

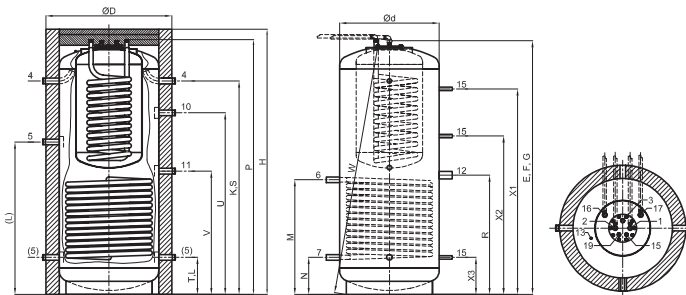


Tank

Solar Combi Buffer Tank WPKR TWIN 600 /750 /1000

WIKORA Solar Combi Tank. Free standing unit as a combination of a buffer tank and a DHW tank (tank in tank). Manufactured according to DIN 4753-1, buffer tank and solar heat exchanger are made of steel sheet (S235JRG2) in certified quality. The internal of the buffer tank is bare, external protection is by corrosion proof lacquer. The DHW tank is manufactured according to DIN 4753-1 of enamelled processed steel sheet (S235JRG2) in certified quality. DHW affected surfaces are protected by double-coated enamel and magnesium anode or correx anode (optional extra). All tanks are tested to DIN 4753 part 1 to 6. This ensures hygienic material is only in contact with DHW.

The buffer tank has a high efficient solar heat exchanger situated in the lower range of the buffer, the domestic hot water tank has another heat exchanger integrated in the hot water space. This ensures a permanent guarantee of DHW.



Heating of the buffer water is either directly, using external heating sources such as gas/oil boiler, heat pump, solar plant (solid fuel), wood pellet or log and District heating or indirectly via integrated heat exchangers or external flat plate heat exchanger;

Thermal insulation by 100 mm soft foam with white (RAL 9010) PVC-cover. Supplied separate for onsite-assembly.

Standard design sockets for thermometer and sensors, connections for boiler, central heating, heat pump, solar system, HW-/CW-circulation.

Type			WPKR 600 TWIN	WPKR 750 TWIN	WPKR 1000 TWIN
Item number			47 488	47 528	47 776
Capacity buffer/DHW	litre ca		480/120	572/155	770/155
Nominal load NL n. DIN 4708	N _L		1,9	3,2	3,2
Performance DHW 45°C/90°C	l/hr (kW)		880 (35,2)	1100 (44,7)	1100 (44,7)
Performance DHW 60°C/90°C	l/hr (kW)		525 (30,5)	660 (38,3)	660 (38,3)
Max working temperature buffer/DHW/heat exchanger	°C		95/95/160	95/95/160	95/95/160
Capacity heat exchanger DHW	litre		5,7	7,4	7
Capacity heat exchanger solar	litre		14	18	20
Heating area DHW tank	m ²		1,3	1,6	1,6
Heating area heat exchanger DHW	m ²		1,0	1,3	1,3
Heating area heat exchanger solar/DHW tank	m ²		2,1	2,7	3
Flow rate heat exchanger DHW tank	m ³ /hr		2,5	2,5	2,5
Flow rate heat exchanger solar	m ³ /hr		1,5	1,5	1,5
Pressure loss heat exchanger DHW tank	mbar		75	105	105
Pressure loss heat exchanger solar	mbar		70	90	95
Max working pressure buffer/DHW/heat exchanger	bar		3/10/16	3/10/16	3/10/16
Insulation	mm		100 WS	100 WS	100 WS
Energy loss	kWh/24hr		3,3	3,9	4,4
Dimensions					
Diameter with insulation	D	mm	950	950	1050
Diameter without insulation	d	mm	750	750	850
Height cold water inlet	E	mm	(1620)	(1940)	(1920)
Height hot water outlet	F	mm	(1620)	(1940)	(1920)
Height circulation DHW	G	mm	(1620)	(1940)	(1920)
Height with insulation	H	mm	1730	2000	1980
Tilting dimension	W	mm	1660	1950	1930
Height auxiliary boiler flow	K	mm	1310	1610	1590
Height auxiliary boiler return	L	mm	280(850)	280(1150)	280(1150)
Height solar flow	M	mm	685	865	865
Height solar return	N	mm	280	280	280
Height heat exchanger DHW	P	mm	(1620)	(1940)	(1920)
Height plug electric heater	R	mm	765	620	580
Height load circuit flow	S	mm	1310	1610	1590
Height load circuit return	T	mm	280	280	280
Height heating flow	U	mm	1070	1370	1350
Height heating return	V	mm	630	930	950
Height sensor socket 1	X1	mm	1310	1550	1530
Height sensor socket 2	X2	mm	895	1195	1195
Height sensor socket 3	X3	mm	280	280	280
Connections					
Cold/ hot water	1/2	R	3/4	3/4	3/4
Circulation	3	R	3/4	3/4	3/4
Aux boiler flow/return	4/5	R	1 1/4	1 1/4	1 1/4
Solar flow/return	6/7	Rp	1	1	1
Load flow/return	8/9	R	1 1/4	1 1/4	1 1/4
Heating flow/return	10/11	R	1 1/4	1 1/4	1 1/4
Plug for electric heater	12	R	1 1/2	1 1/2	1 1/2
Vent	13	Rp	1/8	1/8	1/8
Inspection flange DHW	14	Dia	142	142	142
Sensor socket	15	Rp	1/2	1/2	1/2
Heat exchanger DHW	16/17	R	3/4	3/4	3/4
Anode	19	R	3/4	3/4	3/4
Weight (empty)		kg	235	260	300

R = male thread (inch), Rp = female thread (inch)