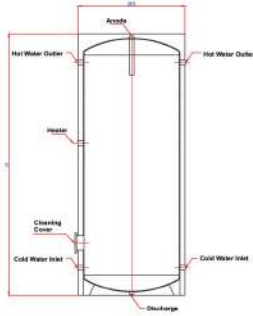


Accumulation Tanks & Electrical Water Heaters

Unmak UAT series accumulation tanks are designed for storage purpose of hot water from central heating system, floor heating system, geothermal or solar energy heating system by keeping the heat loss in minimum. Heating element installation is available for water heating purpose. Optional polyurethane isolation, electrostatic coating (2500, 3000, 4000, 5000L), impertex fabric outer cover

- Vertical type and compact design.
- Hygienic enamelled inner tank.
- Cathodic protection with magnesium anode.
- Maximum operating pressure 10 bar.

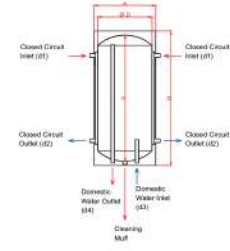


TECHNICAL SPECIFICATIONS OF ACCUMULATION TANK

MODEL	UAT-100	UAT-150	UAT-200	UAT-250	UAT-300	UAT-350	UAT-400	UAT-450	UAT-500
CAPACITY (L)	100	150	200	250	300	350	400	450	500
BODY DIAMETER (mm)	470	540	600	660	720	780	840	900	960
TOTAL HEIGHT (mm)	1170	1300	1430	1560	1690	1820	1950	2080	2210
HEATER HEIGHT (mm)	27	27	27	27	27	27	27	27	27
CLEANING MUFF (mm)	30	30	30	30	30	30	30	30	30
MAGNESIUM ANODE (mm)	4	4	4	4	4	4	4	4	4
WEIGHT (kg)	52	63	74	82	92	103	114	125	136
ISOLATION TYPE	Polyurethane + Outerwrap / Special Insulation Spraying + Outerwrap								

Water Heater And Serpentine Type Instant Water Heater

Unmak UKB series water heaters are designed for hot water supply where central heating systems, installed. The product heats both its location and supplies domestic hot water.



- Satisfies radiators in bathroom and kitchen.
- Availability of combination with a separate installation in bathroom.
- Instantaneous water heater supply.
- Economical hot water supply.
- Thermometer equipped
- Maximum operating pressure 6 bar.

DIMENSIONS		
MODEL - SERI	UKB	50 LT
BODY DIAMETER	ø D (mm)	330
BODY HEIGHT	h (mm)	750
TOTAL HEIGHT	H (mm)	850
WIDTH	A (mm)	350
LENGTH	(mm)	300
CLOSED CIRCUIT INLET	ø41	3/4"
CLOSED CIRCUIT OUTLET	ø42	3/4"
DOMESTIC WATER INLET	ø43	1/2"
DOMESTIC WATER OUTLET	ø44	1/2"

UNMAK ÜSİ series instantaneous water heaters supply domestic hot water by installation on boiler's outlet.



TECHNICAL SPECIFICATIONS		
MODEL SERIES	ÜSİ/25-45	ÜSİ/50-100
Capacity	45D	100D
Flow rate	25-500	24-1000
Body Diameter (ØD)	330	330
Total Height (H)	220	220
Closed Circuit Inlet (CI)	1"	1 1/2"
Closed Circuit Outlet (CO)	1"	1 1/2"
Domestic Water Inlet (DI)	1/2"	1/2"
Domestic Water Outlet (DO)	1/2"	1/2"
Air Purge Muff (AM)	ø28	ø28
Serpentine heating surface	ø28	ø28
Closed Circuit Working Pressure	bar	3
Domestic Water Working Pressure	bar	8

"Alternative solutions for hot water supply"



Hot Water Storage Tanks



"Feel the heat..."



Water Heater With Single and Double Serpentine



TECHNICAL SPECIFICATIONS OF SINGLE SERPENTINE WATER STORAGE TANK

MODEL	DEBT-100	DEBT-160	DEBT-200	DEBT-325	DEBT-500	DEBT-750	DEBT-1000	DEBT-1500	DEBT-2000	DEBT-2500	DEBT-3000
WATER VOLUME	100	160	200	325	500	750	1000	1500	2000	2500	3000
BODY DIAMETER	470	540	630	730	930	930	1050	1250	1200	1390	1390
TOTAL HEIGHT	1170	1350	1610	1790	1950	2000	2150	2390	2690	2830	2830
THERMOSTAT MUFF	1/2"										
HEATER MUFF	2"										
DHW IN/OUT	3/4"		1"		2"		1 1/2"				
CH IN/OUT	1"										
CIRCULATION MUFF	3/4"		1"		1 1/2"						
CLEANING MUFF	4"		5"								
MAGNESIUM ANODE	1 1/2"										
SURFACE AREA	0,64	0,64	0,95	1,27	1,81	2,41	3,21	4,01	4,82	5,62	7,23
WEIGHT	55	74	90	115	168	236	285	412	490	583	625
ISOLATION TYPE	Polyurethane + Outerwear / Special Insulation Sponge + Outerwear										

CAPACITY TABLE OF SINGLE SERPENTINE WATER STORAGE TANK

Total Volume	l	100		160		200		325		500		750		1000		1500		2000		2500		3000	
		h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw
Continuous Capacity: Cold Water Input 10 °C - Hot Water Output 45 °C. (Heater Fluid 90 °C)																							
Closed Circuit Water Temperature	80°C	53,1	21,8	119,2	48,4	131,0	53,3	163,0	66,3	189,0	79,3	223,0	90,7	263,0	107,0	299,0	128,0	420,0	173,3	500,0	203,4	569,0	228,4
Continuous Capacity: Cold Water Input 10 °C - Hot Water Output 60 °C. (Heater Fluid 90 °C)																							
Closed Circuit Water Temperature	80°C	32,0	18,8	64,0	37,2	88,0	51,1	90,0	65,8	111,0	64,5	139,0	80,8	190,0	80,6	163,0	94,7	163,0	106,3	204,0	178,6	334,0	194,1
Closed Circuit Volume Flow Rate	m³/h	1,8	2,5	4	6	6,3	7	7	7,5	8	10	11,2											
Serpentine Resistance	mS	0,4	0,5	0,8	1,05	2,0	3,3	3,3	3,5	4,8	6,8	8,3											

Unmak UEB series water heaters are designed for villas, collective houses, hotels, business centers, factories and similar areas where needed hot water and heated with central heating systems. Instantaneous hot water supply available.

- Vertical type and compact design.
- Economical and long life service.
- Stylish, aesthetical with modern design.
- High efficiency.
- Cathodic protection with magnesium anode.

- Thermometer and anode indicator.
- Heater (optional).
- Operating pressure 10 bar.
- Polyurethane isolation (optional) optional polyurethane isolation and electrostatic coating (2500 and 3000 Lit) impertex fabric outer cover

TECHNICAL SPECIFICATIONS OF DOUBLE SERPENTINE WATER STORAGE TANK

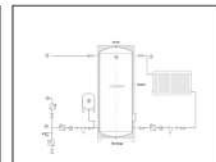
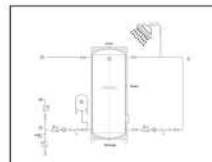
MODEL	DEBÇ-160	DEBÇ-200	DEBÇ-325	DEBÇ-500	DEBÇ-750	DEBÇ-1000	DEBÇ-1500	DEBÇ-2000	DEBÇ-2500	DEBÇ-3000	
WATER VOLUME	160	200	325	500	750	1000	1500	2000	2500	3000	
BODY DIAMETER	540										
TOTAL HEIGHT	1350	1610	1790	1950	2000	2150	2390	2690	2830	2830	
THERMOSTAT MUFF	1/2"										
HEATER MUFF	2"										
DHW IN/OUT	3/4"		1"		2"		1 1/2"				
CH-1 IN/OUT	1"										
CH-2 IN/OUT	1"										
CIRCULATION MUFF	3/4"		1"		1 1/2"						
CLEANING MUFF	4"		5"								
MAGNESIUM ANODE	1 1/2"										
SURFACE AREA	0,64	0,64	0,95	1,27	1,81	2,41	3,21	4,01	4,82	5,62	7,23
WEIGHT	55	74	90	115	168	236	285	412	490	583	625
ISOLATION TYPE	Polyurethane + Outerwear / Special Insulation Sponge + Outerwear										

CAPACITY TABLE OF DOUBLE SERPENTINE WATER STORAGE TANK

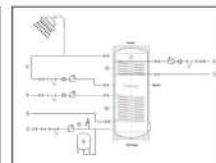
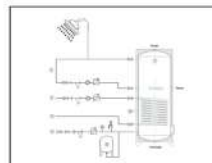
Total Volume	l	160		200		325		500		750		1000		1500		2000		2500		3000	
		h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw	h/h	kw
Continuous Capacity: Cold Water Input 10 °C - Hot Water Output 45 °C. (Heater Fluid 90 °C)																					
Closed Circuit Water Temperature	80°C	53,0	21,8	73,0	29,7	81,0	32,9	136,0	55,3	145,0	59,0	145,0	59,0	154,0	62,6	177,0	72,8	250,0	103,7	299,0	121,8
Continuous Capacity: Cold Water Input 10 °C - Hot Water Output 60 °C. (Heater Fluid 90 °C)																					
Closed Circuit Water Temperature	80°C	32,0	19,2	38,0	22,1	71,0	41,3	77,0	44,7	93,0	54,0	93,0	54,0	98,0	58,1	112,0	65,1	180,0	104,6	205,0	119,1
Closed Circuit Volume Flow Rate	m³/h	1,8	2	3	4	5	5	6	6	7,5	8	10	11,2								
Serpentine Resistance	mS	0,4	0,2	0,5	0,8	1,1	1,1	1,9	2,2	3,6	4										

Central Water Heater

Unmak UMB series central water heaters are designed for use high buildings, private villas, sports complexes, hotels, business centres, hospitals, factories etc. where the central heating system, floor heating system or geothermal and solar heating system installed. Serpentine and outer heated versions available.



- ⌚ Circulation Pump
- ⌚ Valve
- ⌚ Filter
- ⌚ Pressure Reducer
- ⌚ Safety Valve
- ⌚ Manometer
- ⌚ Checkvalve
- ⌚ Thermometer



- 1 Circulation
- 2 Inlet from Heating System
- 3 Return to Heating system
- 4 Cold Water Inlet
- 5 Closed Circuit Inlet-2 (Alternative Energy)
- 6 Closed Circuit Return-2 (Alternative Energy)
- 7 Hot Water Storage Tank
- 8 Closed Expansion Tank
- 9 Inlet from Heat Exchanger or Boiler
- 10 Return to Heat Exchanger or Boiler