



Tank

# WIKORA

SolarSpeicherSysteme

## Solar Combi Buffer Tank WPKR 750 / 1000 Combi Buffer Tank WPK 750 / 1000

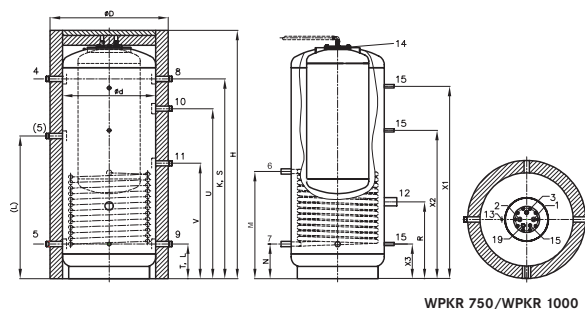
**WIKORA Solar Buffer Tank/Combi vessel.** Free standing unit. Manufactured according to DIN 4753-1. Buffer tank and solar heat exchanger are made of steel sheet (S235JRG2) in certified quality. The internal of the buffer tank is bare, external protection is by corrosion proof lacquer. The DHW tank is 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.

**WPK** is a hot water buffer storage tank with an integrated DHW tank with a capacity of 200 litres.

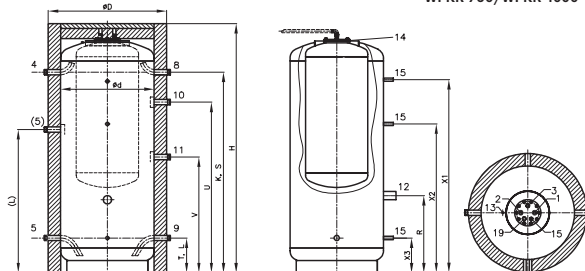
**WPKR** is a hot water buffer storage tank with an energy efficient solar heat exchanger and an integrated DHW tank with a capacity of 200 litres.

**Heating** of the buffer water is either directly, using external heating sources such as gas/oil boiler, heat pump, wood pellet or log and District heating or indirectly via integrated solar register or external flat plate heat exchanger using solar plant.

**Thermal insulation** 100 mm soft foam with PVC-cover. Supplied separate for onsite-assembly.



WPKR 750/WPKR 1000



WPK 750/WPK 1000

**Standard colour** of the PVC-cover: white (RAL 9010),

**Standard design** (dependent on tank) socket for sensors and thermometer, connections for boiler, central heating, solar system, HW-/CW-, circulation.

Type		WPK 750	WPK 1000	WPKR 750	WPKR 1000
Item number		47 5500	47 8000	47 5270	47 7750
Capacity buffer/DHW	liter ca	550/200	750/200	527/200	725/200
Nominal load NL n. DIN 4708	N <sub>L</sub>	2,9	2,9	2,9	2,9
Max working temperature buffer/DHW/heat exchanger	°C	95/95/-	95/95/-	95/95/160	95/95/160
Max working pressure buffer/DHW/heat exchanger	bar	3/10/-	3/10/-	3/10/10	3/10/10
Capacity heat exchanger	liter	-	-	23	25
Heating area DHW tank	m <sup>2</sup>	2	2	2	2
Surface of heat exchanger	m <sup>2</sup>	-	-	2,7	3
Flow rate heat exchanger	m <sup>3</sup> /hr	-	-	5	5
Pressure loss heat exchanger	mbar	-	-	340	380
Insulation		100 WS	100 WS	100WS	100WS
Energy loss	kWh/24hr	3,9	4,4	3,9	4,4
Diameter with insulation	D mm	950	1050	950	1050
Diameter without insulation	d mm	750	850	750	850
Height with insulation	H mm	2000	1980	2000	1990
Tilting dimension	W mm	1950	1930	1950	1930
Height auxiliary boiler flow	K mm	1610	1590	1610	1590
Height auxiliary boiler return	L mm	280 (1150)	280 (1150)	280 (1150)	280 (1150)
Height solar flow	M mm	-	-	865	865
Height solar return	N mm	-	-	280	280
Height plug electric heater	R mm	620	580	620	580
Height load circuit flow	S mm	1610	1590	1610	1590
Height load circuit return	T mm	280	280	280	280
Height heating flow	U mm	1370	1350	1370	1350
Height heating return	V mm	930	950	930	950
Height sensor socket 1	X1 mm	1550	1530	1550	1530
Height sensor socket 2	X2 mm	1195	1195	1195	1195
Height sensor socket 3	X3 mm	280	280	280	280
<b>Connections</b>					
Cold/ hot water	1/2 R	3/4	3/4	3/4	3/4
Circulation	3 R	3/4	3/4	3/4	3/4
Aux boiler flow/return	4/5 R	1 1/4	1 1/4	1 1/4	1 1/4
Solar flow/return	6/7 Rp	-	-	1	1
Load flow/return	8/9 Rp	1 1/4	1 1/4	1 1/4	1 1/4
Heating flow/return	10/11 R	1 1/4	1 1/4	1 1/4	1 1/4
Plug for electric heater	12 Rp	6/4	6/4	6/4	6/4
Vent	13 Rp	1/8	1/8	1/8	1/8
Inspection flange DHW	14 Dia	142	142	142	142
Sensor socket	15 Rp	1/2	1/2	1/2	1/2
Anode	19 R	3/4	3/4	3/4	3/4
<b>Weight (empty)</b>	kg	200	230	240	280

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