WIKORA

SolarSpeicherSysteme

Product catalog 2019

Valid from 1st of April 2019

Product news 2018/19

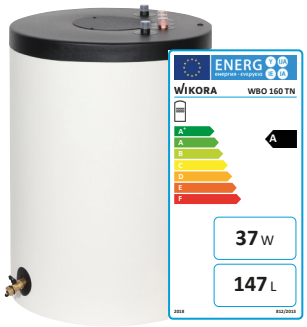
WIKORA SolarSpeicherSysteme

Heat pump system WIKOSOL HPS Page 5

For the replacement and modernization of heaters in existing buildings

- Most powerful heat pump on the market for heating renovation in existing buildings
- Patented Zubadan inverter technology
- Operating range down to -28 °C (Guaranteed without loss of performance down to -15 °C)
- Flow temperatures up to 60 °C
- Electric heater is not required
- Heating cost savings of up to 50%
- No additional building renovations necessary
- Independence from fossil fuels
- In combination with other heat sources over 8,000 euros BAFA funding possible

Tank for wall boiler WBO TN Page 12



- DHW storage tank for wall boiler
- Suited for district heating
- With a smooth tube heat exchanger, protective anode, sensor tube
- Maintenance friendly round top flange and circulation connection
- Flat sealing connections made of stainless steel at the top
- PUR-insulation and PS-jacket
- Max. working pressure of 10 bar
- Energy efficiency class A

Vacuum tube collector WIKOSUN HP 2340 / 1240 Page 45

- Heatpipe for on roof and flat roof mounting
- Increased hail resistance class 3 (Swiss hailstorm register)
- Inclination of 5-90°
- Serial connection of 6 modules with 15 tubes
- Fast and easy installation
- Perfect for solar assisted heating
- Solar Keymark certified
- Also available as new balcony module WIKOSUN HP 1240

Solar system tank WIKOSUN Liquid Safe (LiSa) Page 48

- Completely removable Neopor / fleece insulation
- Improved insulation of all connections and penetrations
- Up to 20% lower standby heat input compared to EPS
- No chimney effects thanks to inserted fleece

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WIKORA SolarSpeicherSysteme

WIKORA GmbH

WIKORA SolarSpeicherSysteme

Know-how increases with experience – success increases with quality

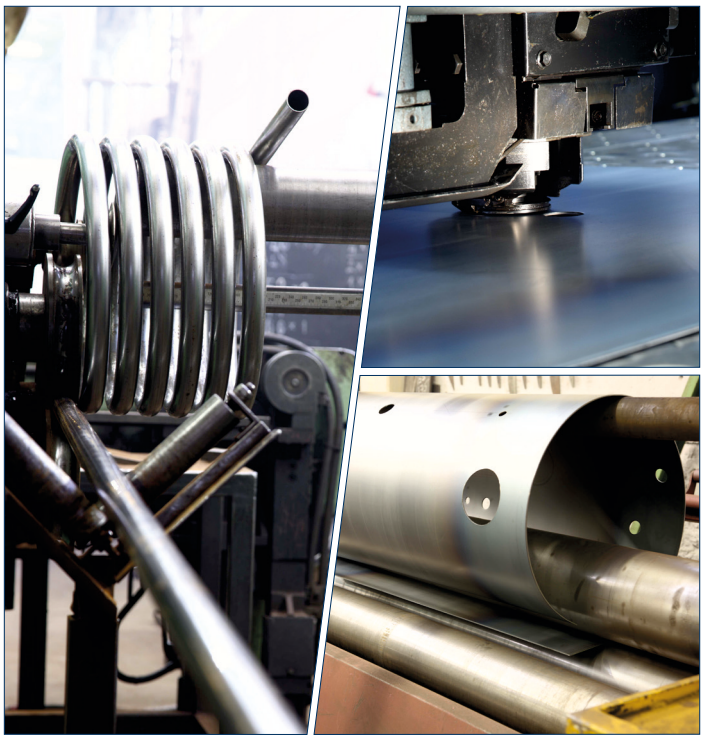
At Wikora, both experience and quality have been given highest priority since our company was founded in 1950 – so that today the name Wikora is associated with premium quality products "Made in Germany". Each stage of production – from development and construction to testing and serial production – takes place on our premises. Individual customer's requests and purpose-built products can therefore be manufactured at any time. Our qualified staff and our flexibility in tank production, together with experience gained over many years, ensure the prompt and professional execution of customers' orders.

The name Wikora represents:

- More than 60 years experience in tank production
- Leading technical know-how
- High degree of flexibility
- Production in compliance with current standards
- Extensive quality assurance
- German quality products

We place great emphasis on quality and reliability

All our storage tanks and collectors offer high performance, durability and excellent product quality. In order to guarantee this, our products are manufactured exclusively from high-quality materials and comply with the latest technical standards. A final quality control check is standard procedure at Wikora.



WIKORA
SolarSpeicherSysteme

Wikora Heat pump system WIKOSOL HPS

For the replacement and modernization of heaters in existing buildings!

Heat pump system

WIKORA SolarSpeicherSysteme

Heat pump Mitsubishi Electric ZUBADAN

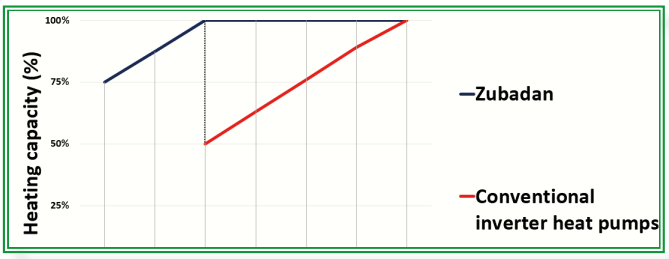
Ausführung

- Housing and frame are made of sturdy galvanized steel sheets with additional polyester enamel and internal sound insulation
- High performance heat exchanger as evaporator and condenser
- Worldwide patented Flash injection, to increase the useful cooling capacity and avoidance of power losses in heating operation at low outside temperatures
- Low vibration, mounted on vibration dampers with highest efficiency
- Weather-protected drive motor

Zubadan 8/11Y

Designation		Zubadan 8/11Y	Zubadan 11Y	Zubadan 14Y	Zubadan 23Y
Heating capacity min/max	KW	4,5 – 10,2/12	4,5 – 14,0	4,5 – 16,0	4,5 – 25,0
Application outside air temperature	°C	-28 to +35	-28 to +35	-28 to +35	-28 to +35
Power supply	V/Ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50
Max. Stromaufnahme	A	13	13	13	26
Max. Current consumption	KW	4,9/6,0	9,85	9,85	15,8
Max. Starting current	A	5	6	6	6
Safeguarding	A	3 x 16	3 x 16	3 x 16	3 x 32
Connection cable high current	mm²	5 x 2,5	5 x 2,5	5 x 2,5	5 x 4
Connection cable Signal line	mm²	5 x 1,5	5 x 1,5	5 x 1,5	5 x 1,5
Dimensions					
Height	mm	1020	1350	1350	1338
Width	mm	1050	950	950	1050
Depth	mm	480	330	330	330
Weight	kg	128	134	134	148
Refrigeration connections	mm	9,52/15,88	9,52/15,88	9,52/15,88	25,4/12,7
Sound pressure level (1 meter)	db/A	45	52	52	60

Operating range down to -28°C
Guaranteed without loss of performance down to -15°C



Universal control UVR 1611

Advantages

- Freely programmable through various function modules
- Can be adapted to any system configuration for boiler room management
- Interface C.M.I. enables monitoring and operation via LAN or web portal
- Possibility of displaying an interactive visualization on a notebook, smartphone or tablet
- C.M.I. App for data display
- Enlargement of the inputs and outputs by further CAN bus components
- Program creation with software TAPPS2

2 years warranty

Universal control UVR 1611

Heat quantity counter

- Energy yield set WIK-VFS
- Volume flow sensor 2-40 l / min
- Including reducer

Heat quantity counter

WIKORA SolarSpeicherSysteme

Buffer tank WIKOSOL HPS

Application

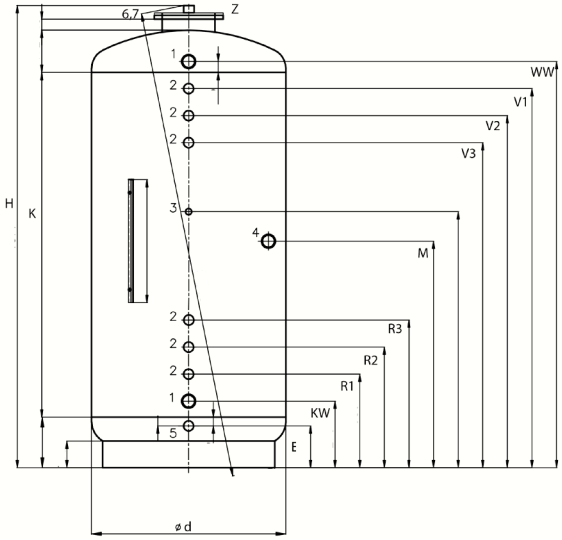
- Buffer tank with 600/800/1000 liters
- Directly condensing hygiene storage
- High-performance stainless steel exchanger enables excellent bulk flow despite the low drinking water content
- Optimal legionella protection
- Stainless steel heat exchanger has no contact with the steel container
- Oversized condensation exchanger enables an optimal COP value of the heat pump
- Heat pumps up to 23 kW can be connected
- Buffer tank is corrosion protected by paint on the outside
- Removable Neopor / fleece insulation for energy efficiency class B or C

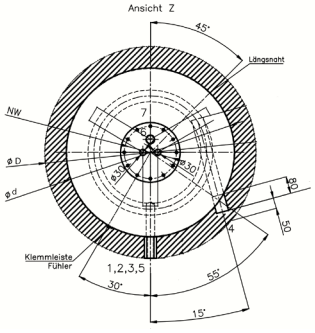
WIKOSOL HPS 805

Flow temperatures up to 60 °C allow the use in existing heating systems.

Monovalent operation:
Electric heater is not required.

Designation			WIKOSOL HPS 605	WIKOSOL HPS 805	WIKOSOL HPS 1005
Capacity		Litre	492	790	990
Max. working temperature buffer		°C	95	95	95
Max. working pressure DHW-HE / heating water		bar	10/3	10/3	10/3
Capacity / Surface DHW-heat exchanger		Litre/ m²	ca. 28/4,0	ca. 32/5,5	ca. 32/5,5
Insulation		mm	130 [100]	140 [100]	150 [100]
Energy loss		Watt	80 [113]	90 [129]	96 [140]
Energy efficiency class			**B [C]**	**B [C]**	**B [C]**
Dimensions					
Diameter incl. insulation	D	mm	910 [850]	1070 [990]	1090 [990]
Diameter tank	d	mm	650	790	790
Height storage tank	H	mm	1740	1877	2223
Tilt height	K	mm	1765	1924	2150
Height KW connection	KW	mm	240	270	270
Height WW connection	WW	mm	1546	1650	1965
Height of heating flow 1	V1	mm	1436	1540	1855
Height of heating flow 2	V2	mm	1326	1430	1745
Height of heating flow 3	V3	mm	1216	1320	1635
Height of heating return 1	R1	mm	350	380	380
Height of heating return 2	R2	mm	460	490	490
Height of heating return 3	R3	mm	570	600	600
Height plug for electric heater	M	mm	890	920	1113
Height emptying	E	mm	130	170	170
Connections					
Cold water / hot water	1	Gi	6/4	6/4	6/4
Thermometer	3		•	•	•
Heating flow / heating return	2	Gi	1	1	1
Plug for electric heater	4	Gi	6/4	6/4	6/4
Vent / Drain	6,5	Gi	1	1	1
Flange	7	NW	205	205	205
Weight (without insulation)		kg	126	149	197





WIKOSOL HPS 805

Ga = external thread, Gi = internal thread
[ ] = Values of Energy efficiency class C

Heat pump system

WIKORA SolarSpeicherSysteme

Advantages Wikora heat pump system WIKOSOL HPS

+ *Ecologically / economically sensible and future-proof alternative*
+ *Heating cost savings up to 50%*
+ *Most powerful heat pump on the market for existing buildings*
+ *Improvement of the annual work balance by combining the heat pump with Combi buffer storage WIKOSOL HPS*
+ *Independence from fossil fuels like gas or oil*
+ *No investment in a gas connection*
+ *No costs such as chimney sweep / service costs / consumables*
+ *No additional space required for installations*
+ *Long operational reliability through the use of high quality and robust components*

System variants

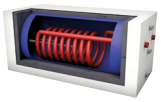
System variants	WIKOSOL HPS 8/11Y-605	WIKOSOL HPS 8/11Y-805	WIKOSOL HPS 11Y-805	WIKOSOL HPS 14Y-805	WIKOSOL HPS 14Y-1005	WIKOSOL HPS 23Y-1005
						
Heat pump	Zubadan 8/11Y	Zubadan 8/11Y	Zubadan 11Y	Zubadan 14Y	Zubadan 14Y	Zubadan 23Y
Tank (silver)	WIKOSOL HPS 605	WIKOSOL HPS 805	WIKOSOL HPS 805	WIKOSOL HPS 805	WIKOSOL HPS 1005	WIKOSOL HPS 1005
Universal control	UVR 1611	UVR 1611	UVR 1611	UVR 1611	UVR 1611	UVR 1611
Heat quantity counter	WIK-VFS	WIK-VFS	WIK-VFS	WIK-VFS	WIK-VFS	WIK-VFS
Article-No.	68116050103	68118050103	61108050103	61408050103	61410050103	62310050103

You receive prices on request.

Storage technology

WIKORA range of storage tanks

WIKORA SolarSpeicherSysteme

	DHW storage tanks					
	WBO TN	**WBL**	**WBO Uno**	**WBO Duo**	**WBO H**	**WP/SOL**
						
	Page 12	**Page 13**	**Page 14**	**Page 16**	**Page 18**	**Page 20**
Energy efficiency class	A	B/C	B/C	B/C	B/C	B/C
Application						
Gas	•	•	•	•	•	•
Oil	•	•	•	•	•	•
Pellets/Wood	•	•	•	•	•	•
Heat pump					•	•
District heating	•	•	•	•	•	•
Solar				•		•
Electric[1)]		•	•	•	•	•
Capacity	120, 160 l	150, 200 l	120, 150, 200, 300, 400, 500, 800, 1000, 1500, 2000, 3000 l	300, 400, 500, 800, 1000, 1500, 2000, 3000 l	200, 300, 400, 500, 800, 1000, 1500 l	400, 500, 800, 1000, 1500 l

	Combi Tanks Tank-in-Tank	Combi-Hygienic tanks		
	WPKR H Twin	**Wikosol - 0**	**Wikosol -1**	**Wikosol - 2**
				
	Page 28	**Page 30**	**Page 31**	**Page 32**
Energy efficiency class	B/C	B/C	B/C	B/C
Application				
Gas	•	•	•	•
Oil	•	•	•	•
Pellets/Wood	•	•	•	•
Heat pump	•			
District heating	•	•	•	•
Solar	•		•	•
Electric[1)]	•	•	•	•
Capacity				
Kapazität	600, 800, 1000 l	600, 800, 1000, 1500, 2000 l	600, 800, 1000, 1500, 2000 l	600, 800, 1000, 1500, 2000 l

1) can be optionally upgraded with an electric heating element or an electric heating flange respectively
2) can be combined with all cooling generators and reversible heat pumps

WIKORA range of storage tanks

WIKORA SolarSpeicherSysteme

	Buffer tanks			
	WPS	**WPH**	**WPR**	**WPRR**
				
	Page 22	**Page 24**	**Page 26**	**Page 27**
Energy efficiency class	B/C	B/C	B/C	B/C
Application				
Gas	•	•	•	•
Oil	•	•	•	•
Pellets/Wood	•	•	•	•
Heat pump	•	•	•	•
District heating	•	•	•	•
Solar			•	•
Electric[1)]	•	•	•	•
Capacity	200, 300, 400, 500, 800, 1000, 1500, 2000, 3000 l	200, 300, 400, 500, 600, 800, 1000, 1500, 2000, 3000 l	600, 800, 1000, 1500, 2000, 3000 l	600, 800, 1000, 1500, 2000, 3000 l

	Kältespeicher [2)]		Bath/Terrace ovens/Fire bowls		Solar system tanks
	WKS complete	**WKS**	**Coal / pressure bathing oven**	**Fire bowls**	**WIKOSUN LiSa**
					
	Page 34	**Page 35**	**Page 39**	**Page 40**	**Page 48**
Application					
Gas					
Oil					
Pellets/Wood			Coal/Wood	Coal/Wood	
Heat pump	•	•			
District heating					
Solar					•
Electric[1)]	•	•			
Capacity	150, 200, 300, 400, 500, 800, 1000, 1500, 2000, 3000 l	150, 200, 300, 400, 500, 800, 1000, 1500, 2000, 3000 l	100l		55, 121 l

WIKORA SolarSpeicherSysteme

Tank for wall boiler WBO TN

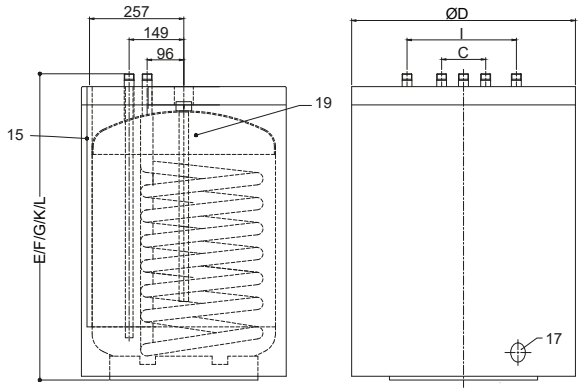
Application
Gas, oil, pellets, district heating, wood heating

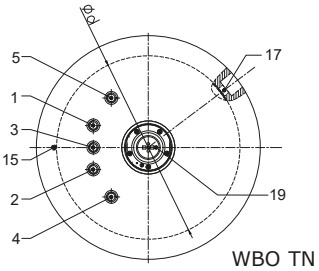
Standard design
- Enamelling in certified quality according to DIN 4753, part 3-6
- With one straight-tube heat exchanger, anode, sensor socket
- Maintenance friendly round top flange and circulation connection
- Flat sealing connections made of stainless steel at the top

Insulation
PUR insulation and PS-jacket

5 years warranty

WBO TN





WBO TN

Article			WBO 120 TN	WBO 160 TN
Capacity according to DIN EN 12897		Litre	113	147
Key performance indicator NL acc. to DIN 4708		N_L	1,9	3,2
Performance DHW 80/60/10 °C		l/h (kW)	371 (22)	443 (26)
Max. working temperature DHW/heating		°C	95/130	95/130
Max. working pressure DHW/heating		bar	10/16	10/16
Capacity of heat exchanger		l	5,5	7,4
Surface of heat exchanger		m^2	0,9	1,1
Flow rate of heat exchanger		m^3/h	2,3	2,5
Pressure loss of heat exchanger		mbar	75	105
Insulation		mm	50	50
Energy loss		Watt	35	37
Energy efficiency class			**A**	**A**
Dimensions				
Distance DHW-connections	C	mm	120	120
Diameter incl. insulation	D	mm	590	590
Height cold water connection	E	mm	828	1022
Height hot water connection	F	mm	828	1022
Height circulation	G	mm	828	1022
Height storage tank	H	mm	788	982
Distance boiler inlet/outlet	I	mm	298	298
Height aux boiler flow	K	mm	828	1022
Height aux boiler return	L	mm	828	1022
Connections				
Cold water/hot water	1/2	Ga	3/4	3/4
Circulation	3	Ga	3/4	3/4
Aux boiler flow/return	4/5	Ga	3/4	3/4
Flange	14	NW	90	90
Sensor socket	15	mm	10	10
Drain	17	Gi	1/2	1/2
Anode	19	Gi	M8	M8
Weight (empty)		kg	66	75
Part-No. (white)			55125200110	55165200110

Ga = external thread, Gi = internal thread

Horizontal tank WBL

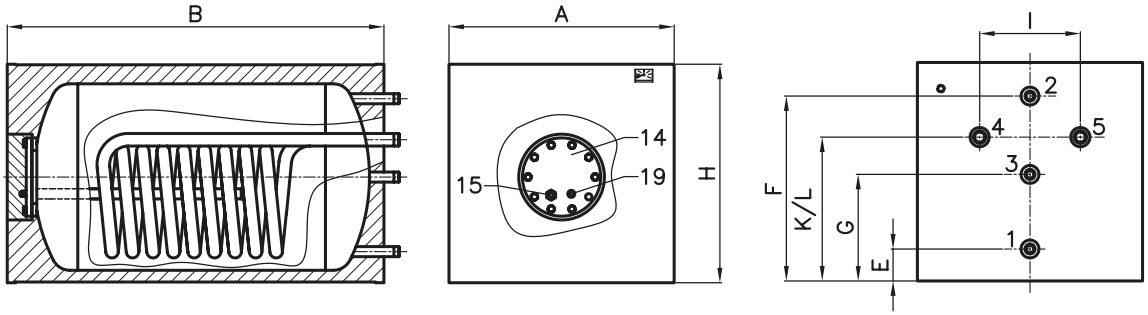
Application
Gas, oil, pellets, district heating, wood heating

Standard design
- Enamelling in certified quality according to DIN 4753, part 3-6
- With one straight-tube heat exchanger, anode, sensor socket, thermometer and flange
- All connections are located on the backside of the tank
- Can be optionally upgraded with an electric heating flange
- Max. weight to be placed on the tank: 280 kg

Insulation
PUR-insulation and lacquered steel sheet cover

5 years warranty

WBL



Article			WBL 150	WBL 200
Capacity according to DIN EN 12897		Litre	148	197
Key performance indicator NL acc. to DIN 4708		N_L	2,8	3,8
Performance DHW 80/60/10 °C		l/h (kW)	371 (22)	443 (26)
Max. working temperature DHW/heating		°C	95/130	95/130
Max. working pressure DHW/heating		bar	10/16	10/16
Capacity of heat exchanger		l	5,0	6,1
Surface of heat exchanger		m^2	0,92	1,12
Flow rate of heat exchanger		m^3/h	2,3	2,4
Pressure loss of heat exchanger		mbar	80	108
Energy loss		Watt	52	63
Energy efficiency class			**B**	**C**
Dimensions				
Width/depth	A/B	mm	600/1010	600/1268
Height cold water connection	E	mm	80	80
Height hot water connection	F	mm	490	490
Height circulation	G	mm	280	280
Height storage tank	H	mm	580	580
Distance boiler inlet/outlet	I	mm	270	270
Height aux boiler flow	K	mm	380	380
Height aux boiler return	L	mm	380	380
Connections				
Cold water/hot water	1/2	Ga	3/4	3/4
Circulation	3	Ga	3/4	3/4
Aux boiler flow/return	4/5	Ga	1	1
Flange	14	NW	142	142
Sensor socket	15	mm	12,5	12,5
Anode	19	M	8	8
Weight (empty)		kg	124	155
Part No. (white)			47150000110	47201000110
Part No. (silver)			47150000182	47200000182

Screw-in heaters and electric heating flanges on page 33

Ga = external thread, Gi = internal thread

Storage tank WBO Uno

Application
Gas, oil, pellets, district heating, wood heating

Standard design
- Enamelling in certified quality according to DIN 4753, part 3-6
- With one straight-tube heat exchanger, anode, sensor gauge, thermometer and flange. From 150 l with a plug for electric heater
- Can be optionally upgraded with an electric heating element or an electric heating flange respectively

Insulation
PUR-insulation and PVC-jacket (120 l)
Neopor/fleece-insulation (150 to 500 l) for energy efficiency class B or C
Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l

WBO 405 Uno

5 years warranty

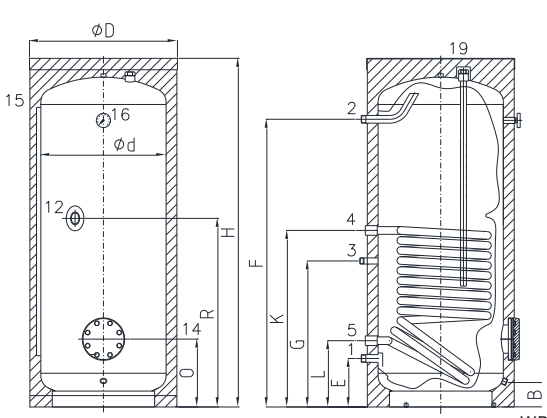
Article			WBO 120 Uno	WBO 155 Uno	WBO 205 Uno	WBO 306 Uno [WBO 305 Uno]	WBO 406 Uno [WBO 405 Uno]	WBO 506 Uno [WBO 505 Uno]	WBO 506/ 650 Uno
Capacity according to DIN EN 12897		Litre	123	152	200	298	428	499	498
Key performance indicator NL acc. to DIN 4708		N_L	1,8	2,9	4	9,1	13,8	18,9	
Performance DHW 80/60/10 °C		l/h (kW)	295 (17)	332 (19,3)	332 (19,3)	560 (32)	600 (35)	750 (44)	750 (44)
Max. working temperature DHW heat		°C	95/130	95/130	95/130	95/130	95/130	95/130	95 / 110
Max. working pressure DHW/heating		bar	10/16	10/16	10/16	10/16	10/16	10/16	10/16
Capacity of heat exchanger		l	4,7	5,2	5,2	8,6	10,5	13,7	13,7
Surface of heat exchanger		m^2	0,7	0,8	0,8	1,45	1,6	2,1	2,1
Flow rate of heat exchanger		m^3/h	2,0	2,37	2,37	2,4	2,5	2,5	2,5
Pressure loss of heat exchanger		mbar	68	30	33	48	60	78	78
Insulation		mm	50-PUR	80	80	100 [80]	120 [80]	120 [80]	120
Energy loss		Watt	49	53	54	67 [82]	73 [99]	78 [109]	78
Energy efficiency class			**B**	**B**	**B**	**B [C]**	**B [C]**	**B [C]**	**B**
Dimensions									
Diameter incl. insulation	D	mm	520	660	660	700 [660]	840 [760]	840 [760]	890
Diameter tank	d	mm	-	500	500	500	600	600	650
Height cold water connection	E	mm	120	215	215	215	250	250	219
Height hot water connection	F	mm	879	668	912	1422	1420	1680	1384
Height circulation	G	mm	460	465	547	758	670	802	1117
Height storage tank	H	mm	1009	1020	1260	1770 [1740]	1760 [1730]	2055 [1990]	1728
Tilting dimension	W	mm	-	1150	1360	1750	1800	1958	1700
Height aux boiler flow	K	mm	577	565	649	858	770	902	860
Height aux boiler return	L	mm	120	248	248	243	330	330	288
Height flange	O	mm	317	290	290	290	335	335	325
Height plug for electric heater	R	mm	-	612	703	905	822	951	964
Height sensor socket 1	X1	mm	372	-	-	-	-	-	-
Height draining	B	mm	-	105	105	105	145	145	136
Connections									
Cold water/hot water	1/2	Ga	3/4	1	1	1	1	1	1
Circulation	3	Ga	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Aux boiler flow/return	4/5	Gi	1	1	1	1	1	1	1
Plug for electric heater	12	Gi	-	6/4	6/4	6/4	6/4	6/4	6/4
Vent/Drain	13/B	Gi	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Flange	14	NW	100	116	116	116	116	116	116
Sensor socket	15	Gi	1/2	-	-	-	-	-	-
Sensor tubes	15	mm	-	10	10	10	10	10	10
Thermometer (socket)	16	Gi	1/2	•	•	•	•	•	•
Anode	19	Gi	3/4	5/4	5/4	5/4	5/4	5/4	5/4
Weight (without insulation)		kg	60	60	71	97	155	182	182
Energy efficiency class B									
Part No. (white)			55120000110	55155000191	55210000191	55306100191	55406100191	55506100191	
Part No. (silver)			-	55155000192	55210000192	55306100192	55406100192	55506100192	55506600192
Energy efficiency class C									
Part No. (white)						55310000191	55410000191	55510000191	
Part No. (silver)						55310000192	55410000192	55510000192	

Screw-in heaters and electric heating flanges on page 33

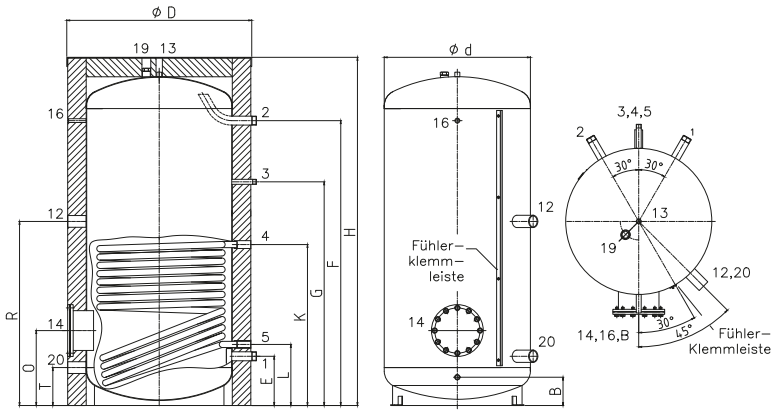
Ga = external thread, Gi = internal thread
[ ] = Values of Energy efficiency class C

DHW storage tanks

WIKORA SolarSpeicherSysteme



WBO 305 Uno



WBO 805 Uno

Article			WBO 805 Uno	WBO 1005 Uno	WBO 1505 Uno	WBO 2005 Uno	WBO 3005 Uno
Capacity according to DIN EN 12897		Litre	825	978	1529	2002	2938
Key performance indicator NL acc. to DIN 4708		N_L	24	30	42	65	–
Performance DHW 80/60/10 °C		l/h (kW)	915 (53)	989 (58)	1145 (67)	1350 (78)	1564 (91)
Max. working temperature DHW heat		°C	95/130	95/130	95/110	95/110	95/110
Max. working pressure DHW/heating		bar	10/16	10/16	6/10	6/10	6/10
Capacity of heat exchanger		l	17,7	19,8	30,6	37,8	50,5
Surface of heat exchanger		m²	2,7	3,0	3,7	4,7	6,0
Flow rate of heat exchanger		m³/h	2,4	2,4	2,4	2,4	2,4
Pressure loss of heat exchanger		mbar	143	158	50	59	68
Insulation		mm	140 [100]	150 [100]	120	120	100
Energy loss		Watt	80 [129]	86 [133]	163	183	-
Energy efficiency class			**B [C]**	**B [C]**	**-**	**-**	**-**
Dimensions							
Diameter incl. insulation	D	mm	1070 [990]	1090 [990]	1240	1440	1450
Diameter tank	d	mm	790	790	1000	1200	1250
Height cold water connection	E	mm	266	266	350	395	395
Height hot water connection	F	mm	1540	1855	1730	1625	2220
Height circulation	G	mm	1209	1446	1315	1345	1740
Height storage tank	H	mm	1880	2195	2150	2090	2680
Tilting dimension	W	mm	1891	2227	2232	2237	2775
Height aux boiler flow	K	mm	870	915	1110	1088	1338
Height aux boiler return	L	mm	330	330	395	450	468
Height flange	O	mm	405	405	440	500	495
Height plug for electric heater	R	mm	995	1135	1150	1150	1505
Height sensor socket 1	B	mm	154	154	-	-	-
Height draining	T	mm	266	266	350	395	395
Connections							
Cold water/hot water	1/2	Ga	6/4	6/4	2	2	2
Circulation	3	Ga	3/4	3/4	1	1	1
Aux boiler flow/return	4/5	Gi	1	1	5/4	2	2
Plug for electric heater	12	Gi	2	2	2	2	2
Vent/Drain	13/B	Gi	1/2	1/2	1/2	1/2	1/2
Flange	14	NW	205	205	205	205	205
Sensor socket			•	•	•	•	•
Sensor tubes	16		•	•	•	•	•
Thermometer (socket)	19	Gi	5/4	5/4	5/4	5/4	5/4
Anode	20	Gi	2	2	2	2	2
Weight (without insulation)		kg	263	290	353	454	564
Part No. storage tank			55810000101	55101000101	55151000101	55201000101	55301000101
Energy efficiency class B							
Part No. insulation (white)			11805	11807			
Part No. insulation (silver)			11806	11808			
Energy efficiency class C							
Part No. insulation (white)			11423	11425	11449	11451	10820
Part No. insulation (silver)			11424	11426	11450	11452	10821

WIKORA SolarSpeicherSysteme

Solar storage tank WBO Duo

Application
Gas, oil, pellets, district heating, wood heating, solar

Standard design
- Enamelling in certified quality according to DIN 4753, part 3-6
- With two straight-tube heat exchangers, anode, sensor gauge, thermometer, plug for electric heater and flange
- Can be optionally upgraded with an electric heating element or heating flange respectively

Insulation
Neopor/fleece-insulation (150 to 500 l) for energy efficiency class B or C
Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l

5 years warranty

WBO 405 Duo

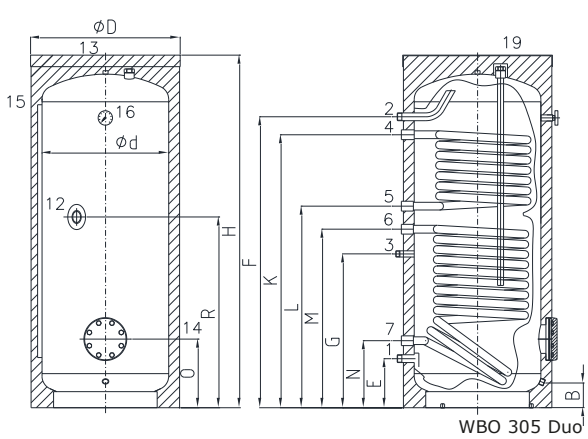
Article			WBO 306 Duo [WBO 305 Duo]		WBO 406 Duo [WBO 405 Duo]		WBO 506 Duo [WBO 505 Duo]		WBO 506/650 Duo	
			HE lower	HE upper	HE lower	HE upper	HE lower	HE upper	HE lower	HE upper
Capacity according to DIN EN 12897		Litre	296		427		497		498	
Key performance indicator NL acc. to DIN 4708		N_L	9,1	3,2	13,8	4,1	18,9	5,5	-	-
Performance DHW 80/60/10°C		l/h (kW)	560 (32)	350 (21)	608 (34)	371 (22)	750 (44)	510 (30)	750 (44)	510 (30)
Max. working temperature DHW/heating		°C	95/130		95/130		95/130		95/110	
Max. working pressure DHW/heating		bar	10/16		10/16		10/16		10/16	
Capacity of heat exchanger lower/upper		l	8,6	5,7	10,5	5,9	13,7	8,5	13,7	8,5
Surface of heat exchanger lower/upper		m^2	1,45	0,85	1,60	0,9	2,1	1,3	2,1	1,3
Flow rate of heat exchanger lower/upper		m^3/h	2,4	2,4	2,5	2,5	2,5	2,5	2,5	2,5
Pressure loss of heat exchanger lower/upper		mbar	48	42	60	35	78	53	78	53
Insulation		mm	100 [80]		120 [80]		120 [80]		120	
Energy loss		Watt	69 [86]		76 [103]		81 [113]		81	
Energy efficiency class			**B [C]**		**B [C]**		**B [C]**		**B**	
Dimensions										
Diameter incl. insulation	D	mm	700 [660]		840 [760]		840 [760]		890	
Diameter tank	d	mm	500		600		600		650	
Height cold water connection	E	mm	215		250		250		219	
Height hot water connection	F	mm	1422		1420		1680		1384	
Height circulation	G	mm	758		670		802		1117	
Height storage tank	H	mm	1770 [1740]		1760 [1730]		2055 [1990]		1728	
Tilting dimension	W	mm	1750		1800		1958		1700	
Height aux boiler flow	K	mm	1397		1398		1680		860	
Height aux boiler return	L	mm	958		870		1010		288	
Height solar flow	M	mm	858		770		902		1384	
Height solar return	N	mm	243		330		330		1031	
Height flange	O	mm	290		335		335		325	
Height plug for electric heater	R	mm	905		822		951		964	
Height draining	B	mm	105		145		145		136	
Connections										
Cold water/hot water	1/2	Ga	1		1		1		1	
Circulation	3	Ga	3/4		3/4		3/4		3/4	
Aux boiler flow/return	4/5	Gi	-	1	-	1	-	1	-	1
Solar flow/return	6/7	Gi	1	-	1	-	1	-	1	-
Plug for electric heater	12	Gi	6/4		6/4		6/4		6/4	
Vent/Drain	13/B	Gi	1/2		1/2		1/2		1/2	
Flange	14	NW	116		116		116		116	
Sensor tubes	15	mm	10		10		10		10	
Thermometer	16		•		•		•		•	
Anode	19	Gi	5/4		5/4		5/4		5/4	
Weight (without insulation)		kg	109		176		206		206	
Energy efficiency class B										
Part No. (white)			55306200191		55406200191		55506200191			
Part No. (silver)			55306200192		55406200192		55506200192		55506260192	
Energieeffizienzklasse C										
Part No. (white)			55312000191		55412000191		55512000191			
Part No. (silver)			55312000192		55412000192		55512000192			

Screw-in heaters and electric heating flanges on page 33

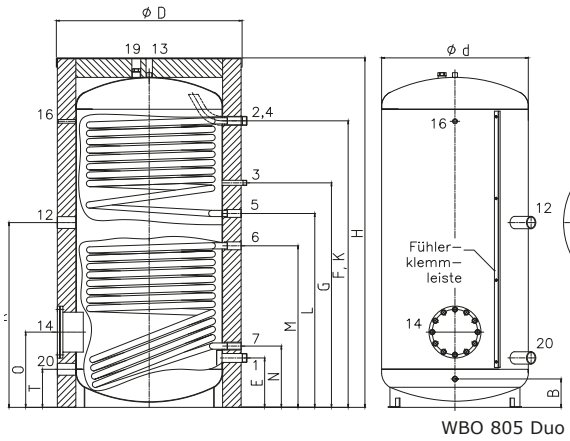
Ga = external thread, Gi = internal thread
[ ] = Values of Energy efficiency class C

DHW storage tanks

WIKORA SolarSpeicherSysteme



WBO 305 Duo



WBO 805 Duo

Article			WBO 805 Duo		WBO 1005 Duo		WBO 1505 Duo		WBO 2005 Duo		WBO 3005 Duo	
			HE lower	HE upper	HE lower	HE upper	HE lower	HE upper	HE lower	HE upper	HE lower	HE upper
Capacity according to DIN EN 12897		Litre	822		975		1525		1998		2894	
Key performance indicator NL acc. to DIN 4708		N_L	24	9	30	13	42	17	65	21	–	
Performance DHW 80/60/10°C		l/h(kW)	915 (53)	728 (42)	959 (58)	728 (42)	1145(67)	728 (42)	135(78)	758 (44)	1564(91)	1019 (59)
Max. working temperature DHW/heating		°C	95/130/130		95/130/130		95/110/110		95/110/110		95/110/110	
Max. working pressure DHW/heating		bar	10/16/16		10/16/16		6/10/10		6/10/10		6/10/10	
Capacity of heat exchanger lower/upper		l	17,7	13,3	19,8	13,3	30,6	16,7	37,8	17,6	50,5	33,5
Surface of heat exchanger lower/upper		m^2	2,7	2,0	3,0	2,0	3,7	2,0	4,7	2,1	6,0	4,0
Flow rate of heat exchanger lower/upper		m^3/h	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4
Pressure loss of heat exchanger lower/upper		mbar	143	108	158	108	50	27	59	24	68	45
Insulation		mm	140[100]		150[100]		120		120		100	
Energy loss		Watt	84 [133]		90 [142]		166		185		-	
Energy efficiency class			**B [C]**		**B [C]**		**-**		**-**		**-**	
Dimensions												
Diameter incl. insulation	D	mm	1070 [990]		1090 [990]		1240		1440		1450	
Diameter tank	d	mm	790		790		1000		1200		1250	
Height cold water connection	E	mm	266		266		350		395		395	
Height hot water connection	F	mm	1540		1855		1730		1625		2220	
Height circulation	G	mm	1209		1446		1315		1345		1740	
Height storage tank	H	mm	1880		2195		2150		2090		2680	
Tilting dimension	W	mm	1891		2227		2232		2237		2775	
Height aux boiler flow	K	mm	1540		1855		1605		1535		2220	
Height aux boiler return	L	mm	1044		1185		1215		1248		1640	
Height solar flow	M	mm	870		915		1110		1088		1338	
Height solar return	N	mm	330		330		395		450		468	
Height flange	O	mm	405		405		440		500		495	
Height plug for electric heater	R	mm	995		1135		1150		1150		1505	
Height draining	B	mm	154		154		-		-		-	
Additional connection	T	mm	266		266		350		395		395	
Connections												
Cold water/hot water	1/2	Ga	6/4		6/4		2		2		2	
Circulation	3	Ga	3/4		3/4		1		1		1	
Aux boiler flow/return	4/5	Gi	1		1		5/4		2		2	
Solar flow/return	6/7	Gi	1		1		5/4		2		2	
Plug for electric heater	12	Gi	2		2		2		2		2	
Vent/Drain	13/B	Gi	1/2		1/2		1/2		1/2		1/2	
Flange	14	NW	205		205		205		205		205	
Sensor tubes	15		•		•		•		•		•	
Thermometer	16		•		•		•		•		•	
Anode	19	Gi	5/4		5/4		5/4		5/4		5/4	
Additional connection	20	Gi	2		2		2		2		2	
Weight (without insulation)		kg	294		322		394		496		646	
Part No. storage tank			55812000101		55101200101		55151200101		55201200101		55301200101	
Energy efficiency class B												
Part No. insulation (white)			11805		11807							
Part No. insulation (silver)			11806		11808							
Energy efficiency class C												
Part No. insulation (white)			11423		11425		11449		11451		10820	
Part No. insulation (silver)			11424		11426		11450		11452		10821	

WIKORA SolarSpeicherSysteme

High performance tank WBO H

Application
Gas, oil, pellets, district heating, wood heating, heat pump

Standard design
- Enamelling in certified quality according to DIN 4753, part 3-6
- With one double helix heat exchanger, anode, sensor gauge, thermometer, plug for electric heater and flange
- Can be optionally upgraded with an electric heating element or heating flange respectively

Insulation
Neopor/fleece-insulation (200 to 500 l) for energy efficiency class B or C
Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l

WBO 405 H

5 years warranty

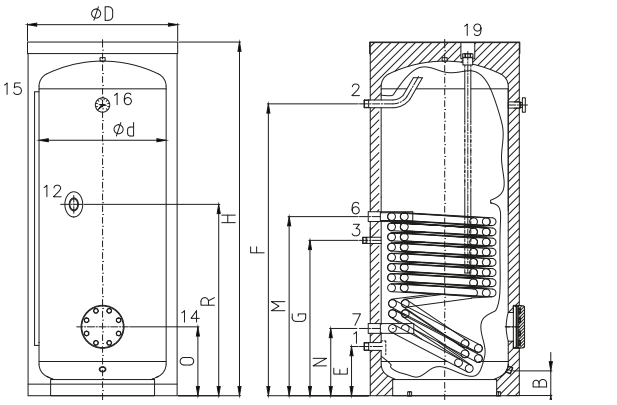
Article			WBO 205 H	WBO 306 H/35 [WBO 305 H]	WBO 406 H [WBO 405 H]	WBO 505 H 50	WBO 506 H 60 [WBO 505 H 60]	WBO 506/ 650 H65
Capacity according to DIN EN 12897		Litre	197	295/292	423	496	493	498
Key performance indicator NL acc. to DIN 4708, VL 80°		N_L	5,1	12,2	17,1	21,7	35	-
Key performance indicator NL acc. to DIN 4708, VL 50°		N_L	1,2	2,3	3,6	5,7	6,4	-
Performance DHW 80/60/10 °C		l/h(kW)	698 (40)	1111(65)/ [1070(62)]	1390 (81)	1390 (81)	1530 (90)	1637 (95)
Max. working temperature DHW/heating		°C	95/110	95/110	95/110	95/110	95/110	95 / 110
Max. working pressure DHW/heating		bar	10/16	10/16	10/16	10/16	10/16	10/16
Capacity of heat exchanger		l	12,4	19,5/22,7	32,7	32,7	39,0	43,0
Surface of heat exchanger		m^2	1,9	3,0/3,5	5,0	5,0	6,0	6,5
Flow rate of heat exchanger		m^3/h	2,4	2,4	2,5	2,5	2,4	2,5
Pressure loss of heat exchanger		mbar	23	22/25	26	26	110	55
Insulation		mm	80	100 [80]	120 [80]	80	120 [80]	120
Energy loss		Watt	54	67 [82]	73 [99]	109	78 [109]	78
Energy efficiency class			**B**	**B [C]**	**B [C]**	**C**	**B [C]**	**B**
Dimensions								
Diameter incl. insulation	D	mm	660	700 [660]	840 [760]	760	840 [760]	890
Diameter tank	d	mm	500	500	600	600	600	650
Height cold water connection	E	mm	215	215	250	250	250	219
Height hot water connection	F	mm	912	1422	1420	1680	1680	1384
Height circulation	G	mm	547	758	998	998	998	1117
Height storage tank	H	mm	1215	1770 [1740]	1760 [1730]	1990	2055 [1990]	1728
Tilting dimension	W	mm	1360	1750	1800	1958	1958	1700
Height aux boiler flow	K	mm	649	940 [858]	1098	1098	1274	1277
Height aux boiler return	L	mm	248	243	285	285	285	288
Height flange	O	mm	290	290	335	335	335	325
Height plug for electric heater	R	mm	703	905	1155	1164	1164	1348
Height draining	B	mm	105	105	145	145	145	136
Connections								
Cold water/hot water	1/2	Ga	1	1	1	1	1	1
Circulation	3	Ga	3/4	3/4	3/4	3/4	3/4	3/4
Aux boiler flow/return	4/5	Gi	5/4	5/4	5/4	5/4	5/4	5/4
Plug for electric heater	12	Gi	6/4	6/4	6/4	6/4	6/4	6/4
Entlüftung/Entleerung	13/B	Gi	1/2	1/2	1/2	1/2	1/2	1/2
Flange	14	NW	116	116	116	116	116	116
Sensor tubes	15	mm	10	10	10	10	10	10
Thermometer	16		•	•	•	•	•	•
Anode	19	Gi	5/4	5/4	5/4	5/4	5/4	5/4
Weight (without insulation)		kg	84	134	212	243	254	259
Energy efficiency class B								
Part No. (white)			55219000191	55306300191	55406300191		55506310191	
Part No. (silver)			55219000192	55306300192	55406300192		55506310192	55506360192
Energy efficiency class C								
Part No. (white)				55319000191	55419000191	55519000191	55519100191	
Part No. (silver)				55319000192	55419000192	55519000192	55519100192	

Screw-in heaters and electric heating flanges on page 33

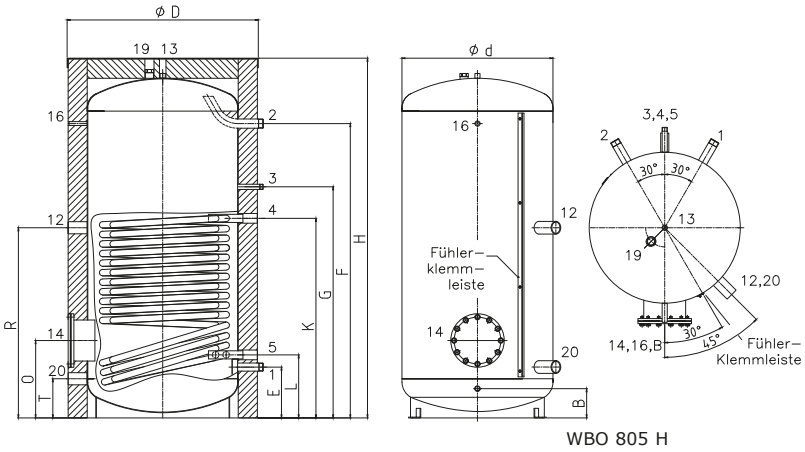
Ga = external thread, Gi = internal thread
[ ] = Values of Energy efficiency class C

DHW storage tanks

WIKORA SolarSpeicherSysteme



WBO 305 H



WBO 805 H

Article			WBO 605 H	WBO 805 H 60	WBO 805 H 70	WBO 1005 H 70	WBO 1005 H 92	WBO 1505 H
Capacity according to DIN EN 12897		Litre	588	820	818	971	969	1520
Key performance indicator NL acc. to DIN 4708, VL 80°		N_L		35	40	42	60	64
Key performance indicator NL acc. to DIN 4708, VL 50°		N_L		6,4	7,0	7,9	10	11
Performance DHW 80/60/10 °C		l/h (kW)	1886 (109)	1564 (91)	2032(118)	1703 (99)	2425 (141)	2398 (140)
Max. working temperature DHW/heating		°C	95/110	95/110	95/110	95/110	95/110	95/110
Max. working pressure DHW/heating		bar	8/12	10/16	10/16	10/16	10/16	6/10
Capacity of heat exchanger		l	43,0	37,0	60,0	47,5	77,0	75,5
Surface of heat exchanger		m²	6,5	6,0	7,0	7,0	9,2	9,0
Flow rate of heat exchanger		m³/h	2,5	2,4	8,5	2,4	11,1	2,4
Pressure loss of heat exchanger		mbar	55	146	338	198	734	105
Insulation		mm	130 [100]	140 [100]	140 [100]	150 [100]	150 [100]	120
Energy loss		Watt	70 [116]	80 [129]	80 [129]	86 [140]	86 [140]	163
Energy efficiency class			**B [C]**	**B [C]**	**B [C]**	**B [C]**	**B [C]**	**-**
Dimensions								
Diameter incl. insulation	D	mm	910 [850]	1070 [990]	1070 [990]	1090 [990]	1090 [990]	1240
Diameter tank	d	mm	650	790	790	790	790	1000
Height cold water connection	E	mm	219	266	266	266	266	350
Height hot water connection	F	mm	1684	1540	1540	1855	1855	1730
Height circulation	G	mm	1177	1244	1244	1446	1446	1220
Height storage tank	H	mm	2008	1880	1880	2195	2195	2150
Tilting dimension	W	mm	1980	1891	1891	2227	2227	2232
Height aux boiler flow	K	mm	1227	1094	1305	1289	1565	1370
Height aux boiler return	L	mm	288	330	330	330	330	395
Height flange	O	mm	325	405	405	405	405	440
Height plug for electric heater	R	mm	1348	1165	1165	1360	1360	1436
Height draining	B	mm	136	154	154	154	154	-
Additional connection	T	mm	-	266	266	266	266	350
Connections								
Cold water/hot water	1/2	Ga	1	6/4	6/4	6/4	6/4	2
Circulation	3	Ga	3/4	3/4	3/4	3/4	3/4	1
Aux boiler flow/return	4/5	Gi	5/4	5/4	2	5/4	2	2
Plug for electric heater	12	Gi	6/4	2	2	2	2	2
Entlüftung/Entleerung	13/B	Gi	1/2	1/2	1/2	1/2	1/2	1/2
Flange	14	NW	116	205	205	205	205	205
Sensor tubes	15		•	•	•	•	•	•
Thermometer	16		•	•	•	•	•	•
Anode	19	Gi	5/4	5/4	5/4	5/4	5/4	5/4
Additional connection	20	Gi		2	2	2	2	2
Weight (without insulation)		kg	280	304	318	351	360	446
Part No. storage tank			55619000101	55819000101	55819100101	55101900101	55101920101	55151900101
Energy efficiency class B								
Part No. insulation (white)			11818	11809	11812	11814	11816	
Part No. insulation (silver)			11819	11810	11813	11815	11817	
Energy efficiency class C								
Part No. insulation (white)			11768	11427	11429	11431	11433	11453
Part No. insulation (silver)			11799	11428	11430	11432	11434	11454

WIKORA SolarSpeicherSysteme

High performance tank WBO WP/SOL

WBO 406 WP/SOL

Application
Gas, oil, pellets, district heating, wood heating, heat pump, solar

Standard design
- Enamelling in certified quality according to DIN 4753, part 3-6
- With one double helix heat exchanger in the upper section, one straight-tube heat exchanger in the lower section, anode, sensor gauge, thermometer, plug for electric heater and flange
- Can be optionally upgraded with an electric heating element or heating flange respectively

Insulation
Neopor/fleece-insulation (400 to 500 l) for energy efficiency class B or C
Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l

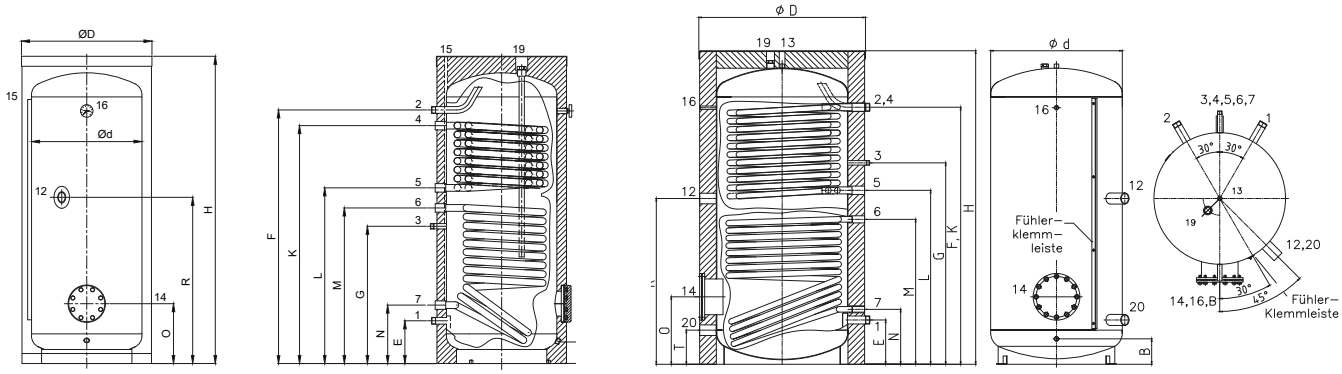
5 years warranty

Article			WBO 406 WP/SOL	WBO 506 WP/SOL	WBO 506/650 WP/SOL
Capacity according to DIN EN 12897		Litre	423	493	498
Key performance indicator NL acc. to DIN 4708, VL 80° (lower/upper)		N_L	13,8/6,8	18,9/10	-
Key performance indicator NL acc. to DIN 4708, VL 50° (upper)		N_L	2,4	2,8	-
Continuous output hot water 80/60/10°C (HE lower)		l/h (kW)	608 (35)	750 (44)	758 (44)
Continuous output hot water 80/60/10°C (HE upper)		l/h (kW)	999 (57)	1190 (69)	1319 (76)
Max. working temperature DHW/HE lower/HE upper		°C	95/110/110	95/110/110	95/110/110
Max. working pressure DHW/HE lower/HE upper		bar	10/16/16	10/16/16	10/16
Capacity of heat exchanger lower/upper		Liter	10,5/19,6	13,7/25,5	13,7/29,0
Surface of heat exchanger lower/upper		m^2	1,6/3,0	2,1/3,9	2,1 / 4,5
Flow rate of heat exchanger lower/upper		m^3/h	2,5/2,5	2,5/2,5	2,5 / 2,5
Pressure loss of heat exchanger lower/upper		mbar	60/20	78/18	53/29
Insulation		mm	120 [80]	120 [80]	120
Energy loss		Watt	76 [103]	81 [113]	81
Energy efficiency class			**B**	**B**	**B**
Dimensions					
Diameter incl. insulation	D	mm	840	840	890
Diameter tank	d	mm	600	600	650
Height cold water connection	E	mm	250	250	219
Height hot water connection	F	mm	1420	1680	1384
Height circulation	G	mm	670	802	1117
Height storage tank	H	mm	1760	2055	1728
Tilting dimension	W	mm	1800	1958	1700
Height aux boiler flow	K	mm	1398	1680	1384
Height aux boiler return	L	mm	870	1010	684
Height solar flow	M	mm	770	902	569
Height solar return	N	mm	330	330	219
Height flange	O	mm	335	335	325
Height plug for electric heater	R	mm	822	951	626
Height draining	B	mm	145	145	136
Connections					
Cold water/hot water	1/2	Ga	1	1	1
Circulation	3	Ga	3/4	3/4	3/4
Aux boiler flow/return	4/5	Gi	5/4	5/4	5/4
Solar flow/return	6/7	Gi	1	1	1
Plug for electric heater	12	Gi	6/4	6/4	6/4
Vent/Drain	13/B	Gi	1/2	1/2	1/2
Flange	14	NW	116	116	116
Sensor tubes	15	mm	10	10	10
Thermometer	16		•	•	•
Anode	19	Gi	5/4	5/4	5/4
Weight (without insulation)		kg	209	254	256
Part No. (white)			55406400191	55506400191	
Part No. (silver)			55406400192	55506400192	55506460192

Screw-in heaters and electric heating flanges on page 33

Ga = external thread, Gi = internal thread
[ ] = Values of Energy efficiency class C

DHW storage tanks



WBO 406 WP/SOL

WBO 805 WP/SOL

Article			WBO 605 WP/SOL	WBO 805 WP/SOL	WBO 1005 WP/SOL	WBO 1505 WP/SOL
Capacity according to DIN EN 12897		Litre	523	816	967	1517
Key performance indicator NL acc. to DIN 4708, VL 80° (lower/upper)		N_L	18/22	16/17	23/21	-
Key performance indicator NL acc. to DIN 4708, VL 50°		N_L	6,5	5	6	-
Continuous output hot water 80/60/10°C (HE lower)		l/h (kW)	659 (38)	915 (53)	989 (58)	1300 (75)
Continuous output hot water 80/60/10°C (HE upper)		l/h (kW)	1529 (89)	1274 (74)	1482 (86)	2052 (119)
Max. working temperature DHW/HE lower/HE upper		°C	95/110	95/110/110	95/110/110	95/110/110
Max. working pressure DHW/HE lower/HE upper		bar	8/12	10/16/16	10/16/16	6/10/10
Capacity of heat exchanger lower/upper		Liter		17,7 / 29,0	19,8 / 37,0	30,6 / 60,5
Surface of heat exchanger lower/upper		m^2	2,0 / 5,8	2,7 / 4,3	3,0 / 5,5	3,7 / 7,0
Flow rate of heat exchanger lower/upper		m^3/h	2,5 / 2,5	2,4 / 2,4	2,4 / 2,4	2,4 / 2,4
Pressure loss of heat exchanger lower/upper		mbar	65 / 108	143 / 122	158 / 154	24 / 44
Insulation		mm	130 [100]	140 [100]	150 [100]	120
Energy loss		Watt	74 [120]	84 [132]	90 [137]	166
Energy efficiency class			**B [C]**	**B [C]**	**B [C]**	**-**
Dimensions						
Diameter incl. insulation	D	mm	910 [850]	1070 [990]	1090 [990]	1240
Diameter tank	d	mm	650	790	790	1000
Height cold water connection	E	mm	219	266	266	350
Height hot water connection	F	mm	1684	1540	1855	1730
Height circulation	G	mm	1177	1209	1446	1315
Height storage tank	H	mm	2008	1880	2195	2150
Tilting dimension	W	mm	1980	1891	2227	2232
Height aux boiler flow	K	mm	1684	1540	1855	1730
Height aux boiler return	L	mm	684	1044	1185	950
Height solar flow	M	mm	569	870	915	785
Height solar return	N	mm	219	330	330	395
Height flange	O	mm	325	405	405	440
Height plug for electric heater	R	mm	652	995	1135	868
Height draining	B	mm	136	154	154	-
Additional connection	T	mm	-	266	266	350
Anschlüsse						
Cold water/hot water	1/2	Ga	1	6/4	6/4	2
Circulation	3	Ga	3/4	3/4	3/4	1
Aux boiler flow/return	4/5	Gi	5/4	5/4	5/4	2
Solar flow/return	6/7	Gi	1	1	1	2
Plug for electric heater	12	Gi	6/4	2	2	2
Vent/Drain	13/B	Gi	1/2	1/2	1/2	1/2
Flange	14	NW	116	205	205	205
Sensor tubes	15		•	•	•	•
Thermometer	16			•	•	•
Anode	19	Gi	5/4	5/4	5/4	5/4
Additional connection	20	Gi		2	2	2
Weight (without insulation)		kg	315	325	366	473
Part No. storage tank			55616000101	55816000101	55101600101	55151600101
Energy efficiency class B						
Part No. insulation (white)			11818	11805	11807	
Part No. insulation (silver)			11819	11806	11808	
Energy efficiency class C						
Part No. insulation (white)			11768	11423	11425	11455
Part No. insulation (silver)			11799	11424	11426	11456

DHW buffer tank WPS

WPS 505

Application
Gas, oil, pellets, heat pump, wood heating, district heating

Standard design
- Enamelling in certified quality according to DIN 4753, part 3-6
- With anode, sensor gauge, thermometer, plug for electric heater and flange
- Can be optionally upgraded with an electric heating element or an electric heating flange respectively

Insulation
Neopor/fleece-insulation (200 to 500 l) for energy efficiency class B or C
Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l

5 years warranty

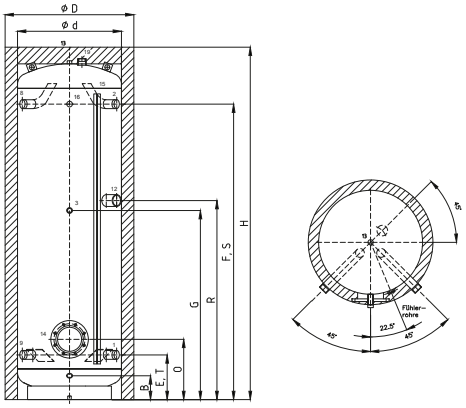
Article			WPS 205	WPS 305	WPS 406	WPS 505	WPS 506/650
Capacity according to DIN EN 12897		Litre	201	300	431	500	500
Max. working temperature		°C	95	95	95	95	95
Max. working pressure		bar	10	10	10	10	10
Insulation		mm	80	80	120	80	120
Energy loss		Watt	54	82	73	109	78
Energy efficiency class			**B**	**C**	**B**	**C**	**B**
Dimensions							
Diameter incl. insulation	D	mm	660	660	840	760	890
Diameter tank	d	mm	500	500	600	600	650
Height cold water connection	E/T	mm	215	215	250	250	219
Height hot water connection	F/S	mm	912	1422	1420	1690	1384
Height circulation	G	mm	620	910	910	1121	1117
Height storage tank	H	mm	1215	1770	1760	1990	1728
Tilting dimension	W	mm	1172	1650	1760	1946	1700
Height flange	O	mm	290	290	335	335	325
Height plug for electric heater	R	mm	648	958	960	1171	964
Height draining	B	mm	105	105	145	145	136
Connections							
Cold water/hot water	1/2	Ga	5/4	5/4	6/4	6/4	6/4
Circulation	3	Ga	3/4	3/4	3/4	3/4	3/4
Load circuit flow/return	8/9	Ga	5/4	5/4	6/4	6/4	6/4
Plug for electric heater	12	Gi	6/4	6/4	6/4	6/4	6/4
Drain	B	Gi	1/2	1/2	1/2	1/2	1/2
Flange	14	NW	116	116	116	116	116
Sensor tubes	15	mm	10	10	10	10	10
Thermometer	16		•	•	•	•	•
Anode	19	Ga	5/4	5/4	5/4	5/4	5/4
Weight (without insulation)		kg	105	80	130	160	160
Energy efficiency class B							
Part No. (white)			42205000191		42406000191		
Part No. (silver)			42205000192		42406000192		42506600192
Energy efficiency class C							
Part No. (white)				42305000191		42505000191	
Part No. (silver)				42305000192		42505000192	

Cu fin-tube heat exchanger WPS (straight standard design)

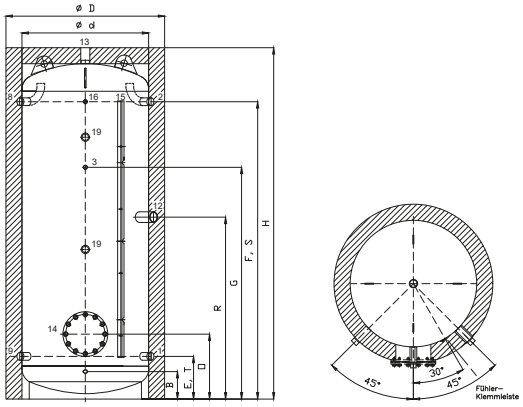
- Assembled on flange plate for flange Ø 280, incl. a set of screws, washers and sealing
- With union connector (electrical separation type)
- Max. working pressure 25 bar, max. working temperature 95 °C, exchanger outside tin-plated.

					approx. performance 10/45				
Type	**Heating area ca. m2**	**Ø ca. mm**	**Installation depth mm**	**Connection thread**	**55 °C kW**	**70 °C kW**	**80 °C kW**	**90 °C kW**	**Part No.**
WTN 13 S	1,30	140	430	R ¾	7	16	22	28	400394
WTN 18 S	1,80	170	450	R ¾	10	22	33	42	400762
WTT 23 S	2,30	180	510	R 1	13	30	42	53	400764
WTT 27 S	2,70	180	530	R 1	17	36	52	70	400766
WTT 31 S	3,10	180	560	R 1	20	42	61	77	400768
WTT 46 S	4,60	180	790	R 1	23	52	72	90	400770
Remark: Please consider the installation depth in relation to the tank diameter									

Buffer tanks



WPS 305



WPS 805

Article			WPS 805	WPS 1005	WPS 1505	WPS 2005	WPS 3005
Capacity according to DIN EN 12897		Liter	830	983	1535	2010	3035
Max. working temperature		°C	95	95	95	95	95
Max. working pressure		bar	10	10	6	6	6
Insulation		mm	140 [100]	150 [100]	120	120	100
Energy loss		Watt	80 [130]	86 [139]	160	181	-
Energy efficiency class			**B [C]**	**B [C]**	**-**	**-**	**-**
Dimensions							
Diameter incl. insulation	D	mm	1070 [990]	1090 [990]	1240	1440	1450
Diameter tank	d	mm	790	790	1000	1200	1250
Height cold water connection	E/T	mm	266	266	350	395	390
Height hot water connection	F/S	mm	1540	1855	1730	1625	2220
Height circulation	G	mm	1209	1446	1315	1250	1740
Height storage tank	H	mm	1880	2195	2150	2090	2680
Tilting dimension	W	mm	1891	2227	2232	2237	2775
Height flange	O	mm	405	405	440	500	495
Height plug for electric heater	R	mm	995	1135	1150	1150	1505
Height draining	B	mm	154	154	-	-	-
Connections							
Cold water/hot water	1/2	Ga	6/4	6/4	2	2	2
Circulation	3	Ga	3/4	3/4	1	1	1
Load circuit flow/return	8/9	Ga	6/4	6/4	2	2	2
Plug for electric heater	12	Gi	2	2	2	2	2
Drain	13/B	Gi	5/4 / 1/2	5/4 / 1/2	5/4	5/4	5/4
Flange	14	NW	205	205	205	205	205
Sensor tubes	15		•	•	•	•	•
Thermometer	16	Gi	•	•	•	•	•
Anode	19	Ga	5/4	5/4	5/4	5/4	5/4
Weight (without insulation)		kg	218	252	292	382	464
Part No. storage tank			42805000101	42100500101	42150500101	42200500101	42300500101
Energy efficiency class B							
Part No. (white)			11820	11822			
Part No. (silver)			11821	11823			
Energy efficiency class C							
Part No. (white)			11435	11437	11457	11459	10832
Part No. (silver)			11436	11438	11458	11460	10833

Screw-in heaters and electric heating flanges on page 33

Ga = external thread, Gi = internal thread
[ ] = Values of Energy efficiency class C

WIKORA SolarSpeicherSysteme

Heating buffer tank WPH

Application
Gas, oil, pellets, heat pump, wood heating, district heating

Standard design
- With sensor gauge and thermometer
- Can be optionally upgraded with an electric heating element

Insulation
Neopor/fleece-insulation (200 to 500 l) for energy efficiency class B
Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l

5 years warranty

WPH 306

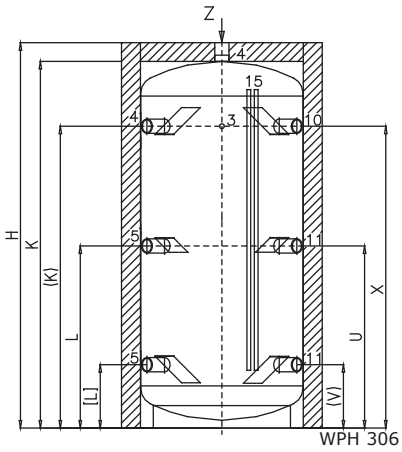
Article			WPH 205	WPH 306	WPH 406	WPH 506	WPH 506/650
Capacity according to DIN EN 12897		Litre	201	300	431	500	500
Max. working temperature		°C	95	95	95	95	95
Max. working pressure		bar	3	3	3	3	3
Insulation		mm	80	100	120	120	120
Energy loss		Watt	59	67	73	78	78
Energy efficiency class			**B**	**B**	**B**	**B**	**B**
Dimensions							
Diameter incl. insulation	D	mm	660	700	840	840	890
Diameter tank	d	mm	500	500	600	600	650
Height storage tank	H	mm	1215	1740	1730	1990	1728
Tilting dimension	W	mm	1120	1665	1660	1900	1661
Height aux boiler flow	K (K)	mm	1128 (900)	1641 (1413)	1635 (1395)	1895 (1655)	1633 (1384)
Height aux boiler return	L	mm	567	1020	1018	1192	1010
Height aux boiler return	(L)	mm	(-)	626	642	728	630
Height aux boiler return	[L]	mm	233	233	265	265	254
Height heating flow	U	mm	567	1020	1018	1192	1010
Height heating return	V (V)	mm	- (233)	626 (233)	642 (265)	728 (265)	630 (254)
Connections							
Thermometer	3		•	•	•	•	•
Aux boiler flow/return	4/5	Gi	6/4	6/4	6/4	6/4	6/4
Heating flow/return	10/11	Gi	6/4	6/4	6/4	6/4	6/4
Sensor tubes	15	mm	10	10	10	10	10
Weight (without insulation)		kg	54	70	81	89	89
Part No. (white)			41209000191	41306000191	41406000191	41506000191	
Part No. (silver)			41209000192	41306000192	41406000192	41506000192	41506600192

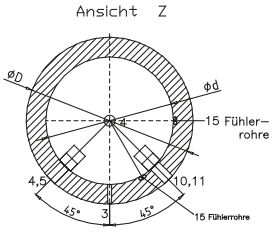
Screw-in heaters and electric heating flanges on page 33

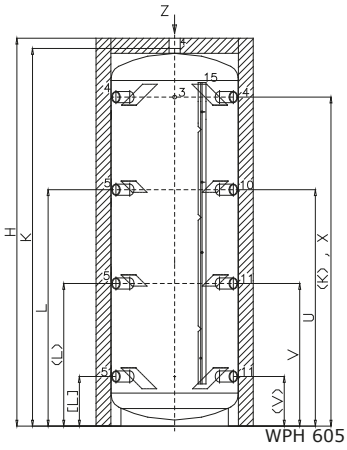
Ga = external thread, Gi = internal thread
[ ] = Values of Energy efficiency class C

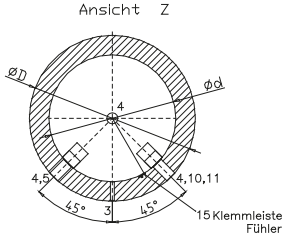
Buffer tanks

WIKORA SolarSpeicherSysteme









Article			WPH 605	WPH 805	WPH 1005/790	WPH 1005/850	WPH 1505	WPH 2005	WPH 3005
Capacity according to DIN EN 12897		Litre	601	830	983	983	1535	2010	3035
Max. working temperature		°C	95	95	95	95	95	95	95
Max. working pressure		bar	3	3	3	3	3	3	3
Insulation		mm	130 [100]	140 [100]	150 [100]	150 [100]	120	120	100
Energy loss		Watt	76 [114]	86 [131]	92 [139]	92 [137]	160	181	-
Energy efficiency class			**B [C]**	**B [C]**	**B [C]**	**B [C]**	**-**	**-**	**-**
Dimensions									
Diameter incl. insulation	D	mm	910 [850]	1070 [990]	1090 [990]	1150 [1050]	1240	1440	1450
Diameter tank	d	mm	650	790	790	850	1000	1200	1250
Height storage tank	H	mm	2008	1880	2195	1940	2150	2090	2680
Tilting dimension	W	mm	1960	1845	2150	1910	2130	2100	2670
Height aux boiler flow	K (K)	mm	1933 (1684)	1802 (1520)	2117 (1835)	1867 (1590)	2074 (1730)	2013 (1625)	2603 (2220)
Height aux boiler return	L	mm	1210	1020	1340	1150	1340	1300	1700
Height aux boiler return	(L)	mm	730	700	740	720	740	720	930
Height aux boiler return	[L]	mm	254	290	290	280	350	395	390
Height heating flow	U	mm	1210	1020	1430	1150	1340	1300	1700
Height heating return	V (V)	mm	730 (254)	700 (290)	740 (290)	720 (280)	740 (350)	720 (395)	930 (390)
Connections									
Thermometer	3		•	•	•	•	•	•	•
Aux boiler flow/return	4/5	Gi	6/4	6/4	6/4	6/4	2	2	2
Heating flow/return	10/11	Gi	6/4	6/4	6/4	6/4	2	2	2
Sensor tubes	15		•	•	•	•	•	•	•
Weight (without insulation)		kg	106	124	172	176	203	254	307
Part No. storage tank			41609000101	41809000101	41900900101	41100900101	41150900101	41200900101	41300900101
Energy efficiency class B									
Part No. (white)			11824	11826	11828	11830			
Part No. (silver)			11825	11827	11829	11831			
Energy efficiency class C									
Part No. (white)			11439	11441	11421	11443	11461	11463	10532
Part No. (silver)			11440	11442	11422	11444	11462	11464	10480

WIKORA SolarSpeicherSysteme

Heating buffer tank WPR/WPRR

Application
Gas, oil, pellets, heat pump, wood heating, district heating, solar

Standard design
- With sensor clamp and thermometer
- With one or two straight-tube heat exchangers
- Can be optionally upgraded with an electric heating element

Insulation
Neopor/fleece-insulation (600 to 1000 l) for energy efficiency class B or C
Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l

5 years warranty WPRR

WPRR 805

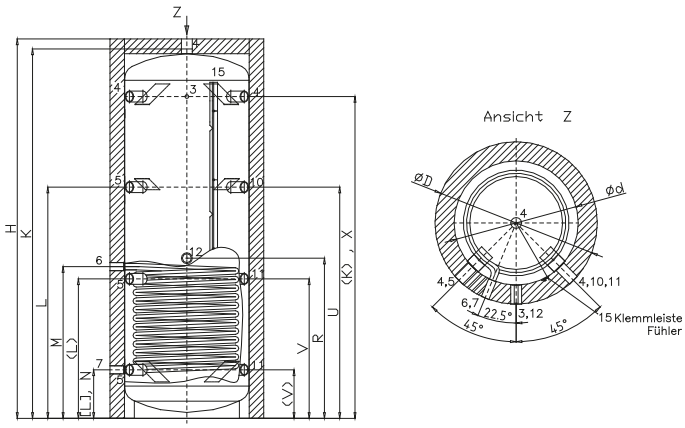
Article			WPR 605	WPR 805	WPR 1005/790	WPR 1005/850	WPR 1505	WPR 2005	WPR 3005
Capacity (act.) according to DIN EN 12897		Litre	598	825	978	978	1529	2003	2930
Max. working temperature buffer/HE		°C	95/160	95/160	95/160	95/160	95/160	95/160	95/160
Max. working pressure buffer/HE		bar	3/10	3/10	3/10	3/10	3/10	3/10	3/10
Capacity of heat exchanger		l	13,5	18	20	20	25	27	40
Surface of heat exchanger		m^2	2,0	2,7	3,0	3,0	3,7	4,0	6,0
Flow rate of heat exchanger		m^3/h	1,5	1,5	1,5	1,5	2,0	2,0	2,5
Pressure loss heat exchanger		mbar	90	90	95	95	180	205	313
Insulation		mm	130 [100]	140 [100]	150 [100]	150 [100]	120	120	100
Energy loss		Watt	80 [117]	90 [134]	96 [140]	96 [138]	163	183	-
Energy efficiency class			**B [C]**	**B [C]**	**B [C]**	**B [C]**	**-**	**-**	**-**
Dimensions									
Diameter incl. insulation	D	mm	910 [850]	1070 [990]	1090 [990]	1150 [1050]	1240	1440	1450
Diameter tank	d	mm	650	790	790	850	1000	1200	1250
Height storage tank	H	mm	2008	1880	2195	1940	2150	2090	2680
Tilting dimension	W	mm	1960	1845	2150	1910	2130	2100	2670
Height aux boiler flow	K (K)	mm	1933 (1684)	1802 (1520)	2117 (1835)	1867 (1590)	2074 (1730)	2013 (1625)	2603 (2220)
Height aux boiler return	L	mm	1210	1020	1340	1150	1340	1300	1700
Height aux boiler return	(L)	mm	730	700	740	720	740	720	930
Height aux boiler return	[L]	mm	254	290	290	280	350	395	390
Height solar flow	M	mm	794	830	875	865	935	935	1200
Height solar return	N	mm	254	290	290	280	350	395	390
Height plug for electric heater	R	mm	838	980	980	950	1050	1050	1500
Height heating flow	U	mm	1210	1020	1340	1150	1340	1300	1700
Height heating return	V (V)	mm	730 (254)	700 (290)	740 (290)	720 (280)	740 (350)	720 (395)	930 (390)
Connections									
Thermometer	3		•	•	•	•	•	•	•
Aux boiler flow/return	4/5	Gi	6/4	6/4	6/4	6/4	2	2	2
Solar flow/return	6/7	Gi	1	1	1	1	1	5/4	5/4
Heating circuit flow/return	10/11	Gi	6/4	6/4	6/4	6/4	2	2	2
Plug for electric heater	12	Gi	6/4	6/4	6/4	6/4	2	2	2
Sensor clamp	15		•	•	•	•	•	•	•
Weight (without insulation)		kg	132	169	213	213	254	314	387
Part No. storage tank			47609100101	47809100101	47979100101	47100910101	47150900101	47200910101	47300910101
Energy efficiency class B									
Part No. insulation (white)			11824	11826	11828	11830			
Part No. insulation (silver)			11825	11827	11829	11831			
Energy efficiency class C									
Part No. insulation (white)			11439	11441	11421	11443	11461	11463	10532
Part No. insulation (silver)			11440	11442	11422	11444	11462	11464	10480

Screw-in heaters and electric heating flanges on page 33

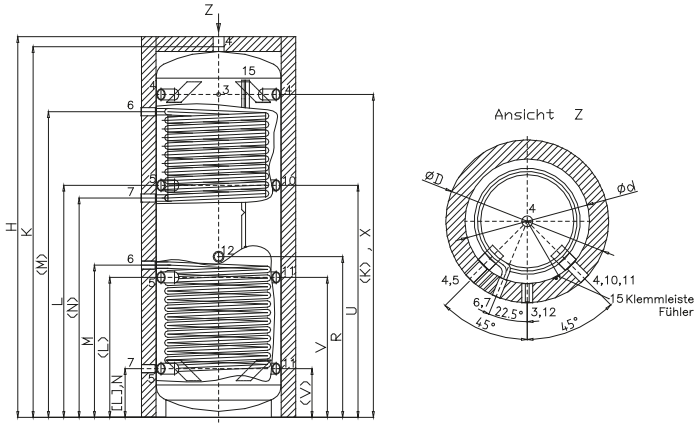
Ga = external thread, Gi = internal thread
[ ] = Values of Energy efficiency class C

Buffer tanks

WIKORA SolarSpeicherSysteme



WPR 605



WPRR 605

Article			WPRR 605	WPRR 805	WPRR 1005/790	WPRR 1005/850	WPRR 1505	WPRR 2005	WPRR 3005
Capacity (act.) according to DIN EN 12897		Litre	596	822	975	975	1525	1998	2953
Max. working temperature buffer/HE		°C	95/160	95/160	95/160	95/160	95/160	95/160	95/160
Max. working pressure buffer/HE		bar	3/10	3/10	3/10	3/10	3/10	3/10	3/10
Capacity of heat exchanger		l	13,5/11,5	18,0/13,5	20,0/13,5	20,0/14,0	25/17	27/18	40/27
Surface of heat exchanger		m^2	2,0/1,7	2,7/2,0	3,0/2,0	3,0/2,1	3,7/2,5	4,0/2,7	6,0/4,0
Flow rate of heat exchanger		m^3/h	1,5	1,5	1,5	1,5	2,0	2,0	2,5
Pressure loss heat exchanger		mbar	70/55	90/70	95/70	95/70	180/125	205/135	313/290
Insulation		mm	130 [100]	140 [100]	150 [100]	150 [100]	120	120	100
Energy loss		Watt	84 [120]	94 [137]	100 [142]	100 [140]	165	185	-
Energy efficiency class			**B [C]**	**B [C]**	**B [C]**	**B [C]**	-	-	-
Dimensions									
Diameter incl. insulation	D	mm	910 [850]	1070 [990]	1090 [990]	1150 [1050]	1240	1440	1450
Diameter tank	d	mm	650	790	790	850	1000	1200	1250
Height storage tank	H	mm	2008	1880	2195	1940	2150	2090	2680
Tilting dimension	W	mm	1960	1845	2150	1910	2130	2100	2670
Height aux boiler flow	K (K)	mm	1933 (1684)	1802 (1520)	2117 (1835)	1867 (1590)	2074 (1730)	2013 (1625)	2603 (2220)
Height aux boiler return	L	mm	1210	1020	1340	1150	1340	1300	1700
Height aux boiler return	(L)	mm	730	700	740	720	740	720	930
Height aux boiler return	[L]	mm	254	290	290	280	350	395	390
Height solar flow	M	mm	794 (1597)	830 (1490)	875 (1780)	865 (1485)	935 (1660)	935 (1555)	1200 (2155)
Height solar return	N	mm	254 (1144)	290 (1085)	290 (1375)	280 (1035)	350 (1255)	395 (1195)	390 (1615)
Height plug for electric heater	R	mm	838	980	980	950	1050	1050	1500
Height heating flow	U	mm	1210	1020	1340	1150	1340	1300	1700
Height heating return	V (V)	mm	730 (254)	700 (290)	740 (290)	720 (280)	740 (350)	720 (395)	930 (390)
Connections									
Thermometer	3		•	•	•	•	•	•	•
Aux boiler flow/return	4/5	Gi	6/4	6/4	6/4	6/4	2	2	2
Solar flow/return	6/7	Gi	1	1	1	1	1	5/4	5/4
Heating circuit flow/return	10/11	Gi	6/4	6/4	6/4	6/4	2	2	2
Plug for electric heater	12	Gi	6/4	6/4	6/4	6/4	2	2	2
Sensor clamp	15		•	•	•	•	•	•	•
Weight (without insulation)		kg	155	196	248	248	290	355	447
Part No. storage tank			47609200101	47809200101	47979200101	47100920101	47150920101	47200920101	47300920101
Energy efficiency class B									
Part No. insulation (white)			11824	11826	11828	11830			
Part No. insulation (silver)			11825	11827	11829	11831			
Energy efficiency class C									
Part No. insulation (white)			11439	11441	11421	11443	11461	11463	10532
Part No. insulation (silver)			11440	11442	11422	11444	11462	11464	10480

WIKORA SolarSpeicherSysteme

Tank-on-tank system WPK/WPKR H Twin

Application
Gas, oil, pellets, heat pump, district heating, wood heating, solar

Standard design
- Buffer tank with one straight-tube heat exchanger and DHW storage tank on top incl. double helix heat exchanger, flange and Mg-anode, DHW storage tank with enamelling in certified quality according to DIN 4753, part 3-6, buffer tank internal bare
- Sensor tubes, thermometer and plug for electric heater
- Can be optionally upgraded with an electric heating element

Insulation
Neopor/fleece-insulation (600 bis 1000 l) for energy efficiency class B or C

5 years warranty

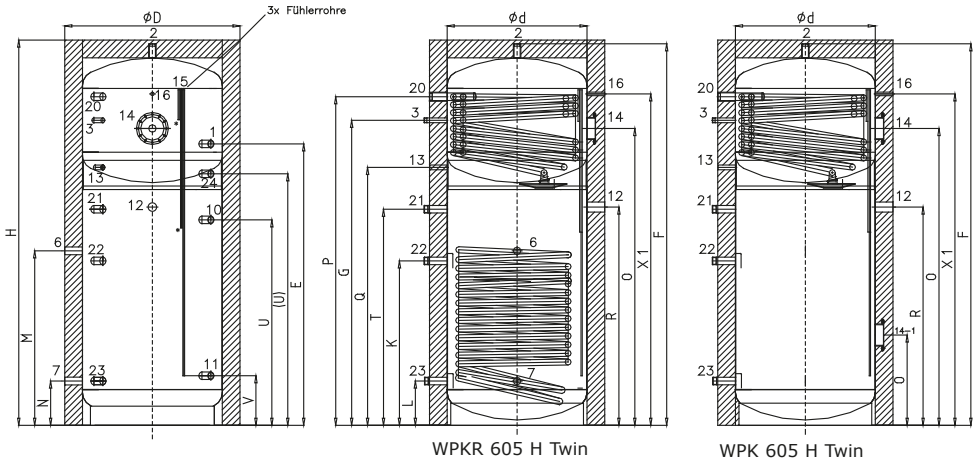
WPKR 605 H Twin

Article			WPK 605 H Twin	WPKR 605 H Twin	WPKR 805 H Twin	WPKR 1005 H Twin
Capacity buffer/DHW (act.) according to DIN EN 12897		Litre	651/277	648/277	796/271	1025/280
Continuous output hot water 45 °C/60 °C, VL 80/60 °C		kW	79/61	79/61	79/61	79/61
		l/h BW	1958/1065	1958/1065	1958/1065	1958/1065
		l/h HZ	3420/2580	3420/2580	3420/2580	3420/2580
		NL	7,0	7,0	7,0	7,0
Continuous output hot water 45 °C, VL 50/43 °C		kW	27	27	27	27
		l/h BW	688	688	688	688
		l/h HZ	3420	3420	3420	3420
		N_L	5,1	5,1	5,1	5,1
Max. working temperature heating/DHW/HE-DHW/HE-solar		°C	95/95/110	95/95/110/160	95/95/110/160	95/95/110/160
Max. working pressure heating/DHW/HE-DHW/HE-solar		bar	3/10/3	3/10/3/10	3/10/3/10	3/10/3/10
Capacity of heat exchanger DHW		Liter	12	12	12	12
Capacity of heat exchanger solar		Liter	-	13	17,5	20
Heating area heat exchanger DHW		m^2	3,2	3,2	3,2	3,2
Heating area heat exchanger solar		m^2	-	1,9	2,5	3
Flow rate of heat exchanger DHW		m^3/h	2,5	2,5	2,5	2,5
Flow rate of heat exchanger solar		m^3/h	-	1,5	1,5	1,5
Pressure loss of heat exchanger DHW		mbar	105	105	105	105
Pressure loss of heat exchanger solar		mbar	-	70	90	95
Insulation		mm	130 [100]	130 [100]	140 [100]	150 [100]
Energy loss		Watt	84 [121]	84 [121]	94 [133]	100 [143]
Energy efficiency class			**B [C]**	**B [C]**	**B [C]**	**B [C]**
Dimensions						
Diameter incl. insulation	D	mm	910 [850]	910[850]	1030 [950]	1090 [990]
Diameter tank	d	mm	650	650	750	790
Height cold water connection	E	mm	1070	1070	1322	1589
Height hot water connection	F	mm	1957	1957	1985	2154
Height circulation hot water	G	mm	1410	1410	1506	1722
Height storage tank	H	mm	1985	1985	2005	2175
Tilting dimension	W	mm	1980	1980	2016	2190
Height aux boiler flow	K	mm	580	580	720	928
Height aux boiler return	L	mm	250	250	250	250
Height solar flow	M	mm	-	770	836	985
Height solar return	N	mm	-	250	250	250
Height flange	O	mm	350/1220	1220	1460	1676
Height heat exchanger connection DHW	P	mm	1568	1568	1689	1855
Height vent	Q	mm	917	917	1187	1456
Height plug for electric heater	R	mm	708	650	980	1250
Height heat source return	T	mm	770	770	1000	1220
Height heating flow	U (U)	mm	700 (880)	700 (880)	880 (1160)	1160 (1420)
Height heating return	V	mm	280	280	280	280
Height sensor socket 1	X1	mm	1500	1500	1660	1871
Weight (without insulation)		kg	235	235	263	307

Screw-in heaters and electric heating flanges on page 33

Ga = external thread, Gi = internal thread
[ ] = Values of Energy efficiency class C

Combi buffer tanks



WPKR 605 H Twin

WPK 605 H Twin

Article			WPK 605 H Twin	WPKR 605 H Twin	WPKR 805 H Twin	WPKR 1005 H Twin
Connections						
Cold water/hot water	1/2	Ga/Gi	1	1	1	1
Circulation	3	Ga	3/4	3/4	3/4	3/4
Solar flow/return	6/7	Gi		1	1	1
Heating flow/return	10/11	Ga	5/4	5/4	5/4	5/4
Plug for electric heater	12	Gi	6/4	6/4	6/4	6/4
Vent	13	Gi	1/2	1/2	1/2	1/2
Inspection flange Ø 180 mm with anode socket	14	Gi	5/4	5/4	5/4	5/4
Inspection flange	14-1	mm	180			
Sensor tubes (*closed at the bottom)	15	mm	14	14	14	14
Thermometer bushing	16	mm	20	20	20	20
Heat source DHW flow/return	20/21	Gi/Ga	5/4	5/4	5/4	5/4
Heat source heating flow/return	22/23	Ga	5/4	5/4	5/4	5/4
Reserve heating	24	Ga	5/4	5/4	5/4	5/4
Part No. storage tank			47460110101	47609400101	47809400101	47100940101
Energy efficiency class B						
Part No. insulation (white)			11988	11989	11990	11991
Energieeffizienzklasse C						
Part No. insulation (white)			10693	10026	10692	10691

WIKORA SolarSpeicherSysteme

Hygienic tank WIKOSOL

WIKOSOL 605-0

Application
Gas, oil, pellets, district heating, wood heating, solar (Wikosol with heat exchanger)

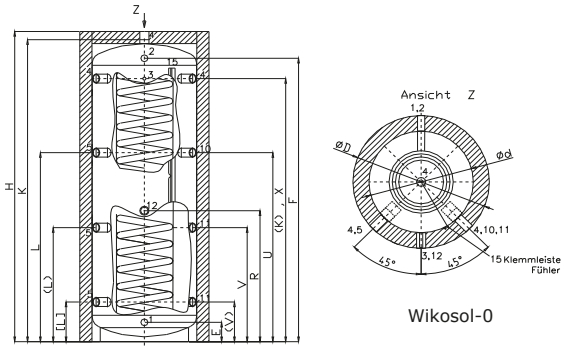
Standard design
- Buffer tank with integrated DHW heat exchanger made of stainless steel, sensor clamp and plug for electric heater
- Available with one, two or with no solar heat exchanger
- Can be optionally upgraded with an electric heating element

Insulation
Neopor/fleece-insulation (600 to 1000 l) for energy efficiency class B or C
Neopor/fleece-insulation (1000 to 2000 l)

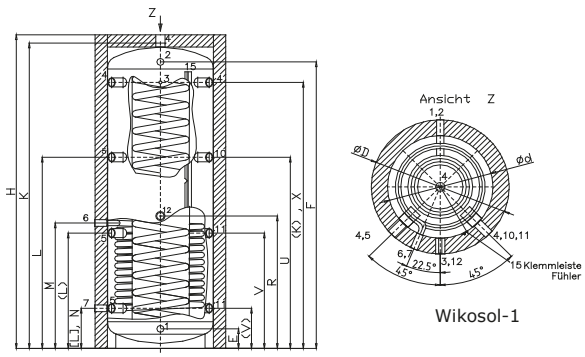
10 years warranty

Article			WIKOSOL 605-0	WIKOSOL 805-0	WIKOSOL 1005-0	WIKOSOL 1505-0	WIKOSOL 2005-0
Capacity (act.) according to DIN EN 12897		Litre	598	830	983	1535	2010
Max. working temperature buffer / DHW-HE		°C	95	95	95	95	95
Max. working pressure DHW-HE / heating water		bar	10/3	10/3	10/3	10/3	10/3
Capacity / Surface DHW-heat exchanger		Litre/ m²	ca. 28/4,0	ca. 32/5,5	ca. 32/5,5	ca. 45/8,0	ca. 45/8,0
Insulation		mm	130 [100]	140 [100]	150 [100]	120	120
Energy loss		Watt	80 [113]	90 [129]	96 [140]	160	181
Energy efficiency class			**B [C]**	**B [C]**	**B [C]**	**-**	**-**
Performance data (buffer tank temperature 65 °C/HV 70 °C/Hot water 45 °C/KW 10 °C)							
DHW flow rate							
Buffer loaded, flow rate 10 l/min		Litre	230	560	595	780 (Flow rate 25 l/min)	860 (Flow rate 25 l/min)
Buffer loaded, flow rate 20 l/min		Litre	210	510	535	520 (Flow rate 40 l/min)	572 (Flow rate 40 l/min)
Buffer partially loaded, flow rate 10 l/min		Litre	170	360	375	345 (Flow rate 25 l/min)	380 (Flow rate 25 l/min)
Buffer partially loaded, flow rate 20 l/min		Litre	130	275	285	438 (Flow rate 20 l/min)	485 (Flow rate 20 l/min)
Continuous output							
Buffer loaded		l/h	1090	1500	1950	2880	3180
Aux boiler output		kW	48	65	80	117	129
Flow rate		m³/h	2,4	3,3	3,8	4,2	4,5
Buffer partially loaded		l/h	720	930	1200	1280	1410
Aux boiler output		kW	32	40	50	52	57
Flow rate		m³/h	1,5	1,7	1,9	1,3	2,5
Key performance indicator NL (according to DIN 4708)			2,2	3,2	4,0	4,5	5,1
Dimensions							
Diameter incl. insulation	D	mm	910 [850]	1070 [990]	1090 [990]	1240	1440
Diameter tank	d	mm	650	790	790	1000	1200
Height cold water connection	E	mm	125	160	160	200	245
Height hot water connection	F	mm	1815	1650	1965	1880	1775
Height storage tank	H	mm	2008	1880	2195	2150	2090
Tilting dimension	W	mm	1960	1845	2150	2130	2100
Height aux boiler flow	K (K)	mm	1933 (1684)	1802 (1520)	2117 (1835)	2074 (1730)	2013 (1625)
Height aux boiler return	L (L)/[L]	mm	1210 (730) /254	1020 (700) /290	1340 (740) /290	1340 (740) /350	1300 (720) /395
Height plug for electric heater	R	mm	838	980	980	1050	1050
Height heating flow	U	mm	1210	1020	1340	1340	1300
Height heating return	V (V)	mm	730 (254)	700 (290)	740 (290)	740 (350)	720 (395)
Connections							
Cold water/hot water	1/2	Gi	5/4	5/4	5/4	5/4	5/4
Thermometer	3		•	•	•	•	•
Connection aux boiler flow/return	4/5	Gi	6/4	6/4	6/4	2	2
Heating circuit flow/return	10/11	Gi	6/4	6/4	6/4	2	2
Plug for electric heater	12	Gi	6/4	6/4	6/4	2	2
Sensor clamp	15		•	•	•	•	•
Weight (without insulation)		kg	126	149	197	223	284
Part No. storage tank			47602900101	47802900101	47100290101	47150290101	47200290101
Energy efficiency class B							
Part No. insulation (white)			11824	11826	11828		
Part No. insulation (silver)			11825	11827	11829		
Energieeffizienzklasse C							
Part No. insulation (white)			11439	11441	11421	11461	11463
Part No. insulation (silver)			11440	11442	11422	11462	11464

Combi buffer tanks



Wikosol-0



Wikosol-1

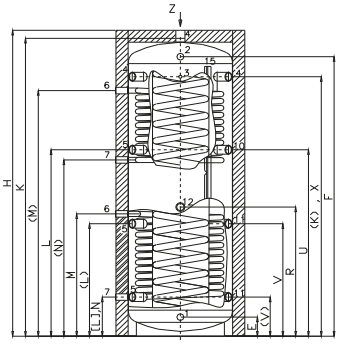
Article			WIKOSOL 605-1	WIKOSOL 805-1	WIKOSOL 1005-1	WIKOSOL 1505-1	WIKOSOL 2005-1
Capacity (act.) according to DIN EN 12897		Litre	595	825	978	1529	2003
Max. working temperature buffer		°C	95	95	95	95	95
Max. working temperature DHW-HE/solar-HE		°C	95/130	95/130	95/130	95/130	95/130
Max. working pressure DHW-HE/solar-HE		bar	10/10	10/10	10/10	10/10	10/10
Max. working pressure heating water		bar	3	3	3	3	3
Capacity / Surface DHW-heat exchanger		Litre/ m²	ca. 28/4,0	ca. 32/5,5	ca. 32/5,5	ca. 45/8,0	ca. 45/8,0
CapacityHeating area solar heat exchanger lower		Litre /m²	13,5/2,0	18,0/2,7	20,0/3,0	25,0/3,7	26,5/4,0
Insulation		mm	130 [100]	140 [100]	150 [100]	120	120
Energy loss		Watt	84 [117]	94 [131]	100 [141]	163	183
Energy efficiency class			**B [C]**	**B [C]**	**B [C]**	**-**	**-**
Performance data (buffer tank temperature 65 °C/HV 70 °C/Hot water 45 °C/KW 10 °C)							
DHW flow rate							
Buffer loaded, flow rate 10 l/min		Litre	230	560	595	780 (Flow rate 25 l/min)	860 (Flow rate 25 l/min)
Buffer loaded, flow rate 20 l/min		Litre	210	510	535	520 (Flow rate 40 l/min)	572 (Flow rate 40 l/min)
Buffer partially loaded, flow rate 10 l/min		Litre	170	360	375	345 (Flow rate 25 l/min)	380 (Flow rate 25 l/min)
Buffer partially loaded, flow rate 20 l/min		Litre	130	275	285	438 (Flow rate 20 l/min)	485 (Flow rate 20 l/min)
Continuous output							
Buffer loaded		l/h	1090	1500	1950	2880	3180
Aux boiler output		kW	48	65	80	117	129
Flow rate		m³/h	2,4	3,3	3,8	4,2	4,5
Buffer partially loaded		l/h	720	930	1200	1280	1410
Aux boiler output		kW	32	40	50	52	57
Flow rate		m³/h	1,5	1,7	1,9	1,3	2,5
Key performance indicator NL (according to DIN 4708)			2,2	3,2	4,0	4,5	5,1
Dimensions Dimensions							
Diameter incl. insulation	D	mm	910 [850]	1070 [990]	1090 [990]	1240	1440
Diameter tank	d	mm	650	790	790	1000	1200
Height cold water connection	E	mm	125	160	160	200	245
Height hot water connection	F	mm	1815	1650	1965	1880	1775
Height storage tank	H	mm	2008	1880	2195	2150	2090
Tilting dimension	W	mm	1960	1845	2150	2130	2100
Height aux boiler flow	K (K)	mm	1933 (1684)	1802 (1520)	2117 (1835)	2074 (1730)	2013 (1625)
Height aux boiler return	L (L)/[L]	mm	1210 (730) /254	1020 (700) /290	1340 (740) /290	1340 (740) /350	1300 (720) /395
Height solar flow	M	mm	794	830	875	935	935
Height solar return	N	mm	254	290	290	350	395
Height plug for electric heater	R	mm	838	980	980	1050	1050
Height heating flow	U	mm	1210	1020	1340	1340	1300
Height heating return	V (V)	mm	730 (254)	700 (290)	740 (290)	740 (350)	720 (395)
Connections							
Cold water/hot water	1/2	Gi	5/4	5/4	5/4	5/4	5/4
Thermometer	3		•	•	•	•	•
Connection aux boiler flow/return	4/5	Gi	6/4	6/4	6/4	2	2
Connection solar flow/return	6/7	Gi	1	1	1	5/4	5/4
Heating circuit flow/return	10/11	Gi	6/4	6/4	6/4	2	2
Plug for electric heater	12	Gi	6/4	6/4	6/4	2	2
Sensor clamp	15		•	•	•	•	•
Weight (without insulation)		kg	152	194	238	284	344
Part No. storage tank			47603900101	47803900101	47100390101	47150390101	47200390101
Energy efficiency class B							
Part No. insulation (white)			11824	11826	11828		
Part No. insulation (silver)			11825	11827	11829		
Energieeffizienzklasse C							
Part No. insulation (white)			11439	11441	11421	11461	11463
Part No. insulation (silver)			11440	11442	11422	11462	11464

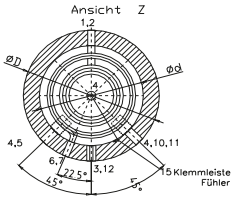
Screw-in heaters and electric heating flanges on page 33

Ga = external thread, Gi = internal thread
[ ] = Values of Energy efficiency class C

Combi buffer tanks

WIKORA SolarSpeicherSysteme





Wikosol-2

WIKOSOL 605-2

Article			WIKOSOL 605-2	WIKOSOL 805-2	WIKOSOL 1005-2	WIKOSOL 1505-2	WIKOSOL 2005-2
Capacity (act.) according to DIN EN 12897		Litre	582	822	975	1525	1998
Max. working temperature buffer		°C	95	95	95	95	95
Max. working temperature DHW-HE/solar-HE		°C	95/130	95/130	95/130	95/130	95/130
Max. working pressure DHW-HE/solar-HE		bar	10/10	10/10	10/10	10/10	10/10
Max. working pressure Heating water		bar	3	3	3	3	3
Capacity / Surface DHW-heat exchanger		Litre/ m²	ca. 28/4,0	ca. 32/5,5	ca. 32/5,5	ca. 45/8,0	ca. 45/8,0
CapacityHeating area solar heat exchanger lower		m²	2,0/1,7	2,7/2,0	3,0/2,0	3,7 / 2,5	4,0 / 2,7
Heating area solar heat exchanger lower/upper		Liter	13,5/11,5	18,0/13,5	14/11	25 / 17	26,5 / 17,6
Insulation		mm	130 [100]	140 [100]	150 [100]	120	120
Energy loss		Watt	88 [121]	98 [138]	104 [143]	166	185
Energy efficiency class			**B [C]**	**B [C]**	**B [C]**	**-**	**-**
Performance data (buffer tank temperature 65 °C/HV 70 °C/Hot water 45 °C/KW 10 °C)							
DHW flow rate							
Buffer loaded, flow rate 10 l/min		Litre	230	560	595	780 (Flow rate 25 l/min)	860 (Flow rate 25 l/min)
Buffer loaded, flow rate 20 l/min		Litre	210	510	535	520 (Flow rate 40 l/min)	572 (Flow rate 40 l/min)
Buffer partially loaded, flow rate 10 l/min		Litre	170	360	375	345 (Flow rate 25 l/min)	380 (Flow rate 25 l/min)
Buffer partially loaded, flow rate 20 l/min		Litre	130	275	285	438 (Flow rate 20 l/min)	485 (Flow rate 20 l/min)
Continuous output							
Buffer loaded		l/h	1090	1500	1950	2880	3180
Aux boiler output		kW	48	65	80	117	129
Flow rate		m³/h	2,4	3,3	3,8	4,2	4,5
Buffer loaded		l/h	720	930	1200	1280	1410
Aux boiler output		kW	32	40	50	52	57
Flow rate		m³/h	1,5	1,7	1,9	1,3	2,5
Key performance indicator NL (according to DIN 4708)			2,2	3,2	4,0	4,5	5,1
Dimensions							
Diameter incl. insulation	D	mm	910 [850]	1070 [990]	1090 [990]	1240	1440
Diameter tank	d	mm	650	790	790	1000	1200
Height cold water connection	E	mm	125	160	160	200	245
Height hot water connection	F	mm	1815	1650	1965	1880	1775
Height storage tank	H	mm	2008	1880	2195	2150	2090
Tilting dimension	W	mm	1960	1845	2150	2130	2100
Height aux boiler flow	K (K)	mm	1933 (1684)	1802 (1520)	2117 (1835)	2074 (1730)	2013 (1625)
Height aux boiler return	L (L)/[L]	mm	1210 (730) /254	1020 (700) /290	1340 (740) /290	1340 (740) /350	1300 (720) /395
Height solar flow	M (M)	mm	794 (1594)	830 (1490)	875 (1780)	935 (1660)	935 (1555)
Height solar return	N (N)	mm	254 (1144)	290 (1085)	290 (1375)	350 (1255)	395 (1195)
Height plug for electric heater	R	mm	838	980	980	1050	1050
Height heating flow	U	mm	1210	1020	1340	1340	1300
Height heating return	V (V)	mm	730 (254)	700 (290)	740 (290)	740 (350)	720 (395)
Connections							
Cold water/hot water	1/2	Gi	5/4	5/4	5/4	5/4	5/4
Thermometer	3		•	•	•	•	•
Connection aux boiler flow/return	4/5	Gi	6/4	6/4	6/4	2	2
Connection solar flow/return	6/7	Gi	1	1	1	5/4	5/4
Heating circuit flow/return	10/11	Gi	6/4	6/4	6/4	2	2
Plug for electric heater	12	Gi	6/4	6/4	6/4	2	2
Sensor clamp	15		•	•	•	•	•
Weight (without insulation)		kg	175	221	273	320	385
Part No. storage tank			47604900101	47804900101	47100490101	47150490101	47200490101
Energy efficiency class B							
Part No. insulation (white)			11824	11826	11828		
Part No. insulation (silver)			11825	11827	11829		
Energieeffizienzklasse C							
Part No. insulation (white)			11439	11441	11421	11461	11463
Part No. insulation (silver)			11440	11442	11422	11462	11464

Screw-in heaters and electric heating flanges on page 33

Ga = external thread, Gi = internal thread
[ ] = Values of Energy efficiency class C

WIKORA SolarSpeicherSysteme

Screw-in heaters and electric heating flanges

Application
Back-up heater for hot water storage tanks

Standard design
- Suited for continuous operation
- Compatible with EN60355-1

Part No.	Description	Suitable for					
		WBL	WBO Uno/Duo/H/WPSOL	WPS	WPH	WPR/WPRR/ WPK/WPKR	WIKOSOL
400499	Bausatz E-Heizstab 2/4/6 kW	150 - 200	-	-	-	-	-
401397	E-Heizstab 2/4/6 kW	-	405 - 506	405 - 506	405 - 1005	605 -1005	605 - 2005
401151	E-Heizstab 2 kW	-	120 - 506	155 - 506	155 - 1005	605 -1005	605 - 2005
401149	E-Heizstab 3 kW	-	120 - 506	155 - 506	155 - 1005	605 -1005	605 - 2005
403011	E-Heizstab 7,5 kW	-	from 805	from 805	from 1505	from 1505	-
400489	Elektro-Flanschheizeinsatz 2/4/6 kW	-	155 - 506	155 - 506	-	-	-
400488	Elektro-Flanschheizeinsatz 9/18 kW	-	from 805	from 805	-	-	-

Accessories	Part No.
Kit electric back-up heater 2/4/6 kW, 230 V / 400 V	400499
Screw-in heater 2/4/6 kW, 230/400 V, G 1 ½" x 600 ET with controller and limiter	401397
Screw-in heate 2 kW, 230 V, G 1 ½" x 300 ET with controller and limiter	401151
Screw-in heater 3 kW, 230 V, G 1 ½" x 400 ET with controller and limiter	401149
Screw-in heater 7,5 kW, 400 V, G 2" x 700 ET with controller and limiter	403011
Electric heating flange 2/4/6 kW, 230/400 V for flange d=180	400489
Electric heating flange 9/18 kW, 400 V for flange d=280	400488
Seal and rosettes for electric heating flange	09588

Chilled water buffer tanks

WIKORA SolarSpeicherSysteme

Chilled water buffer tank WKS complete

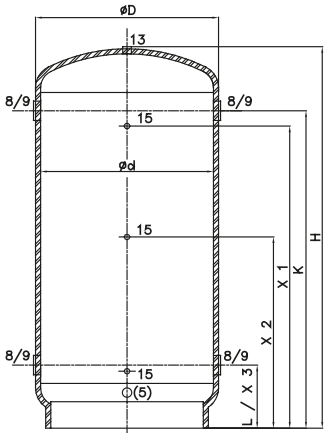
Application
Heating and cooling

Standard design
- Internal bare, exterior primer-painted for thermal insulation
- 4 connections, sensor socket, drain and vent
- Optional: flange kit up to DIN 80

Insulation
25 mm thermal insulation bonded incl. PS-jacket with rosettes and cap

5 years warrenty

WKS 505

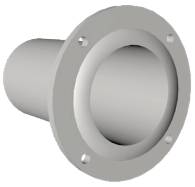


Article			WKS 155	WKS 205	WKS 305	WKS 405	WKS 505	WKS 805	WKS 1005	WKS 1505	WKS 2005	WKS 3005
Capacity (act.) acc. to DIN EN 12897		Litre	153	201	300	431	500	830	983	1535	2010	3035
Max. working temperature		°C	50	50	50	50	50	50	50	50	50	50
Min. working temperature		°C	2	2	2	2	2	2	2	2	2	2
Max. working pressure		bar	10	10	10	10	10	10	10	6	6	6
Max. rel. humidity		%	70	70	70	70	70	70	70	70	70	70
Max. env. temperature		°C	24	24	24	24	24	24	24	24	24	24
Dimensions												
Diameter incl. insulation	D	mm	552	552	552	652	652	842	842	1052	1252	1302
Height storage tank	H	mm	884	1128	1641	1635	1895	1802	2117	2074	2013	2603
Tilting dimension	W	mm	915	1120	1665	1660	1900	1845	2150	2130	2100	2680
Height flow	K	mm	656	900	1413	1395	1655	1520	1835	1730	1625	2220
Height return	L	mm	233	233	233	265	265	290	290	350	395	390
Height sensor socket 1	X1	mm	618	862	1372	1370	1640	1490	1805	1680	1575	2170
Height sensor socket 2	X2	mm	467	564	819	985	970	903	1061	1040	1010	1305
Height sensor socket 3	X3	mm	265	265	265	300	300	316	316	400	445	440
Connections												
Drain	(5)	Gi	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼
Load flow	8	Gi	1 ½	1 ½	2	2 ½	2 ½	3	3	3	3	3
Load return	9	Gi	1 ½	1 ½	2	2 ½	2 ½	3	3	3	3	3
Vent	13	Gi	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼
Sensor socket	15	Gi	½	½	½	½	½	½	½	½	½	½
Weight (empty)		kg	100	105	110	130	160	213	241	280	366	438
Part No. (silver)			48155100182	48202100182	48302100182	48402100182	48502100182	48802100182	48100210182	48150210182	48200210182	48300210182

Flange kit

Consisting of one screwed flange and one double nipple for one socket (load return/flow)

Accessories	Part No.
Flange kit 1 ½" x DN 40 PN 16	400650
Flange kit 2" x DN 50 PN 16	400651
Flange kit 2 ½" x DN 65 PN 16	400652
Flange kit 3" x DN 80 PN 16	400653
Flange kit 4" x DN 100 PN 16	400654
Flange kit 5" x DN 125 PN 16	400655



Flange kit

Ga = external thread, Gi = internal thread

WIKORA SolarSpeicherSysteme

Chilled water buffer tank WKS without thermal insulation

Application
Heating and cooling

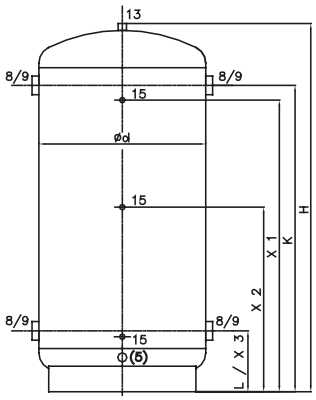
Standard design
4 connections, sensor socket, drain and vent

Optional
- Additional sockets, flange kit, inspection access hatches, additional fixtures such as feed pipes, nozzle pipes and stocking plates
- 25 mm thermal insulation (kit)
- PS-jacket in silver with rosettes and cap

Manufactured in compliance with AD 2000 regulations and company standards, manufacturer's certificate for construction and pressure testing.

5 years warranty

WKS 505



Article			WKS 155	WKS 205	WKS 305	WKS 405	WKS 505	WKS 805	WKS 1005	WKS 1505	WKS 2005	WKS 3005
Capacity (act.) acc. to DIN EN 12897		Litre	153	201	300	431	500	830	983	1535	2010	3035
Max. working temperature		°C	50	50	50	50	50	50	50	50	50	50
Min. working temperature		°C	2	2	2	2	2	2	2	2	2	2
Max. working pressure		bar	10	10	10	10	10	10	10	6	6	6
Max. rel. humidity		%	70	70	70	70	70	70	70	70	70	70
Max. env. temperature		°C	24	24	24	24	24	24	24	24	24	24
Dimensions												
Diameter incl. insulation	d	mm	500	500	500	600	600	790	790	1000	1200	1250
Height storage tank	H	mm	884	1128	1641	1635	1895	1802	2117	2074	2013	2603
Tilting dimension	W	mm	915	1120	1665	1660	1900	1845	2150	2130	2100	2680
Height flow	K	mm	656	900	1413	1395	1655	1520	1835	1730	1625	2220
Height return	L	mm	233	233	233	265	265	290	290	350	395	390
Height sensor socket 1	X1	mm	618	862	1372	1370	1640	1490	1805	1680	1575	2170
Height sensor socket 2	X2	mm	467	564	819	985	970	903	1061	1040	1010	1305
Height sensor socket 3	X3	mm	265	265	265	300	300	316	316	400	445	440
Connections												
Drain	(5)	Gi	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼
Load flow	8	Gi	1 ½	1 ½	2	2 ½	2 ½	3	3	3	3	3
Load return	9	Gi	1 ½	1 ½	2	2 ½	2 ½	3	3	3	3	3
Vent	13	Gi	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼
Sensor socket	15	Gi	½	½	½	½	½	½	½	½	½	½
Weight (empty)		kg	95	100	103	122	151	206	234	273	359	431
Part No. (silver)			48154100101	48201100101	48301100101	48401100101	48501100101	48801100101	48100110101	48150110101	48200110101	48300110101

Components individual storage tanks

Storage tank

incl. vent, without connections

Dimensions			
Volume	Diameter [mm]	Height [mm]	Tilting dimen-sion [mm]
150	500	955	1020
200	500	1225	1260
300	500	1641	1660
400	600	1565	1610
500	600	1895	1930
600	650	1945	1980
800	790	1845	1890
1000	790	2155	2210
1000	850	1875	1930
1500	1000	2105	2190
2000	1100	2365	2495
2000	1200	2045	2150
3000	1250	2655	2740

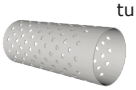
[1] only in connection with storage tanks, internal bare; 2) 6 bar storage tank

Sockets, nipples, loading tubes, nozzle pipes

socket

nipple

loading tube

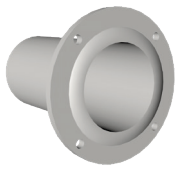


nozzle pipe

Dimensions	
Inch	Nominal width
½"	DN 15
¾"	DN 20
1"	DN 25
1 ¼"	DN 32
1 ½"	DN 40
2"	DN 50
2 ½ "	DN 65
3"	DN 80
4"	DN 100
5"	DN 125
	DN 150
	DN 200
	DN 250
	DN 300

Flange connectors PN 6 / PN 10 / PN 16

without blind flange, seal and screws according to DIN 2631 / EN 1092-1



Nominal width
DN 10
DN 15
DN 20
DN 25
DN 32
DN 40
DN 50
DN 65

Nominal width
DN 80
DN 100
DN 125
DN 150
DN 200
DN 250
DN 300

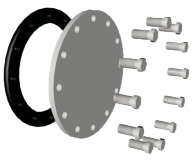
Flange

without blind flange, seal and screws

Flange
[180 NW 116
[280 NW 205

Blind flange set for flange

blind flange, seal and screws



Blind flange set
[180 NW 116
[280 NW 205

Individual storage tanks

WIKORA SolarSpeicherSysteme

Straight-tube heat exchanger

made of steel

single

Heating surface
1 m²
2 m²
3 m²
4 m²
5 m²
6 m²
7 m²
8 m²
9 m²

double

Heating surface
3 m²
4 m²
5 m²
6 m²
7 m²
8 m²
9 m²

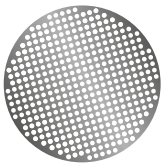
DHW heat exchanger

made of stainless steel, spirally corrugated tube

Heating surface
4,0 m²
5,5 m²
8,0 m²
9,2 m²

Perforated plate

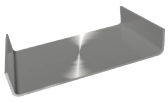
made of steel, bare



Storage tank
500 mm
600 mm
650 mm
790 mm
850 mm
1000 mm
1100 mm
1200 mm
1250 mm

Baffle plate, stocking plate

made of steel, bare



U-Form

Baffle plate
Straight 80 x 80 x 2mm
L-Shape 160 x 100 x 80 x 2 mm
U-Shape 100 x 100 x 80 x 2 mm

Stocking plate
1 m

Lifting brackets

Lifting brackets	Volume
Medium (2 pieces)	up to 500 l
Medium (4 pieces)	800 l – 1000 l
Large (2 pieces)	from 1500 l

Sensor gauge

Sensor gauge	Volume
Sensor socket ½ "	up to 3000 l
Sensor tubes (2 pieces)	up to 500 l
Sensor clamp	from 800 l

Anodes

Anodes	Volume
Mg-anode G 3/4" x 21 x 685 mm	up to 200 l
Mg-anode G 5/4" x 33 x 900 mm	300 – 500 l
Correx-anode G 5/4" x 1 x 800 mm with potentiostat and cable	800 – 1000 l
Double Correx anode G 5/4" x 1 x 400 mm with potentiostat and cable	from 1000 l

Sonstiges Zubehör

Thermometer with immersion sleeve ½ "
Thermometer bolt without thermometer
Thermometer bolt with thermometer

Other components and individual storage tank solutions on demand.
All prices are in € per piece

Form individual storage tanks

WIKORA SolarSpeicherSysteme

Please complete entirely and return to fax number +49-7322-9605-30. Thank you.

Customer

Street

Postal Code, City

Contact Phone Fax

Application

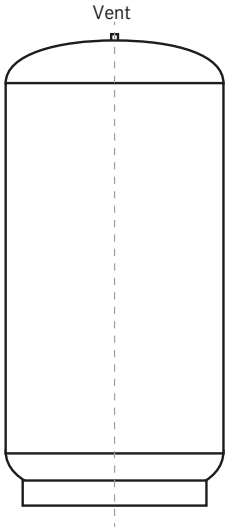
Volume _____ l

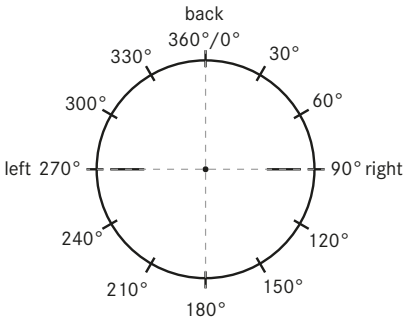
Working pressure _____ bar _____ Working temperature _____ °C

Storage tank internal ☐ bare ☐ enamelled

Chilled water buffer tank ☐ primer painted ☐ 25 mm thermal insulation ☐ PS-jacket

Insulation ☐ 100 mm fleece Colour RAL _____





Connection legend for connections, further fixtures and accesries

Pos.	Description	Dimension Ga/Gi1)/DN	Design	Qty	Height2) [mm]	Pos. [°]	Gross price 01/2019[€]
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
Gross price individual storage tank							

Other

1) Ga = male thread, Gi = female thread

2) measured from the bottom

Date _____ Signature _____

WIKORA SolarSpeicherSysteme

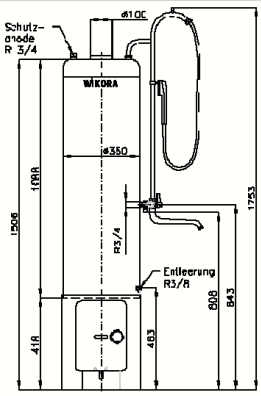
Coal lower furnace

Standard for unpressurised and pressure-resistant bath heaters H 400 mm, D 355 mm

Part No.	Description		
000021	Coal underfloor standard		

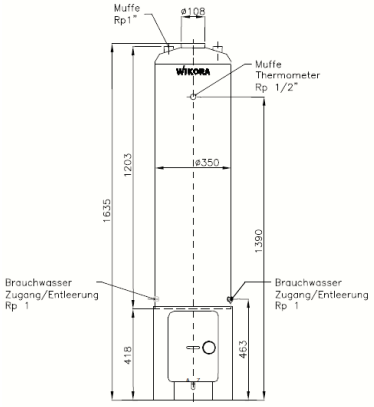
Fuel hot water tank

Enamelled steel cylinder, pressureless with protective anode, color white
Mixer see spare parts price list

Part No.	Description		
214752	Coke oven EB 2000 complete **with lower furnace and mixer tap**		 
004752	Steel cylinder EB 2000 with mixer tap **without lower furnace**		
000047	Steel cylinder EB 2000 empty **without mixer tap without lower furnace**		

Pressure water heater

Enamelled steel cylinder, pressure-resistant with protective anode, color white

Part No.	Description		
063100	Pressure-resistant boiler, painted white, approx. 100l without mixer tap **without lower furnace**		 

Terrace ovens and fire bowls

WIKORA SolarSpeicherSysteme

- Terrace stoves and fire bowls with an extraordinary design
- All articles are unique and are created in manufactory work
- You not only buy an item with extraordinary design, but also a real one-off item

Terrace stoves of metal

Part No.	Description		
405000	Terrace oven "Firedream" Diameter approx. 50 cm, height approx. 160 cm, raw		

Metal fire bowls

Part No.	Description		
405001	Fire bowl "ground" Diameter about 55 cm, height about 40 cm raw		
405002	Fire bowl "ground" Diameter about 79 cm, height about 45 cm raw		
405005	Fire bowl "pillar" Diameter about 60 cm, height about 75 cm raw		
405007	Fire bowl "4 Stands" Diameter about 60 cm, height about 75 cm raw		
405009	Fire bowl "spiral" Diameter about 60 cm, height about 75 cm raw		

WIKORA SolarSpeicherSysteme

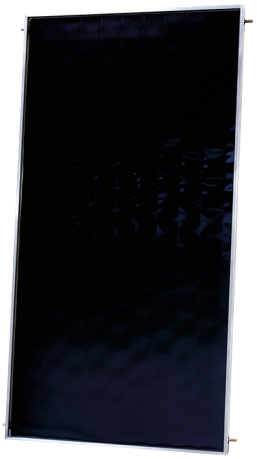
Solar thermal

Flat plate collector WIKOSUN 2510

The Wikora flat plate collectors feature a powerful and efficient absorber with a highly selective surface, four 18 mm Cu tube connections, as well as all-round mounting rails, enabling fast and easy installation.

- Suitable for roof mounting, as well as flat roof and roof-integrated mounting
- Inclination of 25 - 60°
- Flexible positioning (vertical and horizontal)
- Serial connection of up to 6 collectors
- High operational reliability

10 years performance warranty



WIKOSUN 2510

Article	WIKOSUN 2510
Collector gross surface	2,47 m²
Absorber surface	2,32 m²
Aperture surface	2,32 m²
Length x width x depth	2170 x 1140 x 75 mm
Weight	40,0 kg
Cover	3,2 mm safety glass, super transparent, hailstone safe
Connections	4 Cu-tubes 18 mm
Absorber material	Copper on aluminum plate
Absorber coating	Highly selective
Insulation	40 mm mineral wool
Efficiency	η0 = 76,1 %
Peak power	1750 Watt/collektor
Capacity antifreeze	1,33 l
Max. working pressure	10 bar
Stagnation temperature DIN 4753-3	197 °C

Article	Part No.
WIKOSUN 2510, silver	01 1090 0 0101
WIKOSUN 2510, black	01 1094 0 0101

SOLAR-KEYMARK

Tested according to EN 12975-2

Mounting accessories for WIKOSUN 2510

On roof mounting, vertical / horizontal, roof angles from 25 - 60°

Fastening sets		Part No.
	**Fastening set tile ST-BFS-Z** 2 roof hooks tile, 6 wood screws 8x80, 6 washers	01 2221 6 0102
	**Fastening set adjustable tile ST-BFS-ZV** 2 roof hooks adjustable tile, 6 wood screws 8x80, 6 washers	01 2222 4 0102
	**Fastening set plain tile ST-BFS-B** 2 roof hooks plain tile, 6 wood screws 8x80, 6 washers	01 2221 7 0102
	**Fastening set slate ST-BFS-S** 2 roof hooks slate, 6 wood screws 8x80, 6 washers	01 2221 8 0102
	**Fastening set rolled steel joist ST-BFS-BL** 2 clamps for rolled steel joist, 2 screws M8, 2 nuts M8	01 2221 9 0102
	**Fastening set stair bolts ST-BFS-ST** 2 stair bolts M10, 2 ears, 6 nuts, 2 seals	01 2222 3 0102
	**Fastening set profiled sheeting ST-BFS-T** 2 roof hooks profiled sheeting	01 2222 2 0102
	**Fastening set corrugated sheet iron roofs ST-BFS-W** 2 roof hooks corrugated sheet iron roofs	01 2222 0 0102
	Universal connecting set ST-ADM-AS 30 up to 30° used in connection with ST-BFS-Z/ZV/B/S BL/T/W	01 2255 0 0101

Solar packages see page 52

Flat roof mounting, vertical, roof angles from 30 - 60°

Fastening sets		Part No.
or	**Basic kit ST-BFS-FVG** pre-mounted, consisting of carriers and accessories for 1 or 2 flat plate collectors WIKOSUN 2010 / 2510, HP 70, suitable for profile rails, vertical (not included in delivery).	01 2222 1 0102
	Extension kit ST-BFS-FVE pre-mounted, consisting of carriers and accessories, for 1 flat plate collector WIKOSUN 2010 / 2510, HP 70, suitable for profile rails, vertical (not included in delivery).	01 2223 1 0102

Solar packages see page 53

Flat roof mounting, horizontal, roof angles from 30 - 60°

Fastening sets		Part No.
	Basic kit ST-BFS-FHG pre-mounted, consisting of carriers and accessories for 1 flat plate collector WIKOSUN 2010 / 2510, suitable for profile rails, horizontal (not included in delivery).	01 2221 5 0102
	Extension kit ST-BFS-FHE pre-mounted, consisting of carriers and accessories for 1 flat plate collector WIKOSUN 2010 / 2510, suitable for profile rails, horizontal (not included in delivery).	01 2222 5 0102

Solar packages see page 53

Mounting accessories WIKOSUN 2510

Single components

Profile rail sets / connectors		Part No.
	**Profile rail set ST-PSS-1V, alu** 2 profile rails 35 x 35 x1220 mm, with fastening accessories, pre-mounted	01 2121 2 0102
	Profile rail set ST-PSS-2V, alu 2 profile rails 35 x 35 x 2420 mm, with fastening accessories, pre-mounted	01 2121 3 0102
	Profile rail set ST-PSS-3V, alu 2 profile rails 35 x 35 x 3630 mm, with fastening accessories, pre-mounted	01 2121 4 0102
	Profile rail set ST-PSS-1H, alu 2 profile rails 35 x 35 x 1820 mm, with fastening accessories, pre-mounted	01 2121 1 0102
	Profile rail set ST-PSS-1.1H, alu 2 profile rails 35 x 35 x 2240 mm, with fastening accessories, pre-mounted	01 2121 5 0102
	**Profile rail set ST-PSS-1V, black** 2 profile rails 35 x 35 x1220 mm, with fastening accessories, pre-mounted	01 2121 2 1102
	Profile rail set ST-PSS-2V, black 2 profile rails 35 x 35 x 2420 mm, with fastening accessories, pre-mounted	01 2121 3 1102
	Profile rail set ST-PSS-3V, black 2 profile rails 35 x 35 x 3630 mm, with fastening accessories, pre-mounted	01 2121 4 1102
	Profile rail set ST-PSS-1H, black 2 profile rails 35 x 35 x 1820 mm, with fastening accessories, pre-mounted	01 2121 1 1102
	Profile rail set ST-PSS-1.1H, black 2 profile rails 35 x 35 x 2240 mm, with fastening accessories, pre-mounted	01 2121 5 1102
	Connector profile rail set ST-PSS-V 2 Alu angles 180 mm with screws	01 2221 1 0102

Solar packages see page 52-53

Connection accessories

Connectors		Part No.
	**Connection accessories vertical ST-AZV-1FK** 1 cross piece 18 mm x Gi1/2" x Gi1/2" xGa ¾", 1 air vent ½", 1 sensor pocket ½", 2 end caps 18mm, 2 copper gaskets ½", angle 90° 18 mm x Ga3/4"	01 2321 2 0102
	**Connection accessories horizontal ST-AZH-1FK** 1 cross piece 18 mm x Gi1/2" x Gi ½" x 18 mm, 1 air vent ½", 1 sensor pocket ½", 2 end caps 18 mm, 2 copper gaskets ½", 1 angle 90° 18 mm x 18 mm, 2 connecting nipples 18 mm x Ga3/4"	01 2321 1 0102
	**Connection accessories vertical ST-VZV-1FK** 2 DG-fittings 18 mm x 18 mm	01 2421 2 0102
	**Connection accessories horizontal ST-VZH-1FK** 2 T-Pieces 18 mm x 18 mm x 18 mm, 2 end caps 18mm	01 2421 1 0102
	**Flexible tube kit ST-DDF-1** 2 flexible stainless steel tubes 1000 mm with 3/4"AGx3/4"cap nut, UV and high temperature resistant insulation	01 2324 1 0101
	**Clamp ring compensator 18 x 18** Stainless steel compensator with compression fitting 18 mm	11067
	**Compression elbow 18 x 18 mm 90°**	11045
	**Compression cap 18 mm**	11046
	**Compression T-piece 18 mm**	11049

Solar packages see page 52-53

WIKORA SolarSpeicherSysteme

Vacuum tube collector WIKOSUN HP 2340 / 1240

- Heatpipe for on roof and flat roof mounting
- Increased hail resistance class 3 (Swiss hailstorm)
- Inclination of 5-90°
- Serial connection of 15 to 90 tubes
- High revenues even in low sunlight
- High operational safety
- Long life - no glass-to-metal connection
- Full glass construction of the vacuum tube
- Indirect flow through vacuum tube collector (heat pipe principle)
- All-round 3-layer absorber coating
- 2-shell insulation system of the collector pipe
- Indicator layer for functional control
- Easy installation thanks to proven Quick-Snap system

WIKOSUN HP 2340

New balcony module WIKOSUN HP 1240

Designation	WIKOSUN HP 2340	WIKOSUN HP1240
Number of tubes	15	15
Collector gross surface	2.34 m2	1,24 m²
Absorber surface	3,59 m²	1,43 m²
Length x width x depth	1964 x 1190 x 133 mm	987 x1190 x 133 mm
Weight	48,0 kg	48,0 kg
Connections	Cu-pipe socket Ø 22 mm	Cu-pipe socket Ø 22 mm
Efficiency	η0 = 74,55 %	η0 = %
Capacity antifreeze	1,15 l	0,84 l
Max. working / testing pressure	10 bar	10 bar
Stagnation temperature	227 °C	227 °C

WIKOSUN HP 1240

Article	Part No.
Set of vacuum tubes HP 2340 (standard)	03106100101
Set of vacuum tubes HP 2340 (basic)	03106300101
Module HP 2340 without tubes	03105100101
Set of vacuum tubes HP 1240 (standard)	03106200101
Module HP 1240 without tubes	03105200101

WIKORA SolarSpeicherSysteme

Mounting accessories for WIKOSUN vacuum tube collectors

On roof mounting, vertical

Fastening sets		Part No.
	**Fastening set tile ST-BFS-Z** 2 roof hooks tile, 6 wood screws 8x80, 6 washers	01 2221 6 0102
	**Fastening set adjustable tile ST-BFS-ZV** 2 roof hooks adjustable tile, 6 wood screws 8x80, 6 washers	01 2222 4 0102
	**Fastening set plain tile ST-BFS-B** 2 roof hooks plain tile, 6 wood screws 8x80, 6 washers	01 2221 7 0102
	**Fastening set slate ST-BFS-S** 2 roof hooks slate, 6 wood screws 8x80, 6 washers	01 2221 8 0102
	**Fastening set rolled steel joist ST-BFS-BL*** 2 clamps for rolled steel joist, 2 screws M8, 2 nuts M8	01 2221 9 0102
	**Fastening set stair bolts ST-BFS-ST*** 2 stair bolts M10, 2 ears, 6 nuts, 2 seals	01 2222 3 0102
	**Fastening set profiled sheeting ST-BFS-T*** 2 roof hooks profiled sheeting	01 2222 2 0102
	**Fastening set corrugated sheet iron roofs ST-BFS-W*** 2 roof hooks corrugated sheet iron roofs	01 2222 0 0102
	**Screw set ST-BFS-BL/ST/T/W** 2 screws, 2 nuts, 2 washers, 2 tubular stiffeners	11215

* Screw set ST-BFS-BL/ST/T/W required

Solar packages see page 54

Connection accessories

Connection accessories		Part No.
	**ST-AVS-1.1 DFE consisting of** 1 compression cross piece 22 x R3/4 x Rp1/2, 1 vent valve R 1/2, 1 compression elbow 22 x R3/4, 1 Plug R 1/2, 2 copper seals	01 2323 5 0101

Solar packages see page 54-55

Connection accessories

Connection accessories		Part No.
	**Compression elbow 22 x 22 mm 90°**	05597
	**Compression cap 22 mm**	05598
	**Compression T-piece 22 mm**	05601
	**ST-AVS-1.1 S** consisting of 1 x compression fitting 22 x 22	05599

Solar packages see page 54-55

WIKORA SolarSpeicherSysteme

Mounting accessories for WIKOSUN vacuum tube collectors

Flat roof mounting, vertical

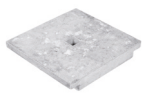
Profile rails and connectors		Part No.
	ST-ADM-1.3P 2 profile rails (35 x 35 x 700 mm)	01211700102
	ST-ADM-3.3P 2 profile rails (35 x 35 x 700 mm)	01213700102
	ST-ADM-V Universal connecting set for 2 mounting sets	01214100101

Fastening sets		Part No.
or	**Basic kit ST-BFS-FVG** pre-mounted, consisting of carriers and accessories for 1 or 2 flat plate collectors WIKOSUN 2010 / 2510, HP 70, suitable for profile rails, vertical (not included in delivery).	01 2222 1 0102
	Extension kit ST-BFS-FVE pre-mounted, consisting of carriers and accessories, for 1 flat plate collector WIKOSUN 2010 / 2510, HP 70, suitable for profile rails, vertical (not included in delivery).	01 2223 1 0102

Solar packages see page 54

Flat roof mouting, horizontal

Profile rails and connectors		Part No.
	ST-ADM-1.3P 2 profile rails (35 x 35 x 700 mm)	01211700102
	ST-ADM-2.3P 2 profile rails (35 x 35 x 1300 mm)	01212700102
	ST-ADM-3.3P 2 profile rails (35 x 35 x 700 mm)	01213700102
	ST-ADM-2-BW Profile angle set for connection of profile rails	01211320103
	ST-ADM-V Universal connecting set for 2 mounting sets	01214100101

Fastening sets		Part No.
	**ST-ADM-2-BW** Profile angle set for connection of profile rails	01 2113 2 0103
	ST-ADM-2BM Fastening set for 1 HP to profile rails	01 2113 6 0103
	**ST-FDM-1-BG300** Set basic plate Alu	01 2123 1 0103
	ST-FDM-1-BG470 Set basic plate Alu	01 2133 1 0103
	**ST-BSM-40 Mat for preservation of structures** (400 x 400 x 6 mm)	01 2113 4 0103
	**ST-GWE-20 Weight element** 400 x 400 x 60 mm (20 kg) for ST-FDM-1BG300/470	01 2113 3 0103

Solar packages see page 55

WIKORA SolarSpeicherSysteme

Solar system tank WIKOSUN Liquid Safe

Stagnation was yesterday - LiSa makes the difference!

WIKORA SolarSpeicherSysteme

Solar system tank WIKOSUN Liquid Safe (LiSa)

The drain-back system ensures the efficiency of the solar installation. The system permanently prevents problems due to stagnation (air in the solar circuit).

Application
Compact system for self-draining solar systems, for combination with all new and existing WIKORA water and heating solar thermal systems

Patented novelty

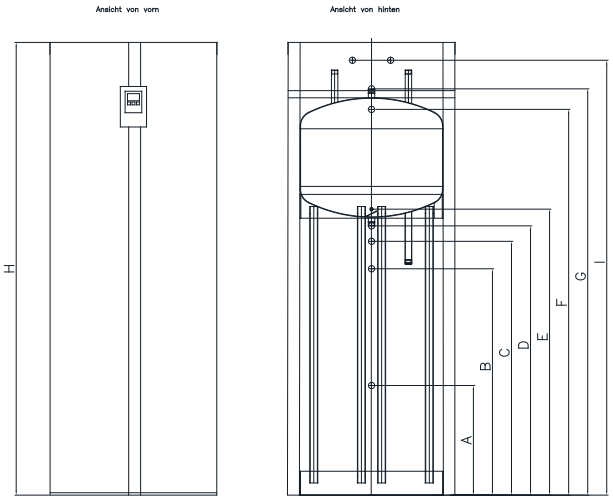
Standard design
- WIKOSUN LiSa 55-12
- WIKOSUN LiSa 121-12

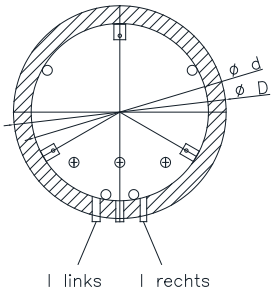
*Depending on content and pressure loss of piping, collectors and heat exchangers

Insulation
Removable EPS / fleece insulation with PS jacket, in white color (RAL 9016)

5 year warranty (excluding electrical components)

Article			WIKOSUN LiSa 55-12	WIKOSUN LiSa 121-12
Active drain volume		Litre	55	121
Volume antifreeze WIK-PE 20		Litre	40	80
Max. working temperature		°C	95	95
Max. working pressure		bar	6	6
Insulation (Neopor/fleece)		mm	60	60
Dimensions				
Diameter incl. insulation	ØD	mm	520	720
Diameter tank	ød	mm	400	600
Height return flat sealing from the store	A	mm	460	460
Height flow flat sealing from the store	C	mm	1065	1065
Carrying out safety valve	B	mm	950	950
Height storage tank	H	mm	1900	1900
Tilting dimension	W	mm	1970	2026
Connections				
Connection to the 2nd LiSa (below)	D	mm	1130	1130
Connection to the 2nd LiSa (above)	G	mm	1705	1705
Access wall mounting weld nut M10	E	mm	1200	1200
Grommet	F	mm	1585	1585
Solar flow (hot)	I left	mm	1825	1825
Solar return (cold)	I right	mm	1825	1825
Weight (without glycol)		kg	61	80
Collector area*				
Max. Collector area at installation height 8m		m²	30	30
Max. Collector surface at installation height 12m		m²	14	14
Max. Collector surface at installation height 14m		m²	40	40
Max. Collector surface at installation height 20m		m²	20	20
Part No. (white)			41044630191	41044650191

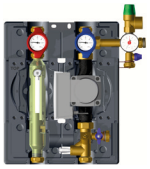
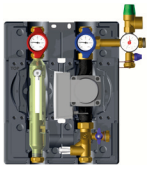




WIKOSUN LiSa 121-12

Solar accessories

Solar controllers		Part No.
Temperature difference controller to control HE pumps for simple to medium solar thermal systems for DHW and heating support. The controllers have a full-graphics display, an innovative operating concept, a time-saving connection panel and a commissioning wizard.		
	**WIK-DR 1 PWM** for 1 collector array and 1 storage tank, with vacuum tube collector function, output control without sensor	01 7820 0 0101
	**WIK-DR 3 PWM** for up to 2 collector arrays and 3 storage tanks, with vacuum tube collector function, output control, thermostat function, 20 embedded schemes without sensor	01 7840 0 0101
	**WIK-DR 6 PWM** for up to 2 collector arrays and 4 storage tanks, control of 2 HE pumps, freely programmable outputs, with vacuum tube collector function, output control, thermostat function, 30 embedded schemes without sensor	01 7850 0 0101
	**WIK-PT 1000 – Sensor** for all WIK-DR controllers, 6 x 25 mm sheath of stainless steel, 2.0 m silicon cable	01 7900 0 0101

Solar pump group with high performance pump in thermal box		Part No.
Twin circuit pump group DN 25 consisting of high performance pump, flow meter 16 or 36 l/min, safety valve 6 bar, max working pressure according to DIN 4757, manometer 10 bar, 2 thermometers, 2 block valves, 2 non-return valves, 2 connections for filling and draining, block insulation, wall brackets, fixing bolts and compression fittings [22 mm. With MAG connection kit and de aerator.		
	**WIK-PG 25/16 HE** with flow meter up to 16 l/min.	01 5200 7 0101
	**WIK-PG 25/36 HE** with flow meter up to 36 l/min.	01 5200 8 0101

Accessories		Part No.
suitable for WIK-PG HE		
	**Connecting nipple 22 x R 3/4 FD**	11163
	**Connecting nipple 22 x R 1 FD**	11164

WIKORA SolarSpeicherSysteme

Solar accessories

Expansion vessel		Part No.
Membrane pressure expansion vessel for solar thermal systems, max. working temperatures 0 - 110 °C		
	**WIK-AG 18**	01 5318 0 0101
	WIK-AG 25	01 5325 0 0101
	WIK-AG 40	01 5340 0 0101
	WIK-AG 50	01 5350 0 0101
	WIK-AG 80	01 5380 0 0101
	WIK-AG 100	01 5310 0 0101
	WIK-AG 200	01 5320 0 0101

Solar liquid		Part No.
For corrosion and freeze protection in the solar cirucit, with high thermal transfer, environmentally friendly, biodegradable according to DIN 4757. Ready for use, immiscible, for temperatures of -23°C up to 230°C.		
	WIK-PE 10 Solar liquid ready for use, 10 kg	01 5410 0 0101
	WIK-PE 20 Solar liquid ready for use, 20 kg	01 5420 0 0101

Antifreeze tester		Part No.
Shaft for propylenglykol to test the antifreeze safety of solar liquids, measuring range of -5° to – 40°		
	**WIK-FSP**	01 5800 0 0101

Energy productivity measurement kit		Part No.
Suitable for WIK-DR3 PWM, with flow rate sensor 2-40 l/min. and accessories		
	**WIK-VFS**	01 7810 0 0101

Overvoltage protection		Part No.
Fine protection for temperature sensor inputs of all WIK-DR controllers.		
	**WIK-BD 1**	01 7000 0 0101

DHW temperature control mixing valve		Part No.
	**WIK-BWM** DHW temperature control mixing valve 30 - 60°C, 1" AG	09988

3-way valve		Part No.
3-way-valve for switchover at 2-tank-systems, lifting of return temperature, or targeted stratification at solar combi buffer tanks and solar buffer tanks.		
	**WIK-UV 3/4"** 3-way-valve 3/4", 230 V, -20 up to + 160°C	10 491
	WIK-UV 1" 3-way-valve 1", 230 V, -20 up to + 160 ° C	11 307

Solar packages parts list

WIKORA SolarSpeicherSysteme

WIKOSUN 2510

On roof mounting, vertical, min. roof angle of 25°

Article	Part No.	Qty	Qty	Qty	Qty	Qty	Qty
WIKOSUN 2510 flat plate collector	01 1090 0 0101	1	2	3	4	5	6
ST-PSS-1V Profile rail set	01 2121 2 0102	1					
ST-PSS-2V Profile rail set	01 2121 3 0102		1		2	1	
ST-PSS-3V Profile rail set	01 2121 4 0102			1		1	2
ST-PSS-V Connector profile rail set	01 2221 1 0102				1	1	1
ST-BFS-Z Fastening set tile *	01 2221 6 0102	2	3	4	5	6	7
ST-BFS-ZV Fastening set adjustable tile *	01 2222 4 0102	2	3	4	5	6	7
ST-BFS-B Fastening set plain tile *	01 2221 7 0102	2	3	4	5	6	7
ST-BFS-S Fastening set slate *	01 2221 8 0102	2	3	4	5	6	7
ST-BFS-BL Fastening set rolled steel joist *	01 2221 9 0102	2	3	4	5	6	7
ST-BFS-ST Fastening set stair bolts *	01 2222 3 0102	2	3	4	5	6	7
ST-BFS-T Fastening set profiled sheeting *	01 2222 2 0102	2	3	4	5	6	7
ST-BFS-W Fastening set corrugated sheet iron roofs *	01 2222 0 0102	2	3	4	5	6	7
ST-AZV-1FK Connection accessories	01 2321 2 0102	1	1	1	1	1	1
ST-VZV-1FK Connection accessories	01 2421 2 0102		1	2	3	4	5
WIK-PG 25/16 HE Solar station with HE pump	01 5200 7 0101	1	1	1	1	1	1
WIK-DR 1 PWM Solar controller	01 7820 0 0101	1	1	1	1	1	1
WIK-PT 1000 Sensor	01 7900 0 0101	2	2	2	2	2	2
WIK-AG 18 Expansion vessel	01 5318 0 0101	1	1	1			
WIK-AG 25 Expansion vessel	01 5325 0 0101				1	1	
WIK-AG 40 Expansion vessel	01 5340 0 0101						1
WIK-PE 20 Solar liquid ready for use	01 5420 0 0101	1	1	2	2	3	3

*Optional

On roof mounting, horizontal, min. roof angle of 25°

Article	Part No.	Qty	Qty	Qty	Qty	Qty	Qty
WIKOSUN 2510 flat plate collector	01 1090 0 0101	1	2	3	4	5	6
ST-PSS-1.1H Profile rail set	01 2121 5 0102	1	2	3	4	5	6
ST-PSS-V Connector profile rail set	01 2221 1 0102		1	2	3	4	5
ST-BFS-Z Fastening set tile *	01 2221 6 0102	3	6	9	12	15	18
ST-BFS-ZV Fastening set adjustable tile *	01 2222 4 0102	3	6	9	12	15	18
ST-BFS-B Fastening set plain tile *	01 2221 7 0102	3	6	9	12	15	18
ST-BFS-S Fastening set slate *	01 2221 8 0102	3	6	9	12	15	18
ST-BFS-BL Fastening set rolled steel joist *	01 2221 9 0102	3	6	9	12	15	18
ST-BFS-ST Fastening set stair bolts *	01 2222 3 0102	3	6	9	12	15	18
ST-BFS-T Fastening set profiled sheeting *	01 2222 2 0102	3	6	9	12	15	18
ST-BFS-W Fastening set corrugated sheet iron roofs *	01 2222 0 0102	3	6	9	12	15	18
ST-AZV-1FK Connection accessories	01 2321 1 0102	1	1	1	1	1	1
ST-VZV-1FK Connection accessories	01 2421 1 0102		1	2	3	4	5
WIK-PG 25/16 HE Solar station with HE pump	01 5200 7 0101	1	1	1	1	1	1
WIK-DR 1 PWM Solar controller	01 7820 0 0101	1	1	1	1	1	1
WIK-PT 1000 Sensor	01 7900 0 0101	2	2	2	2	2	2
WIK-AG 18 Expansion vessel	01 5318 0 0101	1	1	1			
WIK-AG 25 Expansion vessel	01 5325 0 0101				1	1	
WIK-AG 40 Expansion vessel	01 5340 0 0101						1
WIK-PE 20 Solar liquid ready for use	01 5420 0 0101	1	1	2	2	3	3

*Optional

Solar packages parts list

WIKORA SolarSpeicherSysteme

WIKOSUN 2510

Flat roof mounting, vertical, 30° - 60°

Article	Part No.	Qty	Qty	Qty	Qty	Qty	Qty
WIKOSUN 2510 flat plate collector	01 1090 0 0101	1	2	3	4	5	6
ST-PSS-1V Profile rail set	01 2121 2 0102	1					
ST-PSS-2V Profile rail set	01 2121 3 0102		1		2	1	
ST-PSS-3V Profile rail set	01 2121 4 0102			1		1	2
ST-PSS-V Connector profile rail set	01 2221 1 0102				1	1	1
ST-BFS-FVG Basic kit	01 2222 1 0102	1	1	1	1	2	2
ST-BFS-FVE Extension kit	01 2223 1 0102			1	1		1
ST-AZV-1FK Connection accessories	01 2321 2 0102	1	1	1	1	1	1
ST-VZV-1FK Connection accessories	01 2421 2 0102		1	2	3	4	5
WIK-PG 25/16 HE Solar station with HE pump	01 5200 7 0101	1	1	1	1	1	1
WIK-DR 1 PWM Solar controller	01 7820 0 0101	1	1	1	1	1	1
WIK-PT 1000 Sensor	01 7900 0 0101	2	2	2	2	2	2
WIK-AG 18 Expansion vessel	01 5318 0 0101	1	1	1			
WIK-AG 25 Expansion vessel	01 5325 0 0101				1	1	
WIK-AG 40 Expansion vessel	01 5340 0 0101						1
WIK-PE 20 Solar liquid ready for use	01 5420 0 0101	1	1	2	2	3	3

Flat roof mounting, horizontal, 30° - 60°

Article	Part No.	Qty	Qty	Qty	Qty	Qty	Qty
WIKOSUN 2510 flat plate collector	01 1090 0 0101	1	2	3	4	5	6
ST-PSS-1.1H Profile rail set	01 2121 5 0102	1	2	3	4	5	6
ST-PSS-V Connector profile rail set	01 2221 1 0102		1	2	3	4	5
ST-BFS-FHG Basic kit	01 2221 5 0102	1	1	2	2	3	3
ST-BFS-FHE Extension kit	01 2222 5 0102		2	1	2	2	3
ST-AZH-1FK Connection accessories	01 2321 1 0102	1	1	1	1	1	1
ST-VZH-1FK Connection accessories	01 2421 1 0102		1	2	3	4	5
WIK-PG 25/16 HE Solar station with HE pump	01 5200 7 0101	1	1	1	1	1	1
WIK-DR 1 PWM Solar controller	01 7820 0 0101	1	1	1	1	1	1
WIK-PT 1000 Sensor	01 7900 0 0101	2	2	2	2	2	2
WIK-AG 18 Expansion vessel	01 5318 0 0101	1	1	1			
WIK-AG 25 Expansion vessel	01 5325 0 0101				1	1	
WIK-AG 40 Expansion vessel	01 5340 0 0101						1
WIK-PE 20 Solar liquid ready for use	01 5420 0 0101	1	1	2	2	3	3

Solar packages parts list

WIKORA SolarSpeicherSysteme

WIKOSUN HP 2340

On roof mounting, vertical

Article	Part No.	Qty	Qty	Qty	Qty	Qty	Qty
		15	30	45	60	75	90
Set of vacuum tubes HP 2340 (15 tubes)	03105100101	1	2	3	4	5	6
Module HP 2340 without tubes	03106100101	1	2	3	4	5	6
ST-ADM-1.4P Profile rail set	01211700102	1		1		1	
ST-ADM-3.4P Profile rail set	01213700102		1	1	2	2	3
ST-ADM-V Connector profile rail set	01214100101				1	2	2
ST-BFS-Z Fastening set tile*	01 2221 6 0102	2	3	4	5	5	6
ST-BFS-ZV Fastening set adjustable tile*	01 2222 4 0102	2	3	4	5	5	6
ST-BFS-B Fastening set plain tile*	01 2221 7 0102	2	3	4	5	5	6
ST-BFS-S Fastening set slate*	01 2221 8 0102	2	3	4	5	5	6
ST-BFS-BL Fastening set rolled stell joist*	01 2221 9 0102	2	3	4	5	5	6
ST-BFS-ST Fastening set stair bolts*	01 2222 3 0102	2	3	4	5	5	6
ST-BFS-T Fastening set profiled sheeting*	01 2222 2 0102	2	3	4	5	5	6
ST-BFS-W Fastening set sheet iron roofs*	01 2222 0 0102	2	3	4	5	5	6
ST-BFS-BL/ST/T/W Screw set for HP**	11215	2	2	2	4	4	4
ST-AVS-1.1DFE Extension set	01232350101	1	1	1	1	1	1
WIK-PG 25/16 HE Solar station with HE pump	01520070101	1	1	1	1	1	
WIK-PG 25/36 HE Solar station with HE pump	01520080101						1
WIK-DR 1 PWM Solar controller	01782000101	1	1	1	1	1	1
WIK-PT 1000 Sensor	01790000101	2	2	2	2	2	2
WIK-AG 18 Expansion vessel	01531800101	1	1				
WIK-AG 25 Expansion vessel	01532500101			1	1		
WIK-AG 40 Expansion vessel	01534000101					1	1
WIK-PE 20 Solar liquid ready for use	01542000101	1	1	2	2	3	3

*Optional

** Screw set not included in gross price

Flachdachmontage, vertikal

Article	Part No.	Qty	Qty	Qty	Qty	Qty	Qty
		15	30	45	60	75	90
Set of vacuum tubes HP 2340 (15 tubes)	03105100101	1	2	3	4	5	6
Module HP 2340 without tubes	03106100101	1	2	3	4	5	6
ST-ADM-1.4P Profile rail set	01211700102	1		1		1	
ST-ADM-3.4P Profile rail set	01213700102		1	1	2	2	3
ST-ADM-V Connector profile rail set	01214100101				1	2	2
ST-BFS-FVG Basic kit	01222210102	1	1	1	1	2	2
ST-BFS-FVE Extension kit	01222310102			1	1		
ST-AVS-1.1DFE Extension set	01232350101	1	1	1	1	1	1
WIK-PG 25/16 HE Solar station with HE pump	01520070101	1	1	1	1	1	
WIK-PG 25/36 HE Solar station with HE pump	01520080101						1
WIK-DR 1 PWM Solar controller	01782000101	1	1	1	1	1	1
WIK-PT 1000 Sensor	01790000101	2	2	2	2	2	2
WIK-AG 18 Expansion vessel	01531800101	1	1				
WIK-AG 25 Expansion vessel	01532500101			1	1		
WIK-AG 40 Expansion vessel	01534000101					1	1
WIK-PE 20 Solar liquid ready for use	01542000101	1	1	2	2	3	3

Solar packages parts list

WIKORA SolarSpeicherSysteme

WIKOSUN HP 2340

Flachdachmontage, horizontal

Article	Part No.	Qty	Qty	Qty	Qty	Qty	Qty
		15	30	45	60	75	90
Set of vacuum tubes HP 2340 (15 tubes)	03105100101	1	2	3	4	5	6
Module HP 2340 without tubes	03106100101	1	2	3	4	5	6
ST-ADM-1.4P Profile rail set	01211700102	1		1		1	
ST-ADM-3.4P Profile rail set	01213700102	1	1	1	2	2	3
ST-ADM-2.4P Profile rail set	01212700102		1	1	2	2	3
ST-ADM-2BW Profile corner set	01211320103	2	2	2	4	4	6
ST-ADM-V Connector profile rail set	01214100101			1	1	2	2
ST-FDM-1BG300 Set basic plate Alu	01212310103	2	3	4	5	5	6
ST-FDM-1BG400 Set basic plate Alu	01213310103	2	3	4	5	5	6
ST-BSM-40 Mat for preservation of structures*	01211340103	4	6	8	10	10	12
ST-GWE-20 Weight element*	01211330103	4	6	8	10	10	12
ST-AVS-1.1DFE Extension set	01232350101	1	1	1	1	1	1
WIK-PG 25/16 HE Solar station with HE pump	01520070101	1	1	1	1	1	
WIK-PG 25/36 HE Solar station with HE pump	01520080101						1
WIK-DR 1 PWM Solar controller	01782000101	1	1	1	1	1	1
WIK-PT 1000 Sensor	01790000101	2	2	2	2	2	2
WIK-AG 18 Expansion vessel	01531800101	1	1				
WIK-AG 25 Expansion vessel	01532500101			1	1		
WIK-AG 40 Expansion vessel	01534000101					1	1
WIK-PE 20 Solar liquid ready for use	01542000101	1	1	2	2	3	3

* Min. load must be adjusted to the local conditions

WIKOSUN HP 1240

Balkonmontage, vertikal

Article	Part No.	Qty	Qty	Qty	Qty	Qty	Qty
		15	30	45	60	75	90
Set of vacuum tubes HP 1240 (15 tubes)	03106200101	1	2	3	4	5	6
Module HP 1240 without tubes	03105200101	1	2	3	4	5	6
ST-ADM-1.4P Profile rail set	01211700102	1		1		1	
ST-ADM-3.4P Profile rail set	01213700102		1	1	2	2	3
ST-ADM-V Connector profile rail set	01214100101				1	2	2
ST-AVS-1.1DFE Extension set	01232350101	1	1	1	1	1	1
WIK-PG 25/16 HE Solar station with HE pump	01520070101	1	1	1	1	1	
WIK-PG 25/36 HE Solar station with HE pump	01520080101						1
WIK-DR 1 PWM Solar controller	01782000101	1	1	1	1	1	1
WIK-PT 1000 Sensor	01790000101	2	2	2	2	2	2
WIK-AG 18 Expansion vessel	01531800101	1	1				
WIK-AG 25 Expansion vessel	01532500101			1	1		
WIK-AG 40 Expansion vessel	01534000101					1	1
WIK-PE 20 Solar liquid ready for use	01542000101	1	1	2	2	3	3

Please note:
The recommended flow rate through the collector field is 2 litres/min per collector. Pipe work length and diameter should be factored for system volumes, and pump flow rates. The above mentioned data is based on a single-family home andan overal pipe length of less than 18 m and a heat exchanger capacity of max. 16 litres. The volume of the expansion vessel must be calculated by the installer. The list does not replace a detailed planning by a specialist.

Solar planning data sheet Solar

WIKORA SolarSpeicherSysteme

Please complete carefully. Incompletely submitted data sheets cannot be processed. Thank you.

Contact Data

Name

Street

Postal Code, City

Phone | Mobile

Fax | E-Mail

Project address | **Distributor**

1. Project

☐ Single-family home
☐ Multi-family house with _____ appartments
☐ at planning stage ☐ new construction ☐ old building

2. Solar requirement

☐ DHW
☐ Space heating
☐ Swimming pool heating

3. Estimated hot water consumption

Number of perons: _____
(in the case of multi-family houses please indicate total number)

Etimated water consumption (45 °C) per person per day:

☐ Low ca. 30 Litre
☐ Medium ca. 50 Litre
☐ High ca. 80 Litre

4. Installed / planned system details

DHW storage tank:
☐ Yes, capacity _____ litre ☐ No
☐ Standard tank ☐ In the boiler
☐ Combi buffer tank ☐ Buffer tank
☐ Hygienic tank / Instantaneous DHW station

Height of tank installation room: _____ m
Minimale door width: _____m (please pay attention to transport)
Heating type:
☐ Oil ☐ Gas ☐ Electrical ☐ District heating ☐ Heat pump
☐ Other _____
Brand: _____ Year: _____Type: _____ Performance: _____
Fuel consumption approx _____ litres/Year, m3/Year, kWH/Year

5. Space heating support only:

(Recommended for surface radiator heaters or low return temperature heating flow/return as in anderfloor heating systems)
Floor area: _____ m^2

Aux boiler flow/return: _____ / _____ °C

Heating requirement: _____ W/m^2

Solar planning data sheet Solar

WIKORA SolarSpeicherSysteme

6. Swimming pool heating

Dimensions (Length x width x depth) _____

☐ Indoor ☐ Outdoor

☐ Open situation ☐ Protected situation

Desired water temperature _____ °C

Room temperature: _____ °C

Aux heating available by boiler ☐ Yes ☐ No

In pool cover in use ☐ Yes ☐ No

Expected usage ☐ May - August ☐ April - September

☐ All season (indoor)

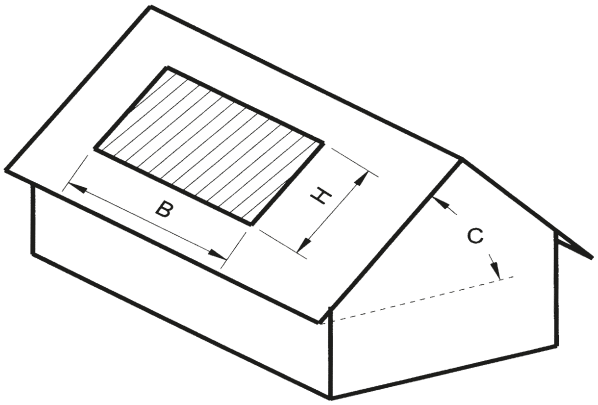
Bather per day: _____

7. Construction conditions

Useful roof length H: _____ m

Useful roof width B: _____ m

Roof angle C: _____ °



8. Mounting of the collectors

☐ Roof mounting

☐ Free standing (Flat roof)

☐ Roof-integrated ☐ Other _____

9. Alignment of the collectors

☐ East

☐ South

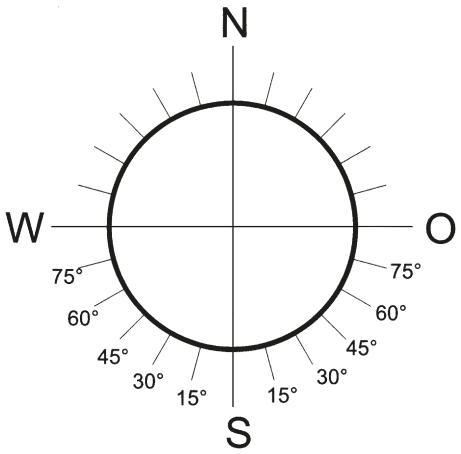
☐ West

Are the collectors shadowed during the day?

☐ Yes ☐ No

from _____ h

until _____ h



10. Roof coverage

☐ Tile ☐ Slate, clapboard

☐ Other: _____

11. Pipelines

Do the pipelines exist already to the collector from the tank ?

☐ Yes ☐ Copper, _____ ☐ Steel, _____

☐ No

Distance of the pipelines tank - collector:

approx. _____ m

12. Desired date of implementation:

More information about our company and products are available at
www.wikora.de

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Germany

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