131	262	523
12	400/230	2"	600	NA	NA	NA	78	131	262	523
15	400/230	2"	700	NA	NA	NA	NA	105	209	418

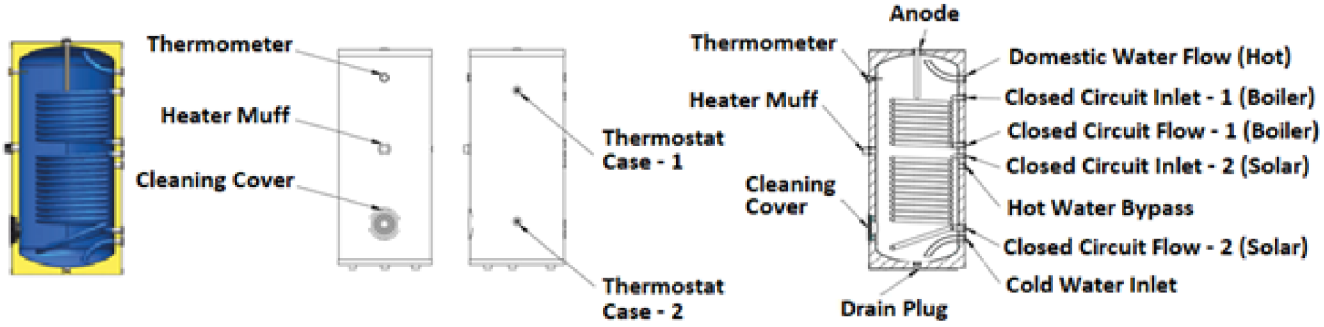
NA: Not applicable for the tank *M: Only 3 kW heaters are single-phase

The values given above are approximate and are for information only.

Double Serpentine Hot Water Storage Tanks

- Vertical type, takes up little space
- Economic and long-lasting
- It is hygienic
- It is stylish and with its modern design.
- It is highly efficient
- Cathodic protected with magnesium anode

Cold Media Max. Operating Pressure=	10 bar
Hot Media Max. Operating Pressure=	8 bar
Cold Media Max. Temperature=	95 °C
Hot Media Max. Temperature=	110 °C
Serpentine Test Pressure=	12 bar
Test Pressure of Body Shell=	15 bar
Hot Media Type=	Hot Water



TECHNICAL FEATURES													
PRODUCT TYPE		ÜEB/Ç-160	ÜEB/Ç-200	ÜEB/Ç-300	ÜEB/Ç-500	ÜEB/Ç-800	ÜEB/Ç-1000	ÜEB/Ç-1500	ÜEB/Ç-2000	ÜEB/Ç-2500	ÜEB/Ç-3000	ÜEB/Ç-4000	ÜEB/Ç-5000
Rated Volume	Lt	160	200	300	500	800	1.000	1.500	2.000	2.500	3.000	4.000	5.000
Real Volume	Lt	154	186	279	467	755	936	1.427	1.791	2.392	3.072	3.622	4.503
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
Weight	kg	88	106	134	214	299	353	502	576	675	873	1038	1170
Height	mm	1165	1310	1565	1175	1790	2085	1970	2370	2185	2265	2615	2560
Shell 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 Flow/Return	R"	¾"	¾"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Circulation	R"	¾"	¾"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Closed Circuit(s) Flow/Return	R"	1"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Cleaning Muff	R"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"
Heater Muff	R"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"	2"	2"	2"	2"
Drain Plug	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	2"	2"	2"	2"
Thermostat Muff	R"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"
Anode Muff	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"

Heating Element Model				Water heating time from 15 °C to 60 °C (minutes)					
Heater Power (kW)	Voltage (V)	Connection (inch)	Length (mm)	Tank Volume (L)					
				160	200	300	500	1000	2000
3	230 *M	1 ½"	350	167	209	314	523	1046	2092
4	400/230	1 ½"	350	126	157	235	392	785	1569
6	400/230	1 ½"	350	84	105	157	262	523	1046
6	400/230	2"	600	NA	NA	157	262	523	1046
7.5	400/230	1 ½"	350	67	84	126	209	418	837
7.5	400/230	2"	450	67	84	126	209	418	837
10	400/230	1 ½"	450	50	63	94	157	314	628
10	400/230	2"	600	NA	NA	94	157	314	628
12	400/230	1 ½"	450	42	52	78	131	262	523
12	400/230	2"	600	NA	NA	78	131	262	523
15	400/230	2"	700	NA	NA	NA	105	209	418

NA: Not applicable for the tank *M: Only 3 kW heaters are single-phase

The values given above are approximate and are for information only.

DOUBLE SERPENTINED WATER STORAGE TANK BOTTOM SERPENTINE CAPACITY TABLE

Tank Volume (Lt)			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	1.063	1.765	2.705	3.195	3.468	4.509	5.562	6.350	7.815	10.744
	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
		Lt/h	360	519	749	1.242	1.904	2.249	2.442	3.174	3.915	4.469	5.501	7.562
	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
		Lt/h	229	331	477	791	1.212	1.432	1.554	2.020	2.492	2.844	3.501	4.813
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
		Lt/h	273	393	566	939	1.440	1.700	1.845	2.399	2.958	3.377	4.156	5.713
	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
		Lt/h	170	246	354	587	900	1.063	1.153	1.499	1.849	2.110	2.597	3.570
	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
		Lt/h	85	123	177	293	449	530	575	748	922	1.053	1.295	1.781

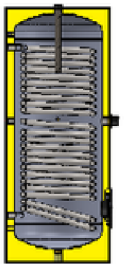
DOUBLE SERPENTINED WATER STORAGE TANK UPPER SERPENTINE CAPACITY TABLE

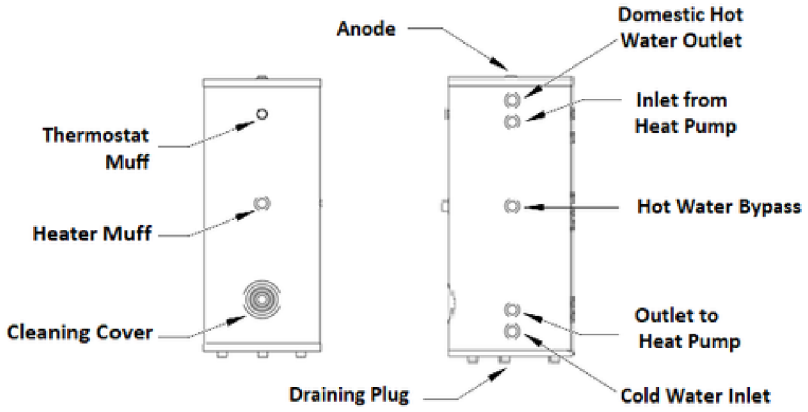
Tank Volume (Lt)			160	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
10/45 °C	90/70 °C	kW	12,5	21,4	24	47,7	48,9	59,9	70,4	84,4	104,2	118,9	158,4	178,2
		Lt/h	309	528	593	1.178	1.208	1.479	1.739	2.086	2.573	2.937	3.913	4.402
	80/60 °C	kW	8,8	15	16,9	33,6	34,4	42,2	49,6	59,4	73,3	83,7	111,5	125,4
		Lt/h	217	372	417	829	850	1.041	1.224	1.468	1.811	2.067	2.754	3.098
	70/50 °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	1.153	1.316	1.753	1.972
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	1.110	1.368	1.562	2.081	2.341
	80/60 °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	1.300	1.463
	70/50 °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

Hot Water Storage Tanks for Heat Pumps

- Especially for use in heat pump systems
. Vertical type, takes up little space
- Economic and long-lasting
- It is hygienic
- It is stylish and aesthetic with its modern design
- It is highly efficient
- Cathodic protected with magnesium anode

Cold Media Max. Operating Pressure=	10 bar
Hot Media Max. Operating Pressure=	8 bar
Cold Media Max. Temperature=	95 °C
Hot Media Max. Temperature=	110 °C
Serpentine Test Pressure=	12 bar
Test Pressure of Body Shell=	15 bar
Hot Media Type=	Hot Water





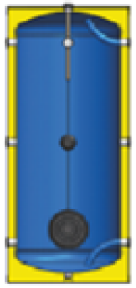
TECHNICAL FEATURES							
PRODUCT TYPE		**ÜEB/HP-200**	**ÜEB/HP-300**	**ÜEB/HP-400**	**ÜEB/HP-500**	**ÜEB/HP-800**	**ÜEB/HP-1000**
Rated Volume	Lt	200	300	400	500	800	1.000
Real Volume	Lt	179	266	386	455	739	919
Serpentine Surface Area	m2	2,22	3,35	3,92	4,69	5,25	6,28
Weight	kg	150	199	249	294	428	501
Height	mm	1310	1565	1580	1175	1790	2085
Shell Diameter	mm	590	650	770	750	980	980
Insulation	mm	50 PU	50 PU	50 PU	50 PU	60 PU	60 PU
Domestic Water Flow/Return	R"	¾"	¾"	1"	1"	1"	1"
Circulation	R"	¾"	¾"	1"	1"	1"	1"
Closed Circuit(s) Flow/Return	R"	1"	1"	1"	1"	1 ¼"	1 ¼"
Cleaning Muff	R"	4"	4"	4"	4"	5"	5"
Heater Muff	R"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"
Drain Plug	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Thermostat Muff	R"	½"	½"	½"	½"	½"	½"
Anode Muff	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"

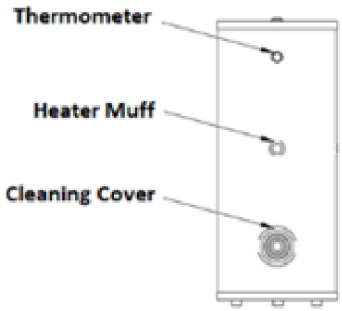
WATER STORAGE TANK for HEAT PUMPS								
Tank Volume (Lt)			**200**	**300**	**400**	**500**	**800**	**1000**
10/45 °C	**55/50 °C**	kW	16,8	18,1	18,2	18,3	34,9	35,3
		Lt/h	421	452	457	460	877	887

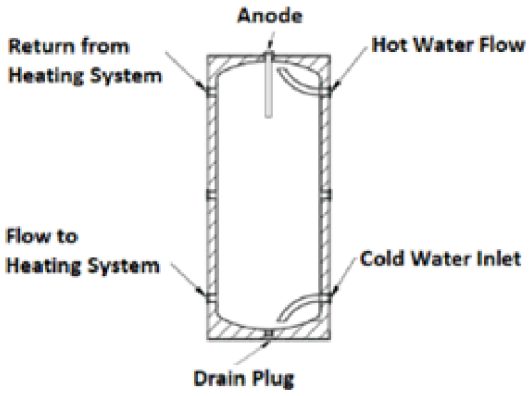
Accumulation Tanks

· Provides cathodic protection with magnesium anode
· Provides hygiene for many years with the wet enamel coated on the body.
· It is stylish and aesthetic with its modern design.
. Vertical type, takes up little space
· Minimizes heat loss with its insulation

Cold Media Max. Operating Pressure=	10 bar
Test Pressure of Body Shell=	15 bar
Hot Media Type=	Hot Water







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TECHNICAL FEATURES														
PRODUCT TYPE		ÜAT-100	ÜAT-160	ÜAT-200	ÜAT-300	ÜAT-500	ÜAT-800	ÜAT-1000	ÜAT-1500	ÜAT-2000	ÜAT-2500	ÜAT-3000	ÜAT-4000	ÜAT-5000
Rated Volume	Lt	100	160	200	300	500	800	1.000	1.500	2.000	2.500	3.000	4.000	5.000
Real Volume	Lt	98	162	198	294	493	791	990	1.487	1.868	2.486	3.179	3.757	4.651
Weight	kg	51	69	77	101	154	226	260	391	447	514	698	801	895
Height	mm	1.080	1.165	1.310	1.565	1.175	1.790	2.085	1.970	2.370	2.185	2.265	2.615	2.560
Shell 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
Flow/Return Muff	R"	¾"	¾"	¾"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Circulation	R"	¾"	¾"	¾"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Cleaning Muff	R"	4"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"
Heater Muff	R"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"	2"	2"	2"	2"
Drain Plug	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	2"	2"	2"	2"
Thermostat Muff	R"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"
Anode Muff	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"

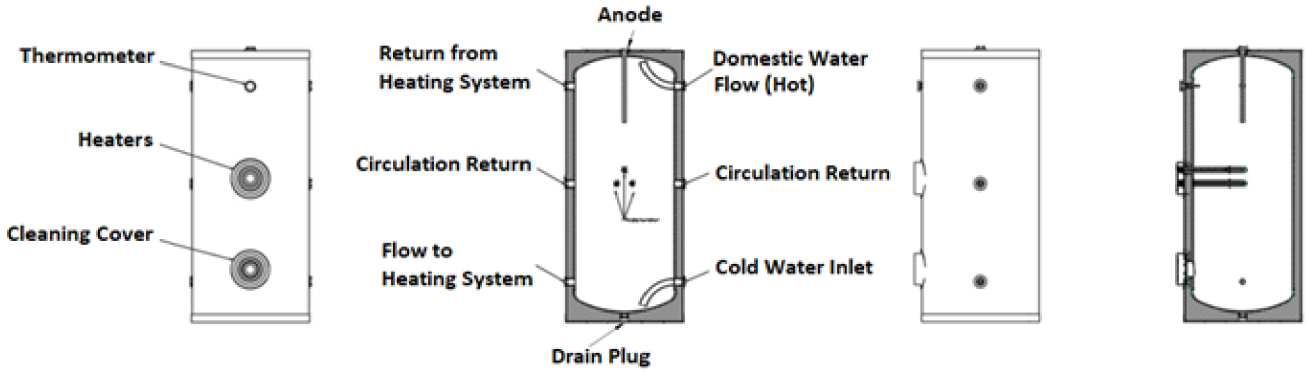
Heating Element			*Water heating time from 15 °C to 60 °C (minutes)*					
Heater Quantity (pcs)	Heater Power (kW)	Total Power (kW)	Tank Volume (L)					
			160	**200**	**300**	**500**	**1000**	**2000**
1	4	4	*126*	*157*	*235*	*392*	*785*	*1569*
1	7.5	7.5	*67*	*84*	*126*	*209*	*418*	*837*
1	10	10	*50*	*63*	*94*	*157*	*314*	*628*
1	12	12	*42*	*52*	*78*	*131*	*262*	*523*
1	15	15	*31*	*42*	*63*	*105*	*209*	*418*
2	4	8	*63*	*78*	*118*	*196*	*392*	*785*
2	7.5	15	*33*	*42*	*63*	*105*	*209*	*418*
2	10	20	*25*	*31*	*47*	*78*	*157*	*314*
2	12	24	*21*	*26*	*39*	*65*	*131*	*262*
2	15	30	*17*	*21*	*31*	*52*	*105*	*209*
3	4	12	*42*	*52*	*78*	*131*	*262*	*523*
3	7.5	22.5	*22*	*28*	*42*	*70*	*139*	*279*
3	10	30	*17*	*21*	*31*	*52*	*105*	*209*
3	12	36	*14*	*17*	*26*	*44*	*87*	*174*
3	15	45	*11*	*14*	*21*	*35*	*70*	*139*

The values given above are approximate and are for information only.

Electric Water Heater

· Provides cathodic protection with magnesium anode
· Provides hygiene for many years with the wet enamel coated on the body.
· Vertical type, takes up little space
· Provides the opportunity to select a heating resistance at the desired power according to the need.

Cold Media Max. Operating Pressure=	10 bar
Test Pressure of Body Shell=	15 bar
Hot Media Type=	Hot Water



TECHNICAL FEATURES										
PRODUCT TYPE		ÜEB/E-100	ÜEB/E-160	ÜEB/E-200	ÜEB/E-300	ÜEB/E-500	ÜEB/E-800	ÜEB/E-1000	ÜEB/E-1500	ÜEB/E-2000
Rated Volume	Lt	100	160	200	300	500	800	1.000	1.500	2.000
Real Volume	Lt	98	162	198	294	493	791	990	1.487	1.868
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	1175	1790	2085	1970	2370
Shell Diameter	mm	490	590	590	650	750	980	980	1.230	1.230
Insulation	mm	50 PU	50 PU	50 PU	50 PU	50 PU	60 PU	60 PU	60 PU	60 PU
Domestic Water Flow/Return	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	1 ½"	1 ½"
Circulation	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	1 ½"	1 ½"
Cleaning Muff	R"	4"	4"	4"	4"	4"	5"	5"	5"	5"
Heater Muff	R"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"
Number of Heaters	Piece	1	1	1	2	2	3	3	3	3
Drain Plug	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Thermostat Plug	R"	½"	½"	½"	½"	½"	½"	½"	½"	½"
Anode Muff	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"

HEATER + PANEL FOR ELECTRICAL SUPPLEMENT			
TYPE	NUMBER of HEATERS	HEATER POWER (kW)	PHASE TYPE of HEATERS
ÜRP/1x4	1	4	3
ÜRP/1x7,5	1	7,5	3
ÜRP/1x10	1	10	3
ÜRP/1x12	1	12	3
ÜRP/1x15	1	15	3
ÜRP/2x4	2	8	3
ÜRP/2x7,5	2	15	3
ÜRP/2x10	2	20	3
ÜRP/2x12	2	24	3
ÜRP/2x15	2	30	3
ÜRP/3x4	3	12	3
ÜRP/3x7,5	3	22,5	3
ÜRP/3x10	3	30	3
ÜRP/3x12	3	36	3
ÜRP/3x15	3	45	3

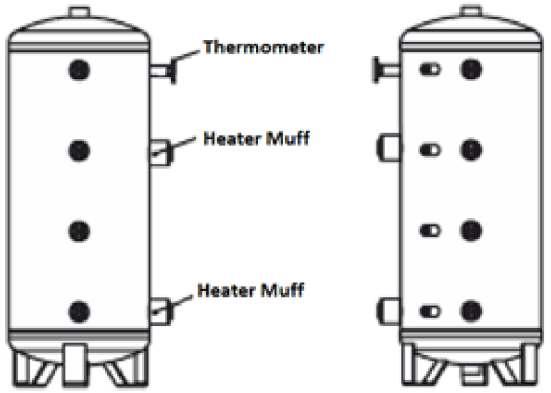
Heating Element			*Water heating time from 15 °C to 60 °C (minutes)*					
Heater Quantity (pcs)	Heater Power (kW)	Total Power (kW)	Tank Volume (L)					
			160	200	300	500	1000	2000
1	4	4	*126*	*157*	*235*	*392*	*785*	*1569*
1	7.5	7.5	*67*	*84*	*126*	*209*	*418*	*837*
1	10	10	*50*	*63*	*94*	*157*	*314*	*628*
1	12	12	*42*	*52*	*78*	*131*	*262*	*523*
1	15	15	*31*	*42*	*63*	*105*	*209*	*418*
2	4	8	*63*	*78*	*118*	*196*	*392*	*785*
2	7.5	15	*33*	*42*	*63*	*105*	*209*	*418*
2	10	20	*25*	*31*	*47*	*78*	*157*	*314*
2	12	24	*21*	*26*	*39*	*65*	*131*	*262*
2	15	30	*17*	*21*	*31*	*52*	*105*	*209*
3	4	12	*42*	*52*	*78*	*131*	*262*	*523*
3	7.5	22.5	*22*	*28*	*42*	*70*	*139*	*279*
3	10	30	*17*	*21*	*31*	*52*	*105*	*209*
3	12	36	*14*	*17*	*26*	*44*	*87*	*174*
3	15	45	*11*	*14*	*21*	*35*	*70*	*139*

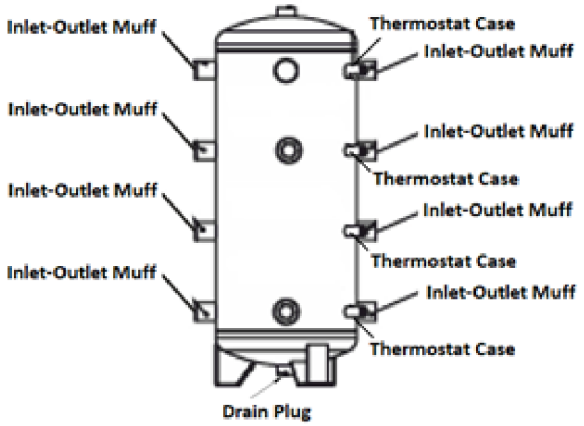
The values given above are approximate and are for information only.

Buffer Tanks

- Vertical type, takes up little space
- Economic and long-lasting
- It is stylish and aesthetic with its modern design.
- Minimizes heat loss with its insulation
- It is designed to increase the closed circuit water volume in heating and cooling systems and to reduce the number of times the boiler is activated.

Cold Media Max. Operating Pressure=	6 bar
Test Pressure of Body Shell=	9 bar
Hot Media Type=	Hot Water





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	1.000	1.500	2.000
Real Volume	Lt	56	98	162	198	238	294	390	493	791	990	1.487	1.868
Weight	kg	30	51	69	77	85	101	130	154	226	260	391	447
Height	mm	880	1072	1152	1302	1262	1542	1542	1772	1730	2080	1963	2363
Shell 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
Flow/Return Muff	R"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"
Number of Flow/Return Muff	Piece	6	6	6	6	6	6	6	6	8	8	8	8
Sensor Connection Muff	R"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"
Number of Sensor Connection Muff	Piece	3	3	3	3	3	3	3	3	4	4	4	4
Circulation Muff	R"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"
Heater Muff	R"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"
Number of Heater Muff	Piece	1	1	1	1	1	1	1	1	2	2	2	2
Drain Plug	R"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Thermostat Muff	R"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"

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