

# WIKORA

## SolarSpeicherSysteme



## Product catalog 2018

Valid from 1<sup>st</sup> of April 2018



## Tank for wall boiler WBO TB / TOFB

Page 8



- DHW storage tank for wall boiler
- Suited for district heating
- With premium Mg-anode, sensor socket, flange and circulation. All connections are located at the top of the tank. .
- PUR-insulation and PS-jacket
- Max. working pressure of 10 bar
- Energy efficiency class B
- Tanks are available with or without flange

## 500l-storage in 650 mm tank diameter

Page 18



- For old building or small room height with 650 mm tank diameter
- With energy efficiency class B and insulation Neopor /fleece RAL 9006

## Combi buffer tanks - Tank-on-Tank WPK 405 H Twin

Page 32



- Buffer tank with DHW storage tank on top
- Convinced by high DHW convenience, optimum storage efficiency, high flexibility and simplified handling
- Specially designed for use with heat pumps up to 16 KW
- Can be combined with different energy sources

## WIKOSUN Liquid Safe (LiSa)

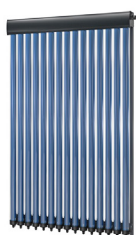
Page 40



- Patented innovation
- Ensures the efficiency of the solar installation
- Prevents problems caused by stagnation and air in the solar circuit
- Can be used in combination with existing solar thermal systems

## Vacuum tube collector WIKOSUN HP 2340 / 1240

Page 52



- 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

## New 6-series

- For the tanks WBO Uno / Duo /H / WP/SOL
- Improved thermal insulation according to energy efficiency class B
- Optimum load through completely removable insulation

## New insulation concept for the tanks from 150 to 1000 l



- 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

## Storage Technology 5

|                                   |    |
|-----------------------------------|----|
| Product overview                  | 6  |
| DHW storage tanks                 | 8  |
| Buffer tanks                      | 20 |
| Combi buffer tanks                | 28 |
| Chilled water buffer tanks        | 38 |
| Solar system tanks                | 40 |
| Hydraulic switches                | 41 |
| Individual storage tank solutions | 42 |
| Hot water appliances / Bath ovens | 45 |
| Terrace ovens and fire bowls      | 46 |

## Solar 47

|                              |    |
|------------------------------|----|
| Flat plate collectors        | 48 |
| Vacuum tube collectors       | 52 |
| Solar accessories            | 56 |
| Solar packages parts list    | 58 |
| Solar planning data sheet    | 66 |
| General terms and conditions | 68 |

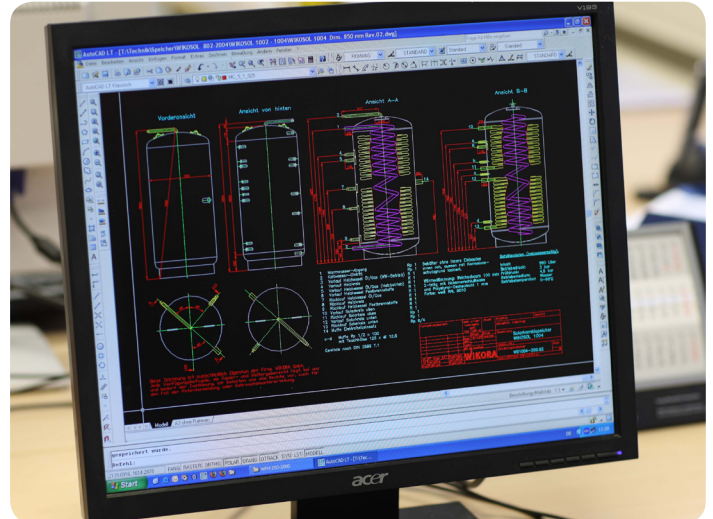
## Know-how increases with experience – success increases with quality

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.

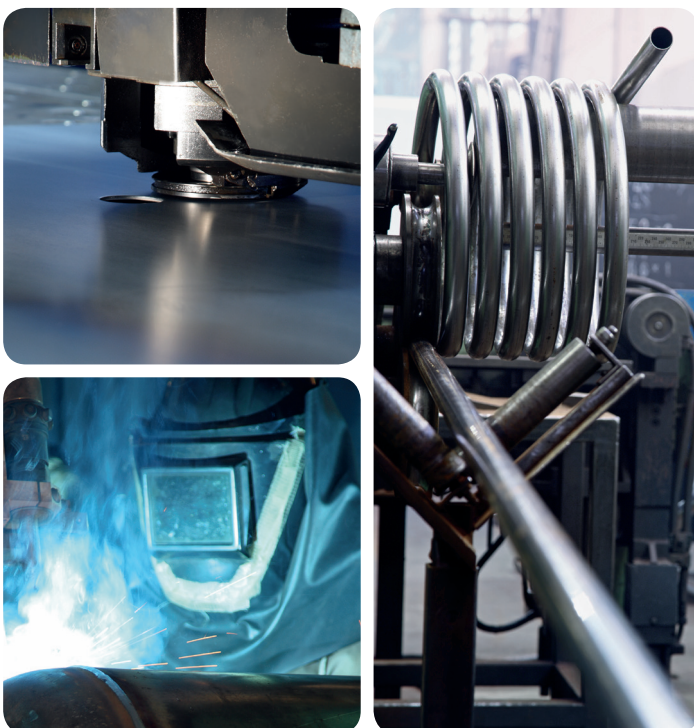
### The name Wikora represents:

- 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.

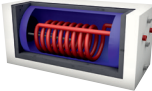
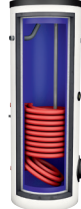




## Storage technology

|                                   |    |
|-----------------------------------|----|
| SProduct overview                 | 6  |
| DHW storage tanks                 | 8  |
| Buffer tanks                      | 20 |
| Combi buffer tanks                | 28 |
| Chilled water buffer tanks        | 38 |
| Solar system tanks                | 40 |
| Hydraulic switches                | 41 |
| Individual storage tank solutions | 42 |
| Hot water appliances / Bath ovens | 45 |
| Terrace ovens and fire bowls      | 46 |

## DHW storage tanks

|                         | WBO TB/ToFB                                                                       | WBL                                                                               | WBO Uno                                                                           | WBO Duo                                                                           | WBO H                                                                               | WP/SOL                                                                              | GS                                                                                  |
|-------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                         |  |  |  |  |  |  |  |
|                         | Page 8                                                                            | Page 9                                                                            | Page 10                                                                           | Page 12                                                                           | Page 14                                                                             | Page 16                                                                             | Page 19                                                                             |
| Energy efficiency class | <b>B</b>                                                                          | <b>B/C</b>                                                                        | <b>B/C</b>                                                                        | <b>B/C</b>                                                                        | <b>B/C</b>                                                                          | <b>B/C</b>                                                                          | <b>B/C</b>                                                                          |
| Application             |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Gas                     | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   | •                                                                                   | •                                                                                   |
| Oil                     | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   | •                                                                                   |                                                                                     |
| Pellets/Wood            | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   | •                                                                                   |                                                                                     |
| Heat pump               |                                                                                   |                                                                                   |                                                                                   |                                                                                   | •                                                                                   | •                                                                                   |                                                                                     |
| District heating        | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   | •                                                                                   |                                                                                     |
| Solar                   |                                                                                   |                                                                                   |                                                                                   | •                                                                                 |                                                                                     | •                                                                                   |                                                                                     |
| Electric <sup>1)</sup>  |                                                                                   | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                   | •                                                                                   |                                                                                     |
| Capacity                | 120, 160 l                                                                        | 150, 200 l                                                                        | 120, 150, 200, 300, 400, 500, 800, 1000, 1500, 2000, 3000 l                       | 200, 300, 400, 500, 800, 1000, 1500, 2000, 3000 l                                 | 200, 300, 400, 500, 800, 1000, 1500 l                                               | 300, 400, 500, 800, 1000, 1500 l                                                    | 115, 150, 190 l                                                                     |

## Combi buffer tanks - Hygienic tanks

## Combi buffer tanks - Tank-in-Tank

|                         | Wikosol - 0                                                                         | Wikosol - 1                                                                         | Wikosol - 2                                                                         | WPKR H Twin                                                                         | WPKR Twin                                                                             | WPKR                                                                                  | WPK                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                         |  |  |  |  |  |  |  |
|                         | Page 28                                                                             | Page 29                                                                             | Page 30                                                                             | Page 32                                                                             | Page 34                                                                               | Page 36                                                                               | Page 36                                                                               |
| Energy efficiency class | <b>B/C</b>                                                                          | <b>B/C</b>                                                                          | <b>B/C</b>                                                                          | <b>B/C</b>                                                                          | <b>B/C</b>                                                                            | <b>B/C</b>                                                                            | <b>B/C</b>                                                                            |
| Application             |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
| Gas                     | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
| Oil                     | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
| Pellets/Wood            | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
| Heat pump               |                                                                                     |                                                                                     |                                                                                     | •                                                                                   |                                                                                       |                                                                                       |                                                                                       |
| District heating        | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
| Solar                   |                                                                                     | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     |                                                                                       |
| Electric <sup>1)</sup>  | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                   | •                                                                                     | •                                                                                     | •                                                                                     |
| Capacity                | 600, 800, 1000, 1500, 2000 l                                                        | 600, 800, 1000, 1500, 2000 l                                                        | 600, 800, 1000, 1500, 2000 l                                                        | 600, 800, 1000 l                                                                    | 600, 750, 1000 l                                                                      | 750, 1000 l                                                                           | 750, 1000 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

## Buffer tanks

|                         | WPS                                                                               | WPH                                                                               | WPR                                                                               | WPRR                                                                               | WPH-FW                                                                              | WPR-FW                                                                              |
|-------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                         |  |  |  |  |  |  |
|                         | Page 20                                                                           | Page 22                                                                           | Page 24                                                                           | Page 25                                                                            | Page 26                                                                             | Page 26                                                                             |
| Energy efficiency class | <b>B/C</b>                                                                        | <b>B/C</b>                                                                        | <b>B/C</b>                                                                        | <b>B/C</b>                                                                         | <b>B/C</b>                                                                          | <b>B/C</b>                                                                          |
| Application             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| Gas                     | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                  | •                                                                                   | •                                                                                   |
| Oil                     | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                  | •                                                                                   | •                                                                                   |
| Pellets/Wood            | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                  | •                                                                                   | •                                                                                   |
| Heat pump               | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                  | •                                                                                   | •                                                                                   |
| District heating        | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                  | •                                                                                   | •                                                                                   |
| Solar                   |                                                                                   |                                                                                   | •                                                                                 | •                                                                                  |                                                                                     | •                                                                                   |
| Electric <sup>1)</sup>  | •                                                                                 | •                                                                                 | •                                                                                 | •                                                                                  | •                                                                                   | •                                                                                   |
| Capacity                | 150, 200, 300, 400, 500, 800, 1000, 1500, 2000, 3000 l                            | 150, 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                                                 | 800, 1000 l                                                                         | 800, 1000 l                                                                         |

Storage technology

## Chilled water buffer tanks<sup>2)</sup>

## Miscellaneous

## Bath/Terrace ovens/Fire bowls

|                        | WKS complete                                                                        | WKS                                                                                 | Wikosun LiSa                                                                        | WHW                                                                                 | WHW                                                                                   | Coal / pressure bathing oven                                                          | Fire bowls                                                                            |
|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                        |  |  |  |  |  |  |  |
|                        | Page 38                                                                             | Page 39                                                                             | Page 40                                                                             | Page 41                                                                             | Page 41                                                                               | Page 45                                                                               | Page 46                                                                               |
| Application            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
| Gas                    |                                                                                     |                                                                                     |                                                                                     | •                                                                                   | •                                                                                     |                                                                                       |                                                                                       |
| Oil                    |                                                                                     |                                                                                     |                                                                                     | •                                                                                   | •                                                                                     |                                                                                       |                                                                                       |
| Pellets/Wood           |                                                                                     |                                                                                     |                                                                                     | •                                                                                   | •                                                                                     | Coal/Wood                                                                             | Coal/Wood                                                                             |
| Heat pump              | •                                                                                   | •                                                                                   |                                                                                     | •                                                                                   | •                                                                                     |                                                                                       |                                                                                       |
| District heating       |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
| Solar                  |                                                                                     |                                                                                     | •                                                                                   |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
| Electric <sup>1)</sup> | •                                                                                   | •                                                                                   |                                                                                     |                                                                                     |                                                                                       |                                                                                       |                                                                                       |
| Capacity               | 150, 200, 300, 400, 500, 800, 1000, 1500, 2000, 3000 l                              | 150, 200, 300, 400, 500, 800, 1000, 1500, 2000, 3000 l                              | 55, 121 l                                                                           | 0,8, 1,7, 4,0, 5,7, 10,5, 14,5, 26, 50, 87, 204 l                                   | 0,8, 1,7, 4,0, 5,7, 10,5, 14,5, 26, 50, 87, 204 l                                     | 100l                                                                                  |                                                                                       |

## DHW storage tanks

### Tank for wall boiler WBO TB/WBO TOF

#### 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, flange at the top and circulation connection
- All connections are located at the top of the tank
- WBO TOF without flange

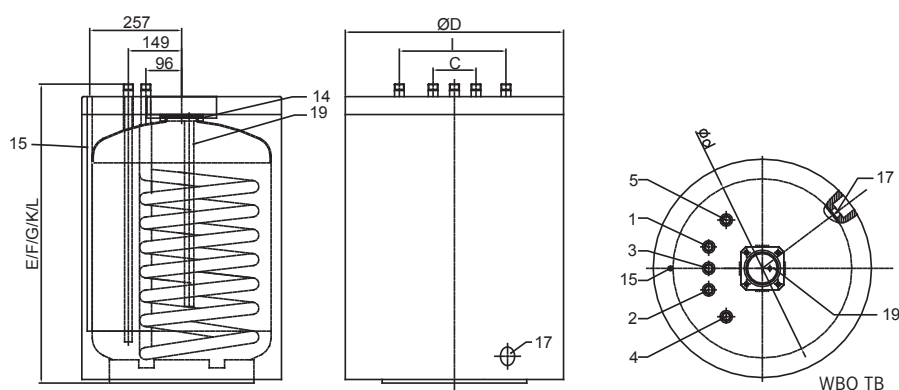
#### Insulation

PUR insulation and PS-jacket

#### 5 years warranty



WBO TB



WBO TB

| Article                                          |     |                   | WBO 120 TB  | WBO 160 TB  | WBO 120 TOFB | WBO 160 TOFB |
|--------------------------------------------------|-----|-------------------|-------------|-------------|--------------|--------------|
| Capacity according to DIN EN 12897               |     | litre             | 124         | 171         | 124          | 171          |
| Key performance indicator $N_L$ acc. to DIN 4708 |     | $N_L$             | 1,9         | 3,2         | 1,9          | 3,2          |
| Performance DHW 80/60/10 °C                      |     | l/h (kW)          | 371 (22)    | 443 (26)    | 371 (22)     | 443(26)      |
| Max. working temperature DHW/heating             |     | °C                | 95/130      | 95/130      | 95/130       | 95/130       |
| Max. working pressure DHW/heating                |     | bar               | 10/16       | 10/16       | 10/16        | 10/16        |
| Capacity of heat exchanger                       |     | l                 | 5,5         | 7,4         | 5,5          | 7,4          |
| Surface of heat exchanger                        |     | m <sup>2</sup>    | 0,9         | 1,1         | 0,9          | 1,1          |
| Flow rate of heat exchanger                      |     | m <sup>3</sup> /h | 2,3         | 2,5         | 2,3          | 2,5          |
| Pressure loss of heat exchanger                  |     | mbar              | 75          | 105         | 75           | 105          |
| Insulation                                       |     | mm                | 50          | 50          | 50           | 50           |
| Energy loss                                      |     | Watt              | 40          | 48          | 40           | 48           |
| <b>Energy efficiency class</b>                   |     |                   | <b>B</b>    | <b>B</b>    | <b>B</b>     | <b>B</b>     |
| <b>Dimensions</b>                                |     |                   |             |             |              |              |
| Distance DHW-connections                         | C   | mm                | 120         | 120         | 120          | 120          |
| Diameter incl. insulation                        | D   | mm                | 590         | 590         | 590          | 590          |
| Height cold water connection                     | E   | mm                | 828         | 1022        | 828          | 1022         |
| Height hot water connection                      | F   | mm                | 828         | 1022        | 828          | 1022         |
| Height circulation                               | G   | mm                | 828         | 1022        | 828          | 1022         |
| Height storage tank                              | H   | mm                | 788         | 982         | 788          | 982          |
| Distance boiler inlet/outlet                     | I   | mm                | 298         | 298         | 298          | 298          |
| Height aux boiler flow                           | K   | mm                | 828         | 1022        | 828          | 1022         |
| Height aux boiler return                         | L   | mm                | 828         | 1022        | 828          | 1022         |
| <b>Connections</b>                               |     |                   |             |             |              |              |
| Cold water/hot water                             | 1/2 | Ga                | 3/4         | 3/4         | 3/4          | 3/4          |
| Circulation                                      | 3   | Ga                | 3/4         | 3/4         | 3/4          | 3/4          |
| Aux boiler flow/return                           | 4/5 | Ga                | 3/4         | 3/4         | 3/4          | 3/4          |
| Flange                                           | 14  | NW                | 90          | 90          | -            | -            |
| Sensor socket                                    | 15  | mm                | 10          | 10          | 10           | 10           |
| Drain                                            | 17  | Gi                | 1/2         | 1/2         | 1/2          | 1/2          |
| Anode                                            | 19  | Gi                | M8          | M8          | 1            | 1            |
| Weight (empty)                                   |     | kg                | 68          | 75          | 68           | 75           |
| Part No. (white)                                 |     |                   | 55121100110 | 55165100110 | 55121000110  | 55161100110  |

Ga = male thread, Gi = female 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

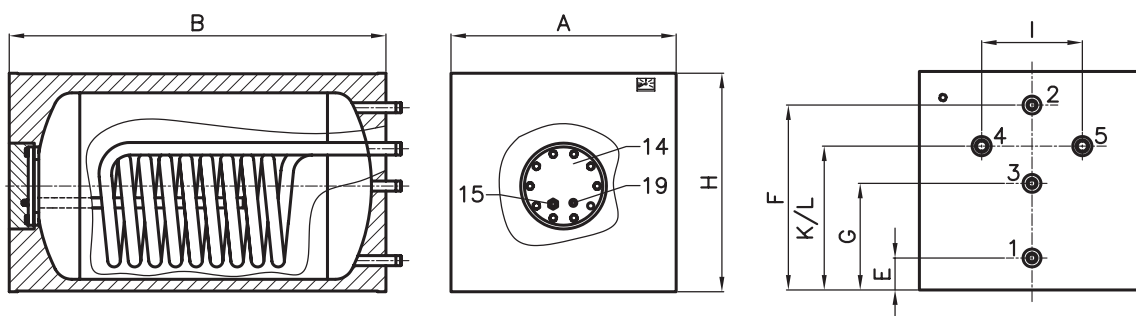
### Insulation

PUR-insulation and lacquered steel sheet cover

### 5 years warranty



Storage technology



| Article                                          |     |                   | WBL 150     | WBL 200     |
|--------------------------------------------------|-----|-------------------|-------------|-------------|
| Capacity according to DIN EN 12897               |     | litre             | 148         | 197         |
| Key performance indicator $N_L$ 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 <sup>2</sup>    | 0,92        | 1,12        |
| Flow rate of heat exchanger                      |     | m <sup>3</sup> /h | 2,3         | 2,4         |
| Pressure loss of heat exchanger                  |     | mbar              | 80          | 108         |
| Energy loss                                      |     | Watt              | 52          | 63          |
| <b>Energy efficiency class</b>                   |     |                   | <b>B</b>    | <b>C</b>    |
| <b>Dimensions</b>                                |     |                   |             |             |
| 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         |
| <b>Connections</b>                               |     |                   |             |             |
| 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 |

## 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 Jahre Garantie

| Article                                          |                   | WBO 120 Uno | WBO 155 Uno | WBO 205 Uno | WBO 306 Uno<br>[WBO 305 Uno] | WBO 406 Uno<br>[WBO 405 Uno] | WBO 506 Uno<br>[WBO 505 Uno] |
|--------------------------------------------------|-------------------|-------------|-------------|-------------|------------------------------|------------------------------|------------------------------|
| Capacity according to DIN EN 12897               | litre             | 123         | 152         | 200         | 298                          | 428                          | 499                          |
| Key performance indicator $N_L$ 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)                     |
| Max. working temperature DHW/heating             | °C                | 95/130      | 95/130      | 95/130      | 95/130                       | 95/130                       | 95/130                       |
| Max. working pressure DHW/heating                | bar               | 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                         |
| Surface of heat exchanger                        | m <sup>2</sup>    | 0,7         | 0,8         | 0,8         | 1,45                         | 1,6                          | 2,1                          |
| Flow rate of heat exchanger                      | m <sup>3</sup> /h | 2,0         | 2,37        | 2,37        | 2,4                          | 2,5                          | 2,5                          |
| Pressure loss of heat exchanger                  | mbar              | 68          | 30          | 33          | 48                           | 60                           | 78                           |
| Insulation                                       | mm                | 50-PUR      | 80          | 80          | 100 [80]                     | 120 [80]                     | 120 [80]                     |
| Energy loss                                      | Watt              | 49          | 53          | 54          | 67 [82]                      | 73 [99]                      | 78 [109]                     |
| <b>Energy efficiency class</b>                   |                   | <b>B</b>    | <b>B</b>    | <b>B</b>    | <b>B [C]</b>                 | <b>B [C]</b>                 | <b>B [C]</b>                 |

### Dimensions

|                                 |    |    |      |      |      |             |             |             |
|---------------------------------|----|----|------|------|------|-------------|-------------|-------------|
| Diameter incl. insulation       | D  | mm | 520  | 660  | 660  | 700 [660]   | 840 [760]   | 840 [760]   |
| Diameter tank                   | d  | mm | -    | 500  | 500  | 500         | 600         | 600         |
| Height cold water connection    | E  | mm | 120  | 215  | 215  | 215         | 250         | 250         |
| Height hot water connection     | F  | mm | 879  | 668  | 912  | 1422        | 1420        | 1680        |
| Height circulation              | G  | mm | 460  | 465  | 547  | 758         | 670         | 802         |
| Height storage tank             | H  | mm | 1009 | 1020 | 1260 | 1770 [1740] | 1760 [1730] | 2055 [1990] |
| Tilting dimension               | W  | mm | -    | 1150 | 1360 | 1750        | 1800        | 1958        |
| Height aux boiler flow          | K  | mm | 577  | 565  | 649  | 858         | 770         | 902         |
| Height aux boiler return        | L  | mm | 120  | 248  | 248  | 243         | 330         | 330         |
| Height flange                   | O  | mm | 317  | 290  | 290  | 290         | 335         | 335         |
| Height plug for electric heater | R  | mm | -    | 612  | 703  | 905         | 822         | 951         |
| Height sensor socket 1          | X1 | mm | 372  | -    | -    | -           | -           | -           |
| Height draining                 | B  | mm | -    | 105  | 105  | 105         | 145         | 145         |

### Connections

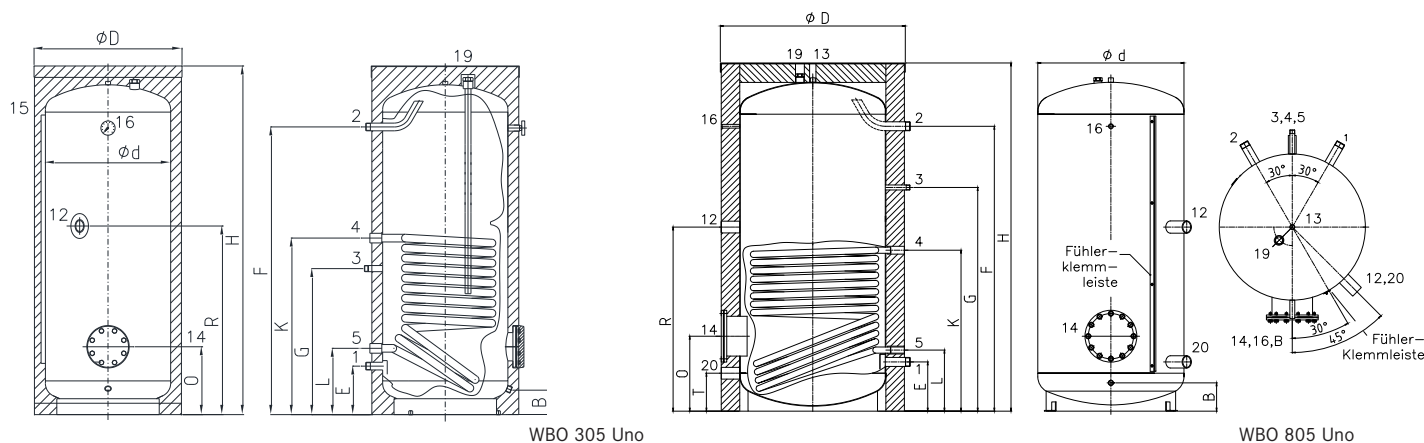
|                             |     |    |     |     |     |     |     |     |
|-----------------------------|-----|----|-----|-----|-----|-----|-----|-----|
| Cold water/hot water        | 1/2 | Ga | 3/4 | 1   | 1   | 1   | 1   | 1   |
| Circulation                 | 3   | Ga | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| Aux boiler flow/return      | 4/5 | Gi | 1   | 1   | 1   | 1   | 1   | 1   |
| Plug for electric heater    | 12  | Gi | -   | 6/4 | 6/4 | 6/4 | 6/4 | 6/4 |
| Flange                      | 14  | NW | 100 | 116 | 116 | 116 | 116 | 116 |
| Sensor socket               | 15  | mm | 1/2 | -   | -   | -   | -   | -   |
| Sensor tubes                | 15  | mm | -   | 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 |
| Weight (without insulation) |     | kg | 60  | 60  | 71  | 97  | 155 | 182 |

### Energy efficiency class B

|                   |             |             |             |             |             |             |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Part No. (white)  | 55120000110 | 55155000191 | 55210000191 | 55306100191 | 55406100191 | 55506100191 |
| Part No. (silver) | -           | 55155000192 | 55210000192 | 55306100192 | 55406100192 | 55506100192 |

### Energy efficiency class C

|                   |             |             |             |
|-------------------|-------------|-------------|-------------|
| Part No. (white)  | 55310000191 | 55410000191 | 55510000191 |
| Part No. (silver) | 55310000192 | 55410000192 | 55510000192 |



| 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 $N_L$ 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/heating             | °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                        | m <sup>2</sup>    | 2,7          | 3,0          | 3,7          | 4,7          | 6,0          |
| Flow rate of heat exchanger                      | m <sup>3</sup> /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          | -            |
| <b>Energy efficiency class</b>                   |                   | <b>B [C]</b> | <b>B [C]</b> | <b>C</b>     | <b>C</b>     | <b>C</b>     |

## 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 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   |
| Plug for electric heater    | 12  | Gi | 2   | 2   | 2   | 2   | 2   |
| Vent                        | 13  | Gi | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| Flange                      | 14  | NW | 205 | 205 | 205 | 205 | 205 |
| Sensor clamp                |     |    | •   | •   | •   | •   | •   |
| 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 | 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 |

## 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

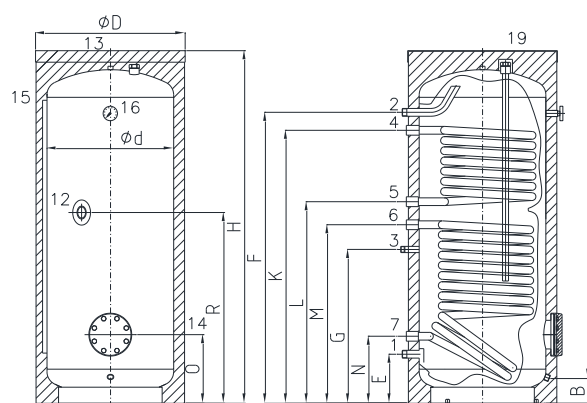
Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l



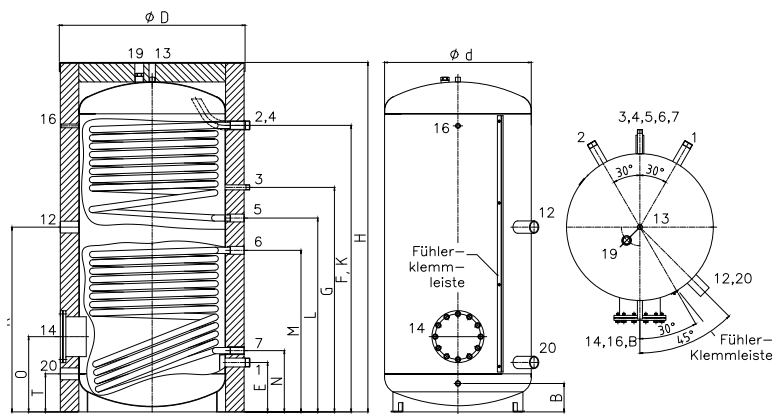
WBO 405 Duo

### 5 years warranty

| Article                                                   |                   |    | WBO 205 Duo |          | WBO 306 Duo<br>[WBO 305 Duo] |          | WBO 406 Duo<br>[WBO 405 Duo] |          | WBO 506 Duo<br>[WBO 505 Duo] |          |
|-----------------------------------------------------------|-------------------|----|-------------|----------|------------------------------|----------|------------------------------|----------|------------------------------|----------|
|                                                           |                   |    | HE lower    | HE upper | HE lower                     | HE upper | HE lower                     | HE upper | HE lower                     | HE upper |
| Capacity according to DIN EN 12897                        | litre             |    | 198         |          | 296                          |          | 427                          |          | 497                          |          |
| Key performance indicator N <sub>L</sub> acc. to DIN 4708 | N <sub>L</sub>    |    | 4           | 0,8      | 9,1                          | 3,2      | 13,8                         | 4,1      | 18,9                         | 5,5      |
| Performance DHW 80/60/10°C                                | l/h (kW)          |    | 332 (19)    | 216 (12) | 560 (32)                     | 350 (21) | 608 (34)                     | 371 (22) | 750 (44)                     | 510 (30) |
| Max. working temperature DHW/heating                      | °C                |    | 95/130      |          | 95/130                       |          | 95/130                       |          | 95/130                       |          |
| Max. working pressure DHW/heating                         | bar               |    | 10/16       |          | 10/16                        |          | 10/16                        |          | 10/16                        |          |
| Capacity of heat exchanger lower/upper                    | l                 |    | 5,2         | 3,3      | 8,6                          | 5,7      | 10,5                         | 5,9      | 13,7                         | 8,5      |
| Surface of heat exchanger lower/upper                     | m <sup>2</sup>    |    | 0,8         | 0,5      | 1,45                         | 0,85     | 1,60                         | 0,9      | 2,1                          | 1,3      |
| Flow rate of heat exchanger lower/upper                   | m <sup>3</sup> /h |    | 2,37        | 2,4      | 2,4                          | 2,4      | 2,5                          | 2,5      | 2,5                          | 2,5      |
| Pressure loss of heat exchanger lower/upper               | mbar              |    | 33          | 20       | 48                           | 42       | 60                           | 35       | 78                           | 53       |
| Insulation                                                | mm                |    | 80          |          | 100 [80]                     |          | 120 [80]                     |          | 120 [80]                     |          |
| Energy loss                                               | Watt              |    | 59          |          | 69 [86]                      |          | 76 [103]                     |          | 81 [113]                     |          |
| Energy efficiency class                                   |                   |    | B           |          | B [C]                        |          | B [C]                        |          | B [C]                        |          |
| Dimensions                                                |                   |    |             |          |                              |          |                              |          |                              |          |
| Diameter incl. insulation                                 | D                 | mm | 660         |          | 700 [660]                    |          | 840 [760]                    |          | 840 [760]                    |          |
| Diameter tank                                             | d                 | mm | 500         |          | 500                          |          | 600                          |          | 600                          |          |
| Height cold water connection                              | E                 | mm | 215         |          | 215                          |          | 250                          |          | 250                          |          |
| Height hot water connection                               | F                 | mm | 912         |          | 1422                         |          | 1420                         |          | 1680                         |          |
| Height circulation                                        | G                 | mm | 547         |          | 758                          |          | 670                          |          | 802                          |          |
| Height storage tank                                       | H                 | mm | 1215        |          | 1770 [1740]                  |          | 1760 [1730]                  |          | 2055 [1990]                  |          |
| Tilting dimension                                         | W                 | mm | 1360        |          | 1750                         |          | 1800                         |          | 1958                         |          |
| Height aux boiler flow                                    | K                 | mm | 912         |          | 1397                         |          | 1398                         |          | 1680                         |          |
| Height aux boiler return                                  | L                 | mm | 732         |          | 958                          |          | 870                          |          | 1010                         |          |
| Height solar flow                                         | M                 | mm | 649         |          | 858                          |          | 770                          |          | 902                          |          |
| Height solar return                                       | N                 | mm | 248         |          | 243                          |          | 330                          |          | 330                          |          |
| Height flange                                             | O                 | mm | 290         |          | 290                          |          | 335                          |          | 335                          |          |
| Height plug for electric heater                           | R                 | mm | 703         |          | 905                          |          | 822                          |          | 951                          |          |
| Height draining                                           | B                 | mm | 105         |          | 105                          |          | 145                          |          | 145                          |          |
| 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                          |          |
| 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 | 82          |          | 109                          |          | 176                          |          | 206                          |          |
| Energy efficiency class B                                 |                   |    |             |          |                              |          |                              |          |                              |          |
| Part No. (white)                                          |                   |    | 55212000191 |          | 55306200191                  |          | 55406200191                  |          | 55506200191                  |          |
| Part No. (silver)                                         |                   |    | 55212000192 |          | 55306200192                  |          | 55406200192                  |          | 55506200192                  |          |
| Energy efficiency class C                                 |                   |    |             |          |                              |          |                              |          |                              |          |
| Part No. (white)                                          |                   |    |             |          | 55312000191                  |          | 55412000191                  |          | 55512000191                  |          |
| Part No. (silver)                                         |                   |    |             |          | 55312000192                  |          | 55412000192                  |          | 55512000192                  |          |



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 $N_L$ 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) | 1350 (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 <sup>2</sup>    | 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 <sup>3</sup> /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          |          | -            |           |
| <b>Energy efficiency class</b>                   |                   | <b>B [C]</b> |          | <b>B [C]</b> |          | <b>C</b>     |          | <b>C</b>     |          | <b>C</b>     |           |

## 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                        | 13  | Gi | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| Flange                      | 14  | NW | 205 | 205 | 205 | 205 | 205 |
| Sensor clamp                | 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 |

## 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 (150 to 500 l) for energy efficiency class B or C

Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l

### 5 Jahre Garantie



WBO 405 H

| Article                                                  |                   | WBO 205 H | WBO 306 H/35<br>[WBO 305 H] | WBO 406 H<br>[WBO 405 H] | WBO 506 H 50<br>[WBO 505 H 50] | WBO 506 H 60<br>[WBO 505 H 60] |
|----------------------------------------------------------|-------------------|-----------|-----------------------------|--------------------------|--------------------------------|--------------------------------|
| Capacity according to DIN EN 12897                       | litre             | 197       | 295/292                     | 423                      | 496                            | 493                            |
| Key performance indicator $N_L$ acc. to DIN 4708, VL 80° | $N_L$             | 5,1       | 12,2                        | 17,1                     | 21,7                           | 35                             |
| Key performance indicator $N_L$ 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)                      |
| Max. working temperature DHW/heating                     | °C                | 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                          |
| Capacity of heat exchanger                               | l                 | 12,4      | 19,5/22,7                   | 32,7                     | 32,7                           | 39,0                           |
| Surface of heat exchanger                                | m <sup>2</sup>    | 1,9       | 3,0/3,5                     | 5,0                      | 5,0                            | 6,0                            |
| Flow rate of heat exchanger                              | m <sup>3</sup> /h | 2,4       | 2,4                         | 2,5                      | 2,5                            | 2,4                            |
| Pressure loss of heat exchanger                          | mbar              | 23        | 22/25                       | 26                       | 26                             | 110                            |
| Insulation                                               | mm                | 80        | 100 [80]                    | 120 [80]                 | 120 [80]                       | 120 [80]                       |
| Energy loss                                              | Watt              | 54        | 67 [82]                     | 73 [99]                  | 78 [109]                       | 78 [109]                       |
| <b>Energy efficiency class</b>                           |                   | <b>B</b>  | <b>B [C]</b>                | <b>B [C]</b>             | <b>B [C]</b>                   | <b>B [C]</b>                   |

### Dimensions

|                                 |   |    |      |             |             |             |             |
|---------------------------------|---|----|------|-------------|-------------|-------------|-------------|
| Diameter incl. insulation       | D | mm | 660  | 700 [660]   | 840 [760]   | 840 [760]   | 840 [760]   |
| Diameter tank                   | d | mm | 500  | 500         | 600         | 600         | 600         |
| Height cold water connection    | E | mm | 215  | 215         | 250         | 250         | 250         |
| Height hot water connection     | F | mm | 912  | 1422        | 1420        | 1680        | 1680        |
| Height circulation              | G | mm | 547  | 758         | 998         | 998         | 998         |
| Height storage tank             | H | mm | 1215 | 1770 [1740] | 1760 [1730] | 2055 [1990] | 2055 [1990] |
| Tilting dimension               | W | mm | 1360 | 1750        | 1800        | 1958        | 1958        |
| Height aux boiler flow          | K | mm | 649  | 940 [858]   | 1098        | 1098        | 1274        |
| Height aux boiler return        | L | mm | 248  | 243         | 285         | 285         | 285         |
| Height flange                   | O | mm | 290  | 290         | 335         | 335         | 335         |
| Height plug for electric heater | R | mm | 703  | 905         | 1155        | 1164        | 1164        |
| Height draining                 | B | mm | 105  | 105         | 145         | 145         | 145         |

### Connections

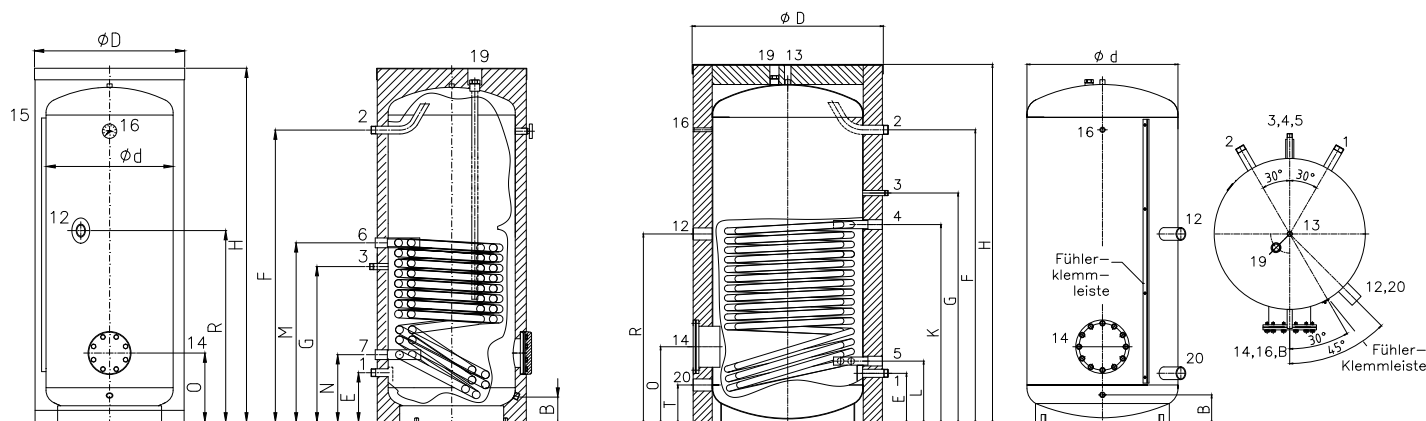
|                             |     |    |     |     |     |     |     |
|-----------------------------|-----|----|-----|-----|-----|-----|-----|
| Cold water/hot water        | 1/2 | Ga | 1   | 1   | 1   | 1   | 1   |
| Circulation                 | 3   | Ga | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| Aux boiler flow/return      | 4/5 | Gi | 5/4 | 5/4 | 5/4 | 5/4 | 5/4 |
| Plug for electric heater    | 12  | Gi | 6/4 | 6/4 | 6/4 | 6/4 | 6/4 |
| Flange                      | 14  | NW | 116 | 116 | 116 | 116 | 116 |
| Sensor tubes                | 15  | mm | 10  | 10  | 10  | 10  | 10  |
| Thermometer                 | 16  |    | •   | •   | •   | •   | •   |
| Anode                       | 19  | Gi | 5/4 | 5/4 | 5/4 | 5/4 | 5/4 |
| Weight (without insulation) |     | kg | 84  | 134 | 212 | 243 | 254 |

### Energy efficiency class B

|                   |             |             |             |             |             |
|-------------------|-------------|-------------|-------------|-------------|-------------|
| Part No. (white)  | 55219000191 | 55306300191 | 55406300191 | 55506300191 | 55506310191 |
| Part No. (silver) | 55219000192 | 55306300192 | 55406300192 | 55506300192 | 55506310192 |

### Energy efficiency class C

|                   |             |             |             |             |
|-------------------|-------------|-------------|-------------|-------------|
| Part No. (white)  | 55319000191 | 55419000191 | 55519000191 | 55519100191 |
| Part No. (silver) | 55319000192 | 55419000192 | 55519000192 | 55519100192 |



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 $N_L$ acc. to DIN 4708, VL 80° | $N_L$             |    |              | 35           | 40           | 42            | 60            | 64          |
| Key performance indicator $N_L$ 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                                | m <sup>2</sup>    |    | 6,5          | 6,0          | 7,0          | 7,0           | 9,2           | 9,0         |
| Flow rate of heat exchanger                              | m <sup>3</sup> /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         |
| <b>Energy efficiency class</b>                           |                   |    | <b>B [C]</b> | <b>B [C]</b> | <b>B [C]</b> | <b>B [C]</b>  | <b>B [C]</b>  | <b>C</b>    |
| <b>Dimensions</b>                                        |                   |    |              |              |              |               |               |             |
| 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         |
| <b>Connections</b>                                       |                   |    |              |              |              |               |               |             |
| 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           |
| Vent                                                     | 13                | Gi | 1/2          | 1/2          | 1/2          | 1/2           | 1/2           | 1/2         |
| Flange                                                   | 14                | NW | 116          | 205          | 205          | 205           | 205           | 205         |
| Sensor clamp                                             | 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 |
| <b>Energy efficiency class B</b>                         |                   |    |              |              |              |               |               |             |
| Part No. insulation (white)                              |                   |    | 11818        | 11809        | 11812        | 11814         | 11816         |             |
| Part No. insulation (silver)                             |                   |    | 11819        | 11810        | 11813        | 11815         | 11817         |             |
| <b>Energy efficiency class C</b>                         |                   |    |              |              |              |               |               |             |
| Part No. insulation (white)                              |                   |    | 11768        | 11427        | 11429        | 11431         | 11433         | 11453       |
| Part No. insulation (silver)                             |                   |    | 11799        | 11428        | 11430        | 11432         | 11434         | 11454       |

## High performance tank WBO 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 (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 WP/SOL

### 5 years warranty

| Article                                                                |                   | WBO 306 WP/SOL<br>[WBO 305 WP/SOL] | WBO 406 WP/SOL<br>[WBO 405 WP/SOL] | WBO 506 WP/SOL<br>[WBO 505 WP/SOL] |
|------------------------------------------------------------------------|-------------------|------------------------------------|------------------------------------|------------------------------------|
| Capacity according to DIN EN 12897                                     | litre             | 294                                | 423                                | 493                                |
| Key performance indicator $N_L$ acc. to DIN 4708, VL 80° (lower/upper) | $N_L$             | 9,1/4,5                            | 13,8/6,8                           | 18,9/10                            |
| Key performance indicator $N_L$ acc. to DIN 4708, VL 50° (upper)       | $N_L$             | 1,6                                | 2,4                                | 2,8                                |
| Continuous output hot water 80/60/10°C (HE lower)                      | l/h (kW)          | 560 (32)                           | 608 (35)                           | 750 (44)                           |
| Continuous output hot water 80/60/10°C (HE upper)                      | l/h (kW)          | 844 (49)                           | 999 (57)                           | 1190 (69)                          |
| 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                           | 10/16/16                           |
| Capacity of heat exchanger lower/upper                                 | litre             | 8,6/13,5                           | 10,5/19,6                          | 13,7/25,5                          |
| Surface of heat exchanger lower/upper                                  | m <sup>2</sup>    | 1,45/2,1                           | 1,6/3,0                            | 2,1/3,9                            |
| Flow rate of heat exchanger lower/upper                                | m <sup>3</sup> /h | 2,4/2,4                            | 2,5/2,5                            | 2,5/2,5                            |
| Pressure loss of heat exchanger lower/upper                            | mbar              | 48/13                              | 60/20                              | 78/18                              |
| Insulation                                                             | mm                | 100 [80]                           | 120 [80]                           | 120 [80]                           |
| Energy loss                                                            | Watt              | 69 [86]                            | 76 [103]                           | 81 [113]                           |
| <b>Energy efficiency class</b>                                         |                   | <b>B [C]</b>                       | <b>B [C]</b>                       | <b>B [C]</b>                       |

### Dimensions

|                                 |   |    |             |             |             |
|---------------------------------|---|----|-------------|-------------|-------------|
| Diameter incl. insulation       | D | mm | 700 [660]   | 840 [760]   | 840 [760]   |
| Diameter tank                   | d | mm | 500         | 600         | 600         |
| Height cold water connection    | E | mm | 215         | 250         | 250         |
| Height hot water connection     | F | mm | 1422        | 1420        | 1680        |
| Height circulation              | G | mm | 758         | 670         | 802         |
| Height storage tank             | H | mm | 1770 [1740] | 1760 [1730] | 2055 [1990] |
| Tilting dimension               | W | mm | 1750        | 1800        | 1958        |
| Height aux boiler flow          | K | mm | 1397        | 1398        | 1680        |
| Height aux boiler return        | L | mm | 958         | 870         | 1010        |
| Height solar flow               | M | mm | 858         | 770         | 902         |
| Height solar return             | N | mm | 243         | 330         | 330         |
| Height flange                   | O | mm | 290         | 335         | 335         |
| Height plug for electric heater | R | mm | 905         | 822         | 951         |
| Height draining                 | B | mm | 105         | 145         | 145         |

### 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 |
| 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 | 135 | 209 | 254 |

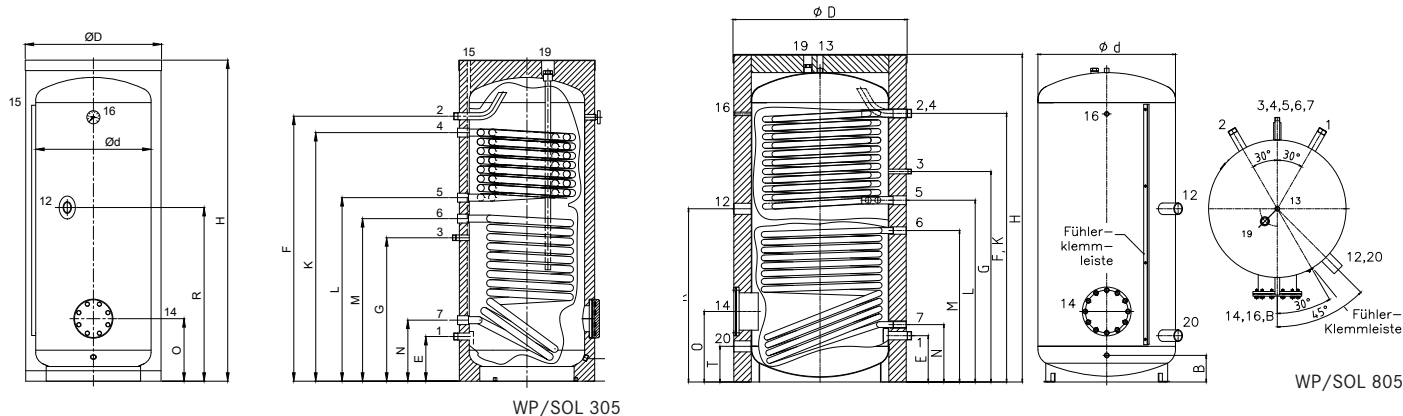
### Energy efficiency class B

|                   |             |             |             |
|-------------------|-------------|-------------|-------------|
| Part No. (white)  | 55306400191 | 55406400191 | 55506400191 |
| Part No. (silver) | 55306400192 | 55406400192 | 55506400192 |

### Energy efficiency class C

|                   |             |             |             |
|-------------------|-------------|-------------|-------------|
| Part No. (white)  | 55316000191 | 55416000191 | 55516000191 |
| Part No. (silver) | 55316000192 | 55416000192 | 55516000192 |

## DHW storage tanks



WP/SOL 305

WP/SOL 805

| 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 $N_L$ acc. to DIN 4708, VL 80° (lower/upper) | $N_L$             | 18/22          | 16/17          | 23/21           | -               |
| Key performance indicator $N_L$ acc. to DIN 4708, VL 50° (upper)       | $N_L$             | 6,5            | 5              | 6               | -               |
| Continuous output hot water 80/60/10°C (HE lower)                      | I/h (kW)          | 659 (38)       | 915 (53)       | 989 (58)        | 1300 (75)       |
| Continuous output hot water 80/60/10°C (HE upper)                      | I/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                                 | litre             |                | 17,7 / 29,0    | 19,8 / 37,0     | 30,6 / 60,5     |
| Surface of heat exchanger lower/upper                                  | m <sup>2</sup>    | 2,0/ 5,8       | 2,7 / 4,3      | 3,0 / 5,5       | 3,7 / 7,0       |
| Flow rate of heat exchanger lower/upper                                | m <sup>3</sup> /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             |
| <b>Energy efficiency class</b>                                         |                   | <b>B [C]</b>   | <b>B [C]</b>   | <b>B [C]</b>    | <b>C</b>        |

### 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  |

### Connections

|                             |     |    |     |     |     |     |
|-----------------------------|-----|----|-----|-----|-----|-----|
| 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                        | 13  | 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 |

## 500 liters compact water storager

### 506/650 - Compact water storager

#### Application

See storage type / Product family

#### Standard design

See storage type / Product family

#### Insulation

Neopor/fleece-insulation for energy efficiency class B

#### 5 years warranty



WBO 506/650 Uno

| Article                                           |                   | WBO 506/<br>650 Uno | WBO 506/<br>650 Duo | WBO 506/<br>650 H65 | WBO 506/<br>650 WP/SOL |
|---------------------------------------------------|-------------------|---------------------|---------------------|---------------------|------------------------|
| Capacity (act.) according to DIN EN 12897         | litre             | 498                 | 486                 | 449                 | 463                    |
| Continuous output hot water 80/60/10°C (HE lower) | l/h (kW)          | 750 (44)            | 750 (44)            | 1637 (95)           | 758 (44)               |
| Continuous output hot water 80/60/10°C (HE upper) | l/h (kW)          | -                   | 510 (30)            | -                   | 1319 (76)              |
| Max. working temperature DHW/HE lower/HE upper    | °C                | 95 / 110            | 95 / 110            | 95 / 110            | 95 / 110               |
| Max. working pressure DHW/HE lower/HE upper       | bar               | 10/16               | 10/16               | 10/16               | 10/16                  |
| Capacity of heat exchanger lower/upper            | litre             | 13,7                | 13,7 / 8,5          | 43,0                | 29,0 / 13,7            |
| Surface of heat exchanger lower/upper             | m <sup>2</sup>    | 2,1                 | 2,1 / 1,3           | 6,5                 | 2,1 / 4,5              |
| Flow rate of heat exchanger lower/upper           | m <sup>3</sup> /h | 2,5                 | 2,5 / 2,5           | 2,5                 | 2,5 / 2,5              |
| Pressure loss of heat exchanger lower/upper       | mbar              | 78                  | 78 / 53             | 55                  | 29 / 53                |
| Insulation                                        | mm                | 120                 | 120                 | 120                 | 120                    |
| Energy loss                                       | Watt              | 78                  | 81                  | 78                  | 81                     |
| <b>Energy efficiency class</b>                    |                   | <b>B</b>            | <b>B</b>            | <b>B</b>            | <b>B</b>               |
| <b>Dimensions</b>                                 |                   |                     |                     |                     |                        |
| Diameter incl. insulation                         | D mm              | 890                 | 890                 | 890                 | 890                    |
| Diameter tank                                     | d mm              | 650                 | 650                 | 650                 | 650                    |
| Height cold water connection                      | E mm              | 219                 | 219                 | 219                 | 219                    |
| Height hot water connection                       | F mm              | 1384                | 1384                | 1384                | 1384                   |
| Height circulation                                | G mm              | 1117                | 1117                | 1117                | 1117                   |
| Height storage tank                               | H mm              | 1728                | 1728                | 1728                | 1728                   |
| Tilting dimension                                 | W mm              | 1700                | 1700                | 1700                | 1700                   |
| Height aux boiler flow                            | K mm              | 860                 | 860                 | 1277                | 1384                   |
| Height aux boiler return                          | L mm              | 288                 | 288                 | 288                 | 684                    |
| Height solar flow                                 | M mm              |                     | 1384                |                     | 569                    |
| Height solar return                               | N mm              |                     | 1031                |                     | 219                    |
| Height flange                                     | O mm              | 325                 | 325                 | 325                 | 325                    |
| Height plug for electric heater                   | R mm              | 964                 | 964                 | 1348                | 626                    |
| Height draining                                   | B mm              | 136                 | 136                 | 136                 | 136                    |
| <b>Connections</b>                                |                   |                     |                     |                     |                        |
| 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                   | 5/4                 | 5/4                    |
| Solar flow/return                                 | 6/7 Gi            | -                   | 1                   | -                   | -                      |
| Plug for electric heater                          | 12 Gi             | 6/4                 | 6/4                 | 6/4                 | 6/4                    |
| Flange                                            | 14 NW             | 116                 | 116                 | 116                 | 116                    |
| Sensor tubes                                      | 15 mm             | 10                  | 10                  | 10                  | 10                     |
| Anode                                             | 19 Gi             | 5/4                 | 5/4                 | 5/4                 | 5/4                    |
| Weight (without insulation)                       | kg                | 182                 | 206                 | 259                 | 256                    |
| Part No. (silver)                                 |                   | 55506600192         | 55506260192         | 55506360192         | 55506460192            |

## Gas boiler GS

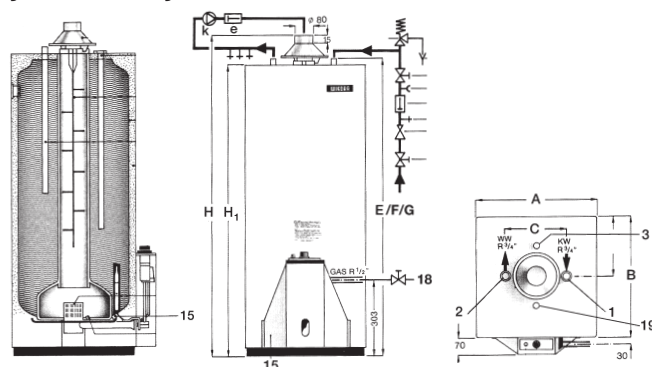
### Application

Gas

### Standard design

- Enamelling in certified quality according to DIN 4753, part 3-6
- Heating water is via atmospheric burner
- With push-button control and piezo electric ignition, thermoelectric safety pilot, safety temperature controller and limiter
- All appliances are available for natural gas group E, LL and propane
- Colour white, further colours on demand
- **Delivery without attachments**

**5 years warranty**



| Article                                    |     |         | GS 117 E | GS 152 E | GS 192 E |
|--------------------------------------------|-----|---------|----------|----------|----------|
| Produkt-ID.-No.                            |     | CE-0085 | AP 0789  | AP 0790  | AP 0791  |
| Capacity (act.) according to DIN EN 12897  |     | litre   | 111      | 142      | 185      |
| Max. working pressure                      |     | bar     | 10       | 10       | 10       |
| Distance DHW-connections                   | C   | mm      | 224      | 224      | 224      |
| Height cold water and hot water connection | E/F | mm      | 1140     | 1396     | 1713     |
| Height circulation                         | G   | mm      | 1140     | 1396     | 1713     |
| Diameter flue gas pipe                     |     | mm      | 80       | 80       | 80       |
| <b>Connections</b>                         |     |         |          |          |          |
| Cold water/hot water                       | 1/2 | Ga      | 3/4      | 3/4      | 3/4      |
| Circulation                                | 3   | Ga      | 3/4      | 3/4      | 3/4      |
| Drain                                      | 17  | Gi      | 1/2      | 1/2      | 1/2      |
| Gas connection                             | 18  | Gi      | 1/2      | 1/2      | 1/2      |
| Anode                                      | 19  | Gi      | 3/4      | 3/4      | 3/4      |
| Exchange container Part No.                |     |         | 11832    | 11833    | 11834    |
| <b>Burner unit</b>                         |     |         |          |          |          |
| Natural gas Group E Part No.               |     |         | 039550   | 039550   |          |
| Natural gas Group L Part No. .             |     |         | 039551   | 039551   |          |
| Natural gas Group E/LL Part No. .          |     |         |          |          | 039527   |
| Liquid gas Part No. .                      |     |         | 039528   | 039530   | 039529   |
| <b>Gas regulating valve Eurositt</b>       |     |         |          |          |          |
| Natural gas Part No. .                     |     |         | 039509   | 039509   | 039509   |
| Liquid gas Part No. .                      |     |         | 039508   | 039508   | 039508   |
| Mounting angle Part No.                    |     |         | 039516   | 039516   | 03916    |
| Emissions monitoring Part No. .            |     |         | 039582   | 039582   | 039582   |
| Flow security Part No. .                   |     |         | 039270   | 039270   | 039270   |

## DHW buffer tank WPS

### 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 (150 to 500 l) for energy efficiency class B or C

Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l



WPS 505

### 5 years warranty

| Article                            |       | WPS 155 | WPS 205 | WPS 306<br>[WPS 305] | WPS 406<br>[WPS 405] | WPS 506<br>[WPS 505] | WPS 506/650 |
|------------------------------------|-------|---------|---------|----------------------|----------------------|----------------------|-------------|
| Capacity according to DIN EN 12897 | litre | 153     | 201     | 300                  | 431                  | 500                  | 500         |
| Max. working temperature           | °C    | 95      | 95      | 95                   | 95                   | 95                   | 95          |
| Max. working pressure              | bar   | 10      | 10      | 10                   | 10                   | 10                   | 10          |
| Insulation                         | mm    | 80      | 80      | 100 [80]             | 120 [80]             | 120 [80]             | 120         |
| Energy loss                        | Watt  | 53      | 54      | 67 [82]              | 73 [99]              | 78 [109]             | 78          |
| Energy efficiency class            |       | B       | B       | B [C]                | B [C]                | B [C]                | B           |

### Dimensions

|                                 |     |    |      |      |             |             |             |      |
|---------------------------------|-----|----|------|------|-------------|-------------|-------------|------|
| Diameter incl. insulation       | D   | mm | 660  | 660  | 700 [660]   | 840 [760]   | 840 [760]   | 890  |
| Diameter tank                   | d   | mm | 500  | 500  | 500         | 600         | 600         | 650  |
| Height cold water connection    | E/T | mm | 215  | 215  | 215         | 250         | 250         | 219  |
| Height hot water connection     | F/S | mm | 668  | 912  | 1422        | 1420        | 1690        | 1384 |
| Height circulation              | G   | mm | 465  | 620  | 910         | 910         | 1121        | 1117 |
| Height storage tank             | H   | mm | 970  | 1215 | 1740        | 1730        | 1990        | 1728 |
| Tilting dimension               | W   | mm | 1150 | 1172 | 1770 [1650] | 1760 [1696] | 2055 [1946] | 1700 |
| Height flange                   | O   | mm | 290  | 290  | 290         | 335         | 335         | 325  |
| Height plug for electric heater | R   | mm | 612  | 648  | 958         | 960         | 1171        | 964  |
| Height draining                 | B   | mm | 105  | 105  | 105         | 145         | 145         | 136  |

### Connections

|                             |     |    |     |     |     |     |     |     |
|-----------------------------|-----|----|-----|-----|-----|-----|-----|-----|
| Cold water/hot water        | 1/2 | Ga | 5/4 | 5/4 | 5/4 | 6/4 | 6/4 | 6/4 |
| Circulation                 | 3   | Ga | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| Load circuit flow/return    | 8/9 | Ga | 5/4 | 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 | 6/4 |
| Flange                      | 14  | NW | 116 | 116 | 116 | 116 | 116 | 116 |
| Sensor tubes                | 15  | mm | 10  | 10  | 10  | 10  | 10  | 10  |
| Thermometer                 | 16  |    | •   | •   | •   | •   | •   | •   |
| Anode                       | 19  | Ga | 5/4 | 5/4 | 5/4 | 5/4 | 5/4 | 5/4 |
| Weight (without insulation) |     | kg | 100 | 105 | 80  | 130 | 160 | 160 |

### Energy efficiency class B

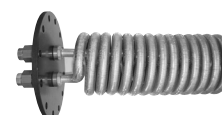
|                   |             |             |             |             |             |             |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Part No. (white)  | 42155000191 | 42205000191 | 42306000191 | 42406000191 | 42506000191 |             |
| Part No. (silver) | 42155000192 | 42205000192 | 42306000192 | 42406000192 | 42506000192 | 42506600192 |

### Energy efficiency class C

|                   |  |  |             |             |             |  |
|-------------------|--|--|-------------|-------------|-------------|--|
| Part No. (white)  |  |  | 42305000191 | 42405000191 | 42505000191 |  |
| Part No. (silver) |  |  | 42305000192 | 42405000192 | 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.

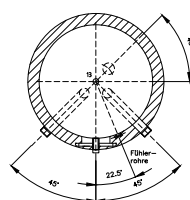
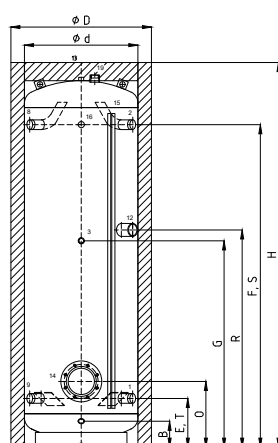


| Type     | Heating area<br>ca. m² | ca. mm | Installation<br>depth mm | Connection<br>thread | approx. performance 10/45 |          |          |          | Part No. | Euro      |
|----------|------------------------|--------|--------------------------|----------------------|---------------------------|----------|----------|----------|----------|-----------|
|          |                        |        |                          |                      | 55 °C kW                  | 70 °C kW | 80 °C kW | 90 °C kW |          |           |
| WTN 13 S | 1,30                   | 140    | 430                      | R ¾                  | 7                         | 16       | 22       | 28       | 400394   | On demand |
| WTN 18 S | 1,80                   | 170    | 450                      | R ¾                  | 10                        | 22       | 33       | 42       | 400762   | On demand |
| WTT 23 S | 2,30                   | 180    | 510                      | R 1                  | 13                        | 30       | 42       | 53       | 400764   | On demand |
| WTT 27 S | 2,70                   | 180    | 530                      | R 1                  | 17                        | 36       | 52       | 70       | 400766   | On demand |
| WTT 31 S | 3,10                   | 180    | 560                      | R 1                  | 20                        | 42       | 61       | 77       | 400768   | On demand |
| WTT 46 S | 4,60                   | 180    | 790                      | R 1                  | 23                        | 52       | 72       | 90       | 400770   | On demand |

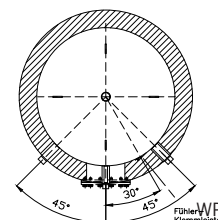
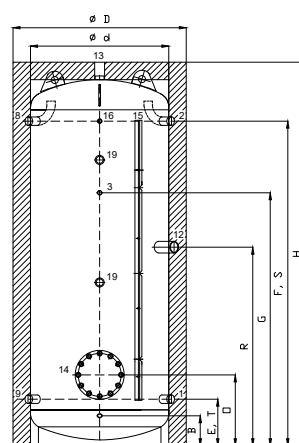
Remark: Please consider the installation depth in relation to the tank diameter

Crew-in heaters and electric heating flanges on page 41

Ga = male thread, Gi = female thread  
[ ] = Data for energy efficiency class C



WPS 305



WPS 805

| Article                            |       |    | WPS 805     | WPS 1005    | WPS 1505    | WPS 2005    | WPS 3005    |
|------------------------------------|-------|----|-------------|-------------|-------------|-------------|-------------|
| Capacity according to DIN EN 12897 | litre |    | 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]       | C           | C           | C           |
| <b>Dimensions</b>                  |       |    |             |             |             |             |             |
| 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         | -           | -           | -           |
| <b>Connections</b>                 |       |    |             |             |             |             |             |
| 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           |
| Vent                               | 13    | Gi | 5/4         | 5/4         | 5/4         | 5/4         | 5/4         |
| Flange                             | 14    | NW | 205         | 205         | 205         | 205         | 205         |
| Sensor clamp                       | 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 |
| <b>Energy efficiency class B</b>   |       |    |             |             |             |             |             |
| Part No. insulation (white)        |       |    | 11820       | 11822       |             |             |             |
| Part No. insulation (silver)       |       |    | 11821       | 11823       |             |             |             |
| <b>Energy efficiency class C</b>   |       |    |             |             |             |             |             |
| Part No. insulation (white)        |       |    | 11435       | 11437       | 11457       | 11459       | 10832       |
| Part No. insulation (silver)       |       |    | 11436       | 11438       | 11458       | 11460       | 10833       |

## 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 (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**



WPH 805

| Article                                   |       | WPH 155  | WPH 205  | WPH 306<br>[WPH 305] | WPH 406<br>[WPH 405] | WPH 506<br>[WPH 505] | WPH 506/650<br>[WPH 505/650] |
|-------------------------------------------|-------|----------|----------|----------------------|----------------------|----------------------|------------------------------|
| Capacity (act.) according to DIN EN 12897 | litre | 153      | 201      | 300                  | 431                  | 500                  | 500                          |
| Max. working temperature                  | °C    | 95       | 95       | 95                   | 95                   | 95                   | 95                           |
| Max. working pressure                     | bar   | 3        | 3        | 3                    | 3                    | 3                    | 3                            |
| Insulation                                | mm    | 80       | 80       | 100 [80]             | 120 [80]             | 120 [80]             | 120 [80]                     |
| Energy loss                               | Watt  | 55       | 59       | 67 [82]              | 73 [99]              | 78 [107]             | 78 [107]                     |
| <b>Energy efficiency class</b>            |       | <b>B</b> | <b>B</b> | <b>B [C]</b>         | <b>B [C]</b>         | <b>B [C]</b>         | <b>B [C]</b>                 |

### Dimensions

|                           |       |    |           |            |             |             |             |             |
|---------------------------|-------|----|-----------|------------|-------------|-------------|-------------|-------------|
| Diameter incl. insulation | D     | mm | 660       | 660        | 700 [660]   | 840 [760]   | 840 [760]   | 890 [810]   |
| Diameter tank             | d     | mm | 500       | 500        | 500         | 600         | 600         | 650         |
| Height storage tank       | H     | mm | 970       | 1215       | 1740        | 1730        | 1990        | 1728        |
| Tilting dimension         | W     | mm | 915       | 1120       | 1665        | 1660        | 1900        | 1661        |
| Height aux boiler flow    | K (K) | mm | 884 (656) | 1128 (900) | 1641 (1413) | 1635 (1395) | 1895 (1655) | 1633 (1384) |
| Height aux boiler return  | L     | mm | 445       | 567        | 1020        | 1018        | 1192        | 1010        |
| Height aux boiler return  | (L)   | mm | (-)       | (-)        | 626         | 642         | 728         | 630         |
| Height aux boiler return  | [L]   | mm | 233       | 233        | 233         | 265         | 265         | 254         |
| Height heating flow       | U     | mm | 445       | 567        | 1020        | 1018        | 1192        | 1010        |
| Height heating return     | V (V) | mm | - (233)   | - (233)    | 626 (233)   | 642 (265)   | 728 (265)   | 630 (254)   |

### Connections

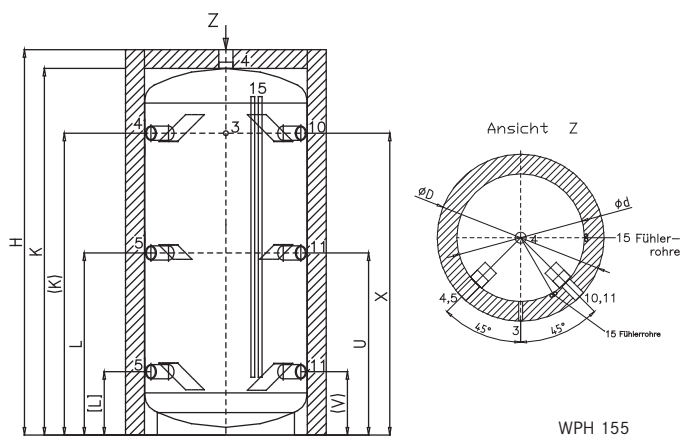
|                             |       |    |     |     |     |     |     |     |
|-----------------------------|-------|----|-----|-----|-----|-----|-----|-----|
| Thermometer                 | 3     |    | •   | •   | •   | •   | •   | •   |
| Aux boiler flow/return      | 4/5   | Gi | 6/4 | 6/4 | 6/4 | 6/4 | 6/4 | 6/4 |
| Heating circuit flow/return | 10/11 | Gi | 6/4 | 6/4 | 6/4 | 6/4 | 6/4 | 6/4 |
| Sensor tubes                | 15    | mm | 10  | 10  | 10  | 10  | 10  | 10  |
| Weight (without insulation) |       | kg | 47  | 54  | 70  | 81  | 89  | 89  |

### Energy efficiency class B

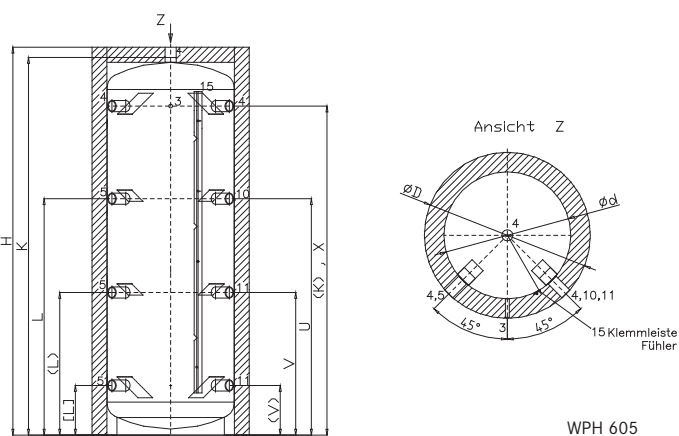
|                   |             |             |             |             |             |             |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Part No. (white)  | 41159000191 | 41209000191 | 41306000191 | 41406000191 | 41506000191 |             |
| Part No. (silver) | 41159000192 | 41209000192 | 41306000192 | 41406000192 | 41506000192 | 41506600192 |

### Energy efficiency class C

|                   |  |  |             |             |             |             |
|-------------------|--|--|-------------|-------------|-------------|-------------|
| Part No. (white)  |  |  | 41309000191 | 41409000191 | 41509000191 | 41509100191 |
| Part No. (silver) |  |  | 41309000192 | 41409000192 | 41509000192 | 41509100192 |



WPH 155



WPH 605

| Article                                   |       |    | WPH 605      | WPH 805      | WPH 1005/790 | WPH 1005/850 | WPH 1505    | WPH 2005    | WPH 3005    |
|-------------------------------------------|-------|----|--------------|--------------|--------------|--------------|-------------|-------------|-------------|
| Capacity (act.) 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         | -           |
| <b>Energy efficiency class</b>            |       |    | <b>B [C]</b> | <b>B [C]</b> | <b>B [C]</b> | <b>B [C]</b> | <b>C</b>    | <b>C</b>    | <b>C</b>    |
| <b>Dimensions</b>                         |       |    |              |              |              |              |             |             |             |
| 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)   |
| <b>Connections</b>                        |       |    |              |              |              |              |             |             |             |
| Thermometer                               | 3     |    | •            | •            | •            | •            | •           | •           | •           |
| Aux boiler flow/return                    | 4/5   | Gi | 6/4          | 6/4          | 6/4          | 6/4          | 2           | 2           | 2           |
| Heating circuit flow/return               | 10/11 | Gi | 6/4          | 6/4          | 6/4          | 6/4          | 2           | 2           | 2           |
| Sensor clamp                              | 15    |    | •            | •            | •            | •            | •           | •           | •           |
| Weight (without insulation)               |       | kg | 106          | 124          | 172          | 176          | 203         | 254         | 307         |
| Part No. storage tank                     |       |    | 41609000101  | 41809000101  | 41900900101  | 41100900101  | 41150900101 | 41200900101 | 41300900101 |
| <b>Energy efficiency class B</b>          |       |    |              |              |              |              |             |             |             |
| Part No. insulation (white)               |       |    | 11824        | 11826        | 11828        | 11830        |             |             |             |
| Part No. insulation (silver)              |       |    | 11825        | 11827        | 11829        | 11831        |             |             |             |
| <b>Energy efficiency class C</b>          |       |    |              |              |              |              |             |             |             |
| Part No. insulation (white)               |       |    | 11439        | 11441        | 11421        | 11443        | 11461       | 11463       | 10532       |
| Part No. insulation (silver)              |       |    | 11440        | 11442        | 11422        | 11444        | 11462       | 11464       | 10480       |

## 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 (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



WPRR

| 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 <sup>2</sup>    | 2,0       | 2,7       | 3,0          | 3,0          | 3,7      | 4,0      | 6,0      |
| Flow rate of heat exchanger               | m <sup>3</sup> /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]        | C            | C        | C        | 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)    | (L)   | mm | 730         | 700         | 740         | 720         | 740         | 720         | 930         |
| Height aux boiler return [L]    | [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 | 2   | 2   | 2   |
| Solar flow/return           | 6/7   | Gi  | 1   | 1   | 1   | 1   | 5/4 | 5/4 |
| Heating circuit flow/return | 10/11 | Gi  | 6/4 | 6/4 | 6/4 | 2   | 2   | 2   |
| Plug for electric heater    | 12    | Gi  | 6/4 | 6/4 | 6/4 | 2   | 2   | 2   |
| Sensor clamp                | 15    | •   | •   | •   | •   | •   | •   | •   |
| Weight (without insulation) | kg    | 132 | 169 | 213 | 213 | 254 | 314 | 387 |

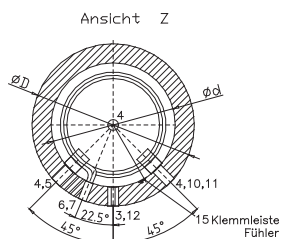
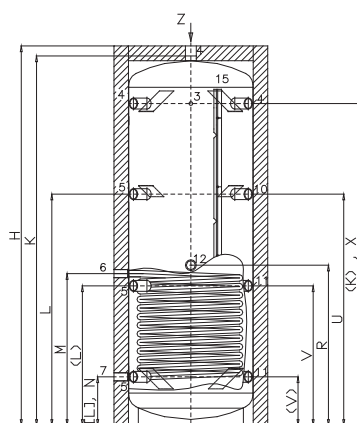
|                       |             |             |             |             |             |             |             |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Part No. storage tank | 47609100101 | 47809100101 | 47979100101 | 47100910101 | 47150900101 | 47200910101 | 47300910101 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|

### Energy efficiency class B

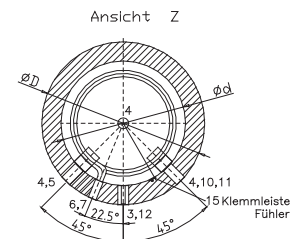
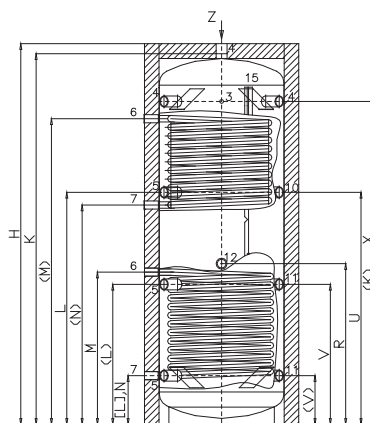
|                              |       |       |       |       |
|------------------------------|-------|-------|-------|-------|
| Part No. insulation (white)  | 11824 | 11826 | 11828 | 11830 |
| Part No. insulation (silver) | 11825 | 11827 | 11829 | 11831 |

### 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 |



WPRR 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 (lower/upper)   | 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 (lower/upper)    | m²    | 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                | m³/h  | 1,5       | 1,5       | 1,5           | 1,5           | 2,0       | 2,0       | 2,5       |
| Pressure loss heat exchanger (lower/upper) | 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]         | C         | C         | 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

|                             |       |    |     |     |     |     |     |     |     |
|-----------------------------|-------|----|-----|-----|-----|-----|-----|-----|-----|
| 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 |

## Buffer tank for instant DHW station

### Application

Gas, oil, pellets, wood heating, district heating, solar (WPR-FW)

### Standard design

- Universal basic tank with sensor clamp and thermometer
- Loading tube and stratification device for instant DHW station
- Fixing bolts for the installation of a mounting plate
- WPR-FW with solar heat exchanger
- Can be optionally upgraded with an electric heating element

### Insulation

Neopor/fleece-insulation (150 to 500 l) for energy efficiency class B or C

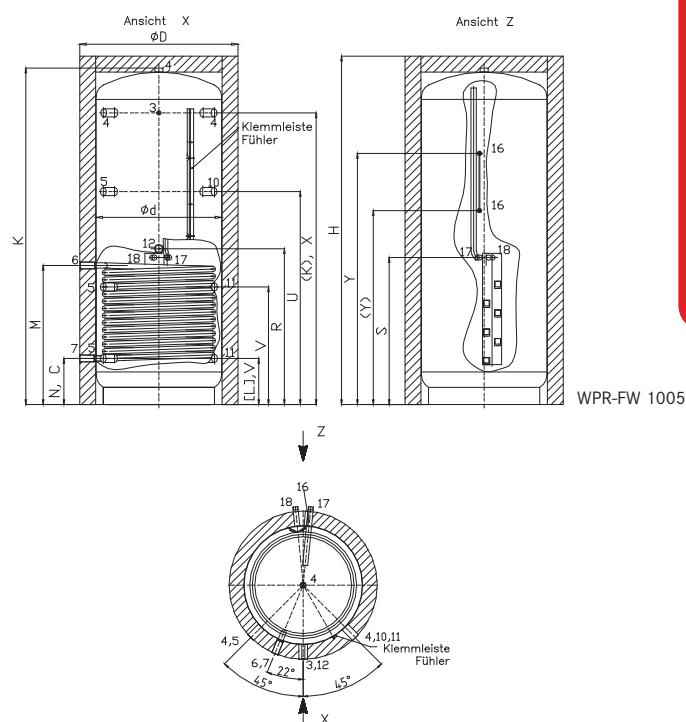
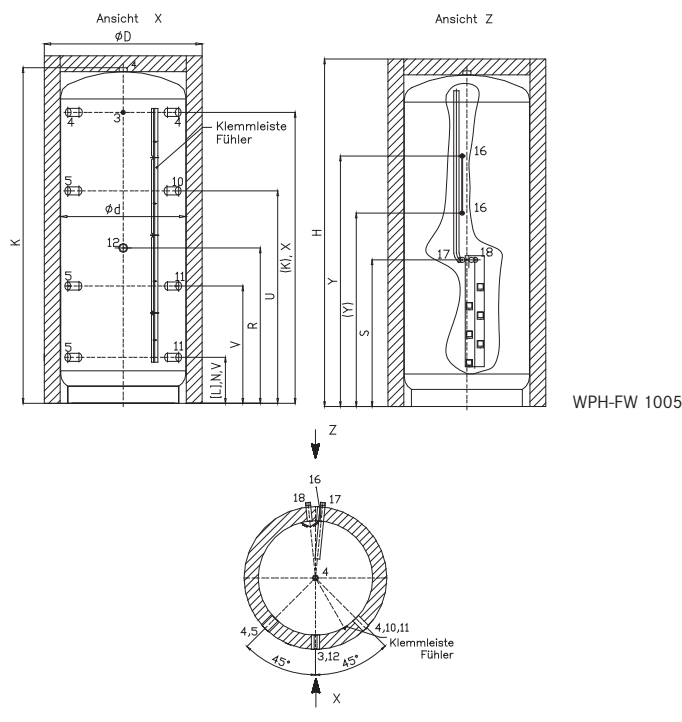
Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l

### 5 years warranty



WPR-FW 1005

| Article                                          |         |    | WPH-FW 805      | WPH-FW 1005     | WPR-FW 805      | WPR-FW 1005     |
|--------------------------------------------------|---------|----|-----------------|-----------------|-----------------|-----------------|
| Capacity (act.) according to DIN EN 12897 buffer | litre   |    | 830             | 983             | 825             | 978             |
| Max. working pressure buffer/HE solar            | bar     |    | 3               | 3               | 3 / 10          | 3 / 10          |
| Max. working temperature buffer/HE solar         | C°      |    | 95              | 95              | 95 / 160        | 95 / 160        |
| Capacity of heat exchanger solar                 | litre   |    | -               | -               | 18,0            | 20,0            |
| Heating area heat exchanger solar                | m²      |    | -               | -               | 2,7             | 3,0             |
| Flow rate of heat exchanger solar                | m³/h    |    | -               | -               | 1,5             | 1,5             |
| Pressure loss of heat exchanger solar            | mbar    |    | -               | -               | 90              | 95              |
| Insulation                                       |         |    | 140 [100]       | 150 [100]       | 140 [100]       | 150 [100]       |
| Energy loss                                      | Watt    |    | 86 [131]        | 92 [139]        | 90 [134]        | 96 [140]        |
| Energy efficiency class                          |         |    | B [C]           | B [C]           | B [C]           | B [C]           |
| <b>Dimensions</b>                                |         |    |                 |                 |                 |                 |
| Diameter incl. insulation                        | D       | mm | 1070 [990]      | 1090 [990]      | 1070 [990]      | 1090 [990]      |
| Diameter tank                                    | d       | mm | 790             | 790             | 790             | 790             |
| Height storage tank                              | H       | mm | 1880            | 2195            | 1880            | 2195            |
| Tilting dimension                                | W       | mm | 1845            | 2150            | 1845            | 2150            |
| Height aux boiler flow                           | K (K)   | mm | 1802 (1520)     | 2117 (1835)     | 1802 (1520)     | 2117 (1835)     |
| Height aux boiler return                         | L (L)/L | mm | 1020 (700) /290 | 1340 (740) /290 | 1020 (700) /290 | 1340 (740) /290 |
| Height solar flow                                | M       | mm | -               | -               | 830             | 875             |
| Height solar return                              | N       | mm | -               | -               | 290             | 290             |
| Height plug for electric heater                  | R       | mm | -               | -               | 980             | 980             |
| Height load circuit flow                         | S       | mm | 880             | 925             | 880             | 925             |
| Height load circuit return                       | T       | mm | 880             | 925             | 880             | 925             |
| Height heating flow                              | U       | mm | 1020            | 1340            | 1020            | 1340            |
| Height heating return                            | V (V)   | mm | 700 (290)       | 740 (290)       | 700 (290)       | 740 (290)       |
| Height fixing bolts DHW station                  | Y (Y)   | mm | 1535 (1175)     | 1580 (1220)     | 1535 (1175)     | 1580 (1220)     |
| <b>Connections</b>                               |         |    |                 |                 |                 |                 |
| Thermometer                                      | 3       |    | •               | •               | •               | •               |
| Aux boiler flow/return                           | 4/5     | Gi | 6/4             | 6/4             | 6/4             | 6/4             |
| Solar flow/return                                | 6/7     | Gi | -               | -               | 1               | 1               |
| Heating flow/return                              | 10/11   | Gi | 6/4             | 6/4             | 6/4             | 6/4             |
| Plug for electric heater                         | 12      | Gi | -               | -               | 6/4             | 6/4             |
| Sensor clamp                                     | 15      |    | •               | •               | •               | •               |
| Fixing bolts DHW station                         | 16      | M8 | •               | •               | •               | •               |
| DHW station flow                                 | 17      | Ga | 1               | 1               | 1               | 1               |
| DHW station return                               | 18      | Ga | 1               | 1               | 1               | 1               |
| Weight (without insulation)                      |         | kg | 128             | 176             | 173             | 258             |
| Part No. storage tank                            |         |    | 41729000101     | 41979000101     | 42729000101     | 47979000101     |
| <b>Energy efficiency class B</b>                 |         |    |                 |                 |                 |                 |
| Part No. insulation (white)                      |         |    | 11826           | 11828           | 11826           | 11828           |
| Part No. insulation (silver)                     |         |    | 11806           | 11829           | 11806           | 11829           |
| <b>Energy efficiency class C</b>                 |         |    |                 |                 |                 |                 |
| Part No. insulation (silver)                     |         |    | 11442           | 11422           | 11442           | 11422           |



## Accessories buffer tanks for instant DHW station

## Electronically regulated instant DHW station

Part No.

With EPP-casing, wall mounting fixtures, HE pump and integrated circulation control. DHW circulation optional. Free selection of DHW temperature.

|  |                                                                                   |        |
|--|-----------------------------------------------------------------------------------|--------|
|  | <b>FriWaSt 8032C HE</b><br>For a DHW flow rate of up to 25 l/min - 50°C hot water | 400956 |
|  | <b>FriWaSt 8033C HE</b><br>For a DHW flow rate of up to 40 l/min - 50°C hot water | 400957 |
|  | <b>Circulation set electronically regulated instant DHW station</b>               | 400961 |

## Hydraulically regulated instant DHW station

Part No.

With EPP-casing, wall mounting fixtures and HE pump. DHW circulation optional.  
The buffer flow temperature is limited to + 60°. It is not necessary to set the controller.

|  |                                                                                   |        |
|--|-----------------------------------------------------------------------------------|--------|
|  | <b>FriWaSt 26/17 HE</b><br>For a DHW flow rate of up to 26 l/min – 60°C hot water | 400953 |
|  | <b>FriWaSt 36/23 HE</b><br>For a DHW flow rate of up to 36 l/min – 60°C hot water | 400954 |
|  | <b>FriWaSt 41/27 HE</b><br>For a DHW flow rate of up to 41 l/min – 60°C hot water | 400955 |
|  | <b>Circulation set hydraulically regulated instant DHW station</b>                | 400959 |

## Connection and mounting accessories

Part No.

For the installation of the instant DHW station at the buffer tank. Consisting of mounting plate FriWa, 2 corrugated tubes with gasket and screw set. Suited for all standard instant DHW stations with the following connection symmetry: load circuit flow lower left and load circuit return lower right.

|                                                                                     |                                            |        |
|-------------------------------------------------------------------------------------|--------------------------------------------|--------|
|  | <b>Connection and mounting accessories</b> | 400486 |
|-------------------------------------------------------------------------------------|--------------------------------------------|--------|

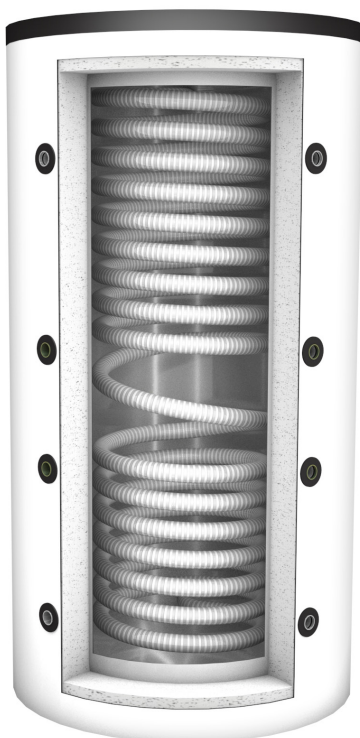
## Coupling

Part No.

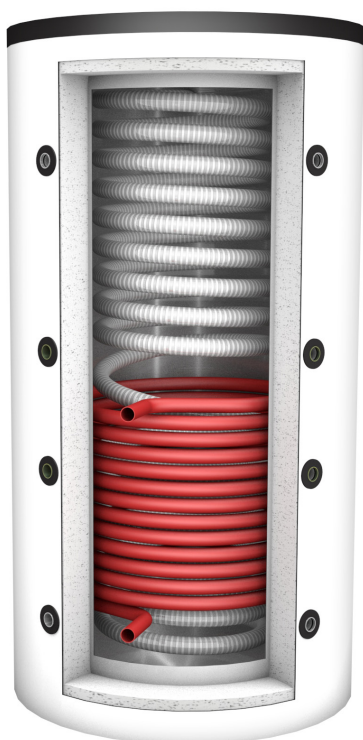
For the cascading of 2 hydraulically regulated instant DHW stations

|  |                      |        |
|--|----------------------|--------|
|  | Coupling DHW station | 400958 |
|--|----------------------|--------|

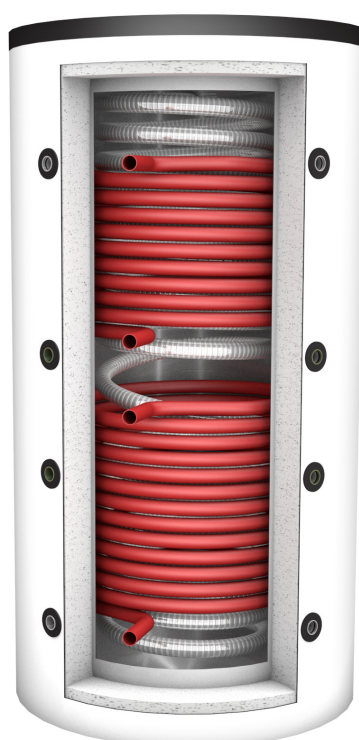
### Hygienic tank WIKOSOL



Wikosol-0



Wikosol-1



Wikosol-2

## Hygienic tank WIKOSOL

### 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 (150 to 500 l) for energy efficiency class B or C

Neopor/fleece-insulation (600 to 2000 l), fleece-insulation for 3000 l

WIKOSOL 605-2



### 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            |
| <b>Energy efficiency class</b>               |           | B [C]         | B [C]         | B [C]          | C              | 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 N<sub>L</sub> (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 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|

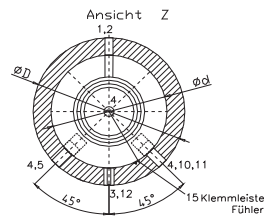
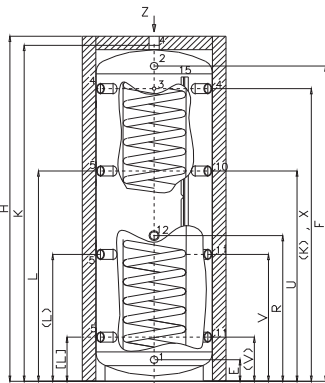
#### Energy efficiency class B

|                              |       |       |       |
|------------------------------|-------|-------|-------|
| Part No. insulation (white)  | 11824 | 11826 | 11828 |
| Part No. insulation (silver) | 11825 | 11827 | 11829 |

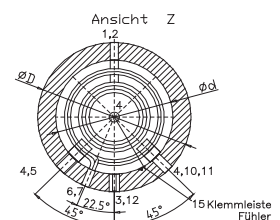
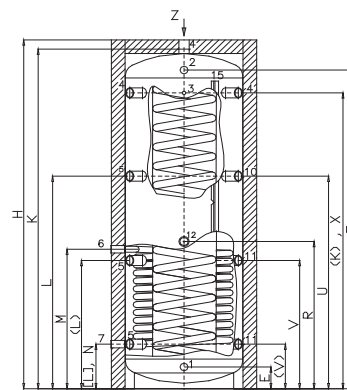
#### Energy efficiency class C

|                              |       |       |       |       |       |
|------------------------------|-------|-------|-------|-------|-------|
| 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                 | ca. 28/4,0    | ca. 32/5,5    | ca. 32/5,5     | ca. 45/8,0     | ca. 45/8,0     |
| Capacity/Heating area solar heat exchanger lower | Litre /m <sup>2</sup> | 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            |
| <b>Energy efficiency class</b>                   | B [C]                 | B [C]         | B [C]         | C              | C              | 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               | m <sup>3</sup> /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               | m <sup>3</sup> /h | 1,5  | 1,7  | 1,9  | 1,3  | 2,5  |

## Key performance indicator N<sub>L</sub> (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         | 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 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|

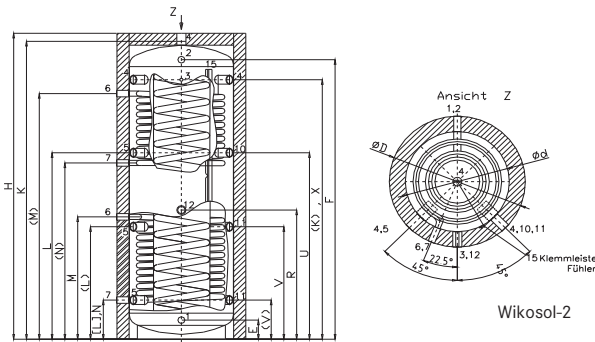
## Energy efficiency class B

|                              |       |       |       |
|------------------------------|-------|-------|-------|
| Part No. insulation (white)  | 11824 | 11826 | 11828 |
| Part No. insulation (silver) | 11825 | 11827 | 11829 |

## Energy efficiency class C

|                              |       |       |       |       |       |
|------------------------------|-------|-------|-------|-------|-------|
| Part No. insulation (white)  | 11439 | 11441 | 11421 | 11461 | 11463 |
| Part No. insulation (silver) | 11440 | 11442 | 11422 | 11462 | 11464 |

# Combi buffer tanks



Ga = male thread, Gi = female thread  
[ ] = Data for energy efficiency class C

| 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                 | ca. 28/4,0    | ca. 32/5,5    | ca. 32/5,5     | ca. 45/8,0     | ca. 45/8,0     |
| Capacity/Heating area solar heat exchanger lower | Litre /m <sup>2</sup> | 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            |
| <b>Energy efficiency class</b>                   |                       | B [C]         | B [C]         | B [C]          | C              | 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               | m <sup>3</sup> /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               | m <sup>3</sup> /h | 1,5  | 1,7  | 1,9  | 1,3  | 2,5  |

**Key performance indicator N<sub>L</sub>** (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 |

## Energy efficiency class C

|                              |       |       |       |       |       |
|------------------------------|-------|-------|-------|-------|-------|
| Part No. insulation (white)  | 11439 | 11441 | 11421 | 11461 | 11463 |
| Part No. insulation (silver) | 11440 | 11442 | 11422 | 11462 | 11464 |

## 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 (400 bis 1000 l) for energy efficiency class B or C

### 5 years warranty



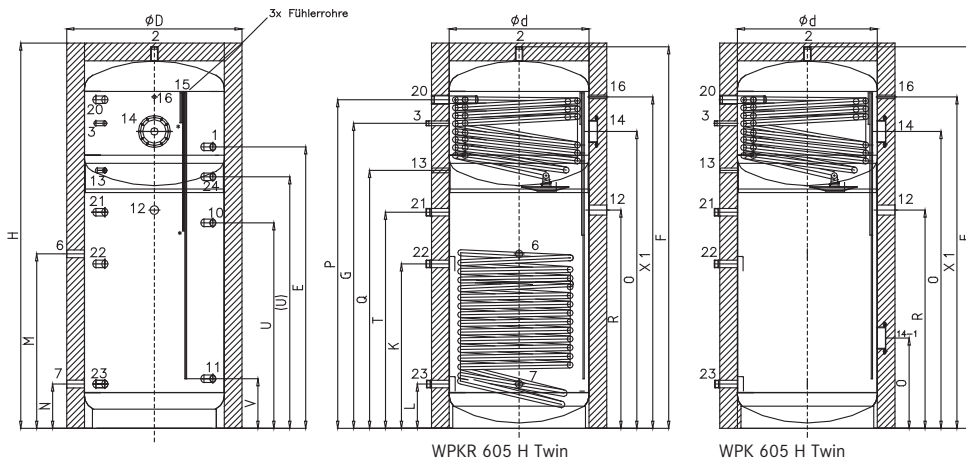
WPKR 605 H Twin

| Article                                              |                   | WPK 406 H Twin | 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             | 442/277        | 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           | 79/61            |
|                                                      | l/h BW            | 1958/1065      | 1958/1065      | 1958/1065       | 1958/1065       | 1958/1065        |
|                                                      | l/h HZ            | 3420/2580      | 3420/2580      | 3420/2580       | 3420/2580       | 3420/2580        |
|                                                      | NL                | 7,0            | 7,0            | 7,0             | 7,0             | 7,0              |
| Continuous output hot water 45 °C, VL 50/43 °C       | kW                | 27             | 27             | 27              | 27              | 27               |
|                                                      | l/h BW            | 688            | 688            | 688             | 688             | 688              |
|                                                      | l/h HZ            | 3420           | 3420           | 3420            | 3420            | 3420             |
|                                                      | N <sub>L</sub>    | 5,1            | 5,1            | 5,1             | 5,1             | 5,1              |
| Max. working temperature heating/DHW/HE-DHW/HE-solar | °C                | 95/95          | 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           | 3/10/3         | 3/10/3/10       | 3/10/3/10       | 3/10/3/10        |
| Capacity of heat exchanger DHW                       | litre             | 12             | 12             | 12              | 12              | 12               |
| Capacity of heat exchanger solar                     | litre             | -              | -              | 13              | 17,5            | 20               |
| Heating area heat exchanger DHW                      | m <sup>2</sup>    | 3,2            | 3,2            | 3,2             | 3,2             | 3,2              |
| Heating area heat exchanger solar                    | m <sup>2</sup>    | -              | -              | 1,9             | 2,5             | 3                |
| Flow rate of heat exchanger DHW                      | m <sup>3</sup> /h | 2,5            | 2,5            | 2,5             | 2,5             | 2,5              |
| Flow rate of heat exchanger solar                    | m <sup>3</sup> /h | -              | -              | 1,5             | 1,5             | 1,5              |
| Pressure loss of heat exchanger DHW                  | mbar              | 105            | 105            | 105             | 105             | 105              |
| Pressure loss of heat exchanger solar                | mbar              | -              | -              | 70              | 90              | 95               |
| Insulation                                           | mm                | 120 [100]      | 130 [100]      | 130 [100]       | 140 [100]       | 150 [100]        |
| Energy loss                                          | Watt              | 77 [84]        | 84 [121]       | 84 [121]        | 94 [133]        | 100 [143]        |
| <b>Energy efficiency class</b>                       |                   | B [C]          | B [C]          | B [C]           | B [C]           | B [C]            |

### Dimensions

|                                      |       |    |           |           |           |            |             |
|--------------------------------------|-------|----|-----------|-----------|-----------|------------|-------------|
| Diameter incl. insulation            | D     | mm | 890 [850] | 910 [850] | 910[850]  | 1030 [950] | 1090 [990]  |
| Diameter tank                        | d     | mm | 650       | 650       | 650       | 750        | 790         |
| Height cold water connection         | E     | mm | 579       | 1070      | 1070      | 1322       | 1589        |
| Height hot water connection          | F     | mm | 1506      | 1957      | 1957      | 1985       | 2154        |
| Height circulation hot water         | G     | mm | 919       | 1410      | 1410      | 1506       | 1722        |
| Height storage tank                  | H     | mm | 1535      | 1985      | 1985      | 2005       | 2175        |
| Tilting dimension                    | W     | mm | 1535      | 1980      | 1980      | 2016       | 2190        |
| Height aux boiler flow               | K     | mm | -         | 580       | 580       | 720        | 928         |
| Height aux boiler return             | L     | mm | 125       | 250       | 250       | 250        | 250         |
| Height solar flow                    | M     | mm | -         | -         | 770       | 836        | 985         |
| Height solar return                  | N     | mm | -         | -         | 250       | 250        | 250         |
| Height flange                        | O     | mm | 729       | 350/1220  | 1220      | 1460       | 1676        |
| Height heat exchanger connection DHW | P     | mm | 1077      | 1568      | 1568      | 1689       | 1855        |
| Height vent                          | Q     | mm | 426       | 917       | 917       | 1187       | 1456        |
| Height plug for electric heater      | R     | mm | 264       | 708       | 650       | 980        | 1250        |
| Height heat source return            | T     | mm | 264       | 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 | 1009      | 1500      | 1500      | 1660       | 1871        |
| Weight (without insulation)          |       | kg | 157       | 235       | 235       | 263        | 307         |

# Combi buffer tanks



| Bezeichnung                                  |       | WPK 406 H Twin | WPK 605 H Twin | WPKR 605 H Twin | WPKR 805 H Twin | WPKR 1005 H Twin |
|----------------------------------------------|-------|----------------|----------------|-----------------|-----------------|------------------|
| <b>Connections</b>                           |       |                |                |                 |                 |                  |
| Cold water/hot water                         | 1/2   | Ga/ Gi 1       | 1              | 1               | 1               | 1                |
| Circulation                                  | 3     | Ga 3/4         | 3/4            | 3/4             | 3/4             | 3/4              |
| Solar flow/return                            | 6/7   | Gi 1           | 1              | 1               | 1               | 1                |
| Heating flow/return                          | 10/11 | Ga 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              |
| Vent                                         | 13    | Gi 1/2         | 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             | 5/4              |
| Inspection flange                            | 14-1  | mm 180         | 180            |                 |                 |                  |
| Sensor tubes (*closed at the bottom)         | 15    | mm 14          | 14             | 14              | 14              | 14               |
| Thermometer bushing                          | 16    | mm 20          | 20             | 20              | 20              | 20               |
| Heat source DHW flow/return                  | 20/21 | Gi/ Ga 5/4     | 5/4            | 5/4             | 5/4             | 5/4              |
| Heat source heating flow/return              | 22/23 | Ga 5/4         | 5/4            | 5/4             | 5/4             | 5/4              |
| Reserve heating                              | 24    | Ga 5/4         | 5/4            | 5/4             | 5/4             | 5/4              |
| Part No. storage tank                        |       | 47440110101    | 47460110101    | 47609400101     | 47809400101     | 47100940101      |
| <b>Energy efficiency class B</b>             |       |                |                |                 |                 |                  |
| Part No. insulation (white)                  |       | 11653          | 11988          | 11989           | 11990           | 11991            |
| <b>Energy efficiency class C</b>             |       |                |                |                 |                 |                  |
| Part No. insulation (white)                  |       | 11792          | 10693          | 10026           | 10692           | 10691            |

## Tank-in-tank system WPKR Twin

### Application

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

### Standard design

- Buffer tank with straight-tube heat exchanger and integrated DHW storage tank incl. straight-tube heat exchanger, Mg-anode and flange, DHW storage tank with enamelling in certified quality according to DIN 4753, part 3-6, buffer tank internal bare
- Thermometer socket, sensor socket 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

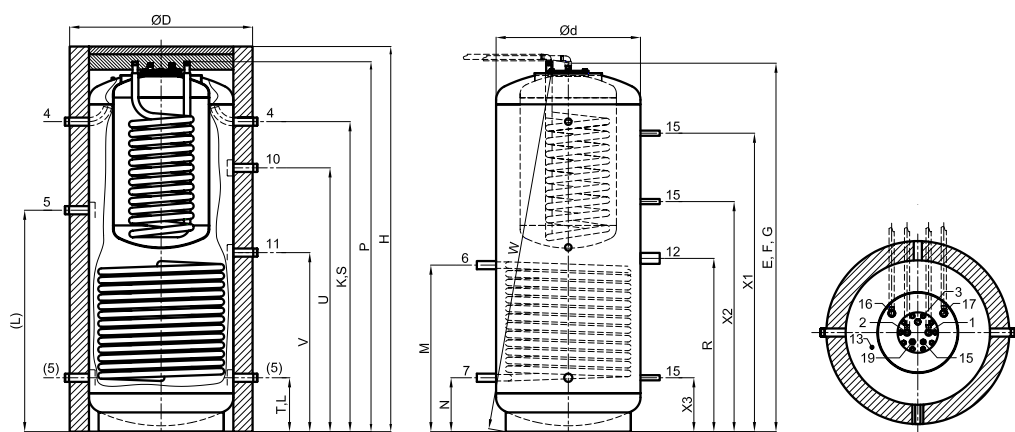


WPKR 1000 TWIN

| Article                                                 |                   | WPKR 600 Twin | WPKR 750 Twin | WPKR 1000 Twin |
|---------------------------------------------------------|-------------------|---------------|---------------|----------------|
| Capacity buffer/DHW (act.) according to DIN EN 12897    | litre             | 596/119       | 724/157       | 922/157        |
| Key performance indicator $N_L$ (according to DIN 4708) | NL                | 1,9           | 3,2           | 3,2            |
| Continuous output hot water 45°C/90°C                   | l/h (kW)          | 880 (35,2)    | 1100 (44,7)   | 1100 (44,7)    |
| Continuous output hot water 60°C/90°C                   | l/h (kW)          | 525 (30,5)    | 660 (38,3)    | 660 (38,3)     |
| Max. working temperature heating/DHW/HE-DHW/HE-solar    | °C                | 95/95/160     | 95/95/160     | 95/95/160      |
| Max. working pressure heating/DHW/HE-DHW/HE-solar       | bar               | 3/10/10       | 3/10/10       | 3/10/10        |
| Capacity of heat exchanger DHW                          | litre             | 5,7           | 7,4           | 7,4            |
| Capacity of heat exchanger solar                        | litre             | 14            | 18            | 20             |
| Heating area DHW                                        | m <sup>2</sup>    | 1,3           | 1,6           | 1,6            |
| Heating area heat exchanger DHW                         | m <sup>2</sup>    | 1,0           | 1,3           | 1,3            |
| Heating area heat exchanger solar                       | m <sup>2</sup>    | 2,1           | 2,7           | 3,0            |
| Flow rate of heat exchanger DHW                         | m <sup>3</sup> /h | 2,5           | 2,5           | 2,5            |
| Flow rate of heat exchanger solar                       | m <sup>3</sup> /h | 1,5           | 1,5           | 1,5            |
| Pressure loss of heat exchanger DHW                     | mbar              | 75            | 105           | 105            |
| Pressure loss of heat exchanger solar                   | mbar              | 70            | 90            | 95             |
| Insulation                                              | mm                | 130 [100]     | 140 [100]     | 150 [100]      |
| Energy loss                                             | Watt              | 76 [119]      | 86 [129]      | 100 [143]      |
| <b>Energy efficiency class</b>                          |                   | B [C]         | B [C]         | B [C]          |

### Dimensions

|                                      |       |    |            |            |             |
|--------------------------------------|-------|----|------------|------------|-------------|
| Diameter incl. insulation            | D     | mm | 1010 [950] | 1030 [950] | 1150 [1050] |
| Diameter tank                        | d     | mm | 750        | 750        | 850         |
| Height cold water connection         | E     | mm | (1620)     | (1940)     | (1920)      |
| Height hot water connection          | F     | mm | (1620)     | (1940)     | (1920)      |
| Height circulation hot water         | G     | mm | (1620)     | (1940)     | (1920)      |
| Height storage tank                  | H     | mm | 1730       | 2000       | 1980        |
| Tilting dimension                    | W     | mm | 1660       | 1950       | 1950        |
| Height aux boiler flow               | K     | mm | 1310       | 1610       | 1590        |
| Height aux boiler return             | L (L) | mm | 280 (850)  | 280 (1150) | 280 (1150)  |
| Height solar flow                    | M     | mm | 685        | 865        | 865         |
| Height solar return                  | N     | mm | 280        | 280        | 280         |
| Height heat exchanger connection DHW | P     | mm | (1620)     | (1940)     | (1920)      |
| Height plug for electric heater      | R     | mm | 765        | 620        | 580         |
| Height load circuit flow             | S     | mm | 1310       | 1610       | 1590        |
| Height Heat source return            | T     | mm | 280        | 280        | 280         |
| Height heating flow                  | U     | mm | 1070       | 1370       | 1350        |
| Height heating return                | V     | mm | 630        | 930        | 950         |
| Height sensor socket 1               | X1    | mm | 1310       | 1550       | 1530        |
| Height sensor socket 2               | X2    | mm | 895        | 1195       | 1195        |
| Height sensor socket 3               | X3    | mm | 280        | 280        | 280         |
| Weight (without insulation)          |       | kg | 235        | 260        | 300         |



| Article                     |       |    | WPKR 600 Twin | WPKR 750 Twin | WPKR 1000 Twin |
|-----------------------------|-------|----|---------------|---------------|----------------|
| Connections                 |       |    |               |               |                |
| Cold water/hot water        | 1/2   | Ga | 3/4           | 3/4           | 3/4            |
| Circulation                 | 3     | Ga | 3/4           | 3/4           | 3/4            |
| Aux boiler flow/return      | 4/5   | Ga | 5/4           | 5/4           | 5/4            |
| Solar flow/return           | 6/7   | Gi | 1             | 1             | 1              |
| Heating flow/return         | 10/11 | Ga | 5/4           | 5/4           | 5/4            |
| Plug for electric heater    | 12    | Gi | 6/4           | 6/4           | 6/4            |
| Vent                        | 13    | Gi | 1/8           | 1/8           | 1/8            |
| Flange DHW                  | 14    | NW | 142           | 142           | 142            |
| Sensor socket               | 15    | Gi | 1/2           | 1/2           | 1/2            |
| Heat exchanger DHW          | 16/17 | Ga | 3/4           | 3/4           | 3/4            |
| Anode                       | 19    | Gi | 1             | 1             | 1              |
| Part No. storage tank       |       |    | 47488000101   | 47528000101   | 47776000101    |
| Energy efficiency class B   |       |    |               |               |                |
| Part No. insulation (white) |       |    | 11992         | 11993         | 11994          |
| Energy efficiency class C   |       |    |               |               |                |
| Part No. insulation (white) |       |    | 11446         | 11447         | 11448          |

## Tank-in-tank system WPK/WPKR

### Application

Gas, oil, pellets, district heating, wood heating, solar (WPKR)

### Standard design

- Buffer tank WPKR with one straight-tube heat exchanger and integrated DHW storage tank incl. Mg-anode and flange, DHW storage tank with enamelling in certified quality according to DIN 4753, part 3-6, buffer tank internal bare
- Thermometer socket, sensor socket and plug for electric heater
- Can be optionally upgraded with an electric heating element

### Insulation

Neopor/fleece-insulation

### 5 years warranty

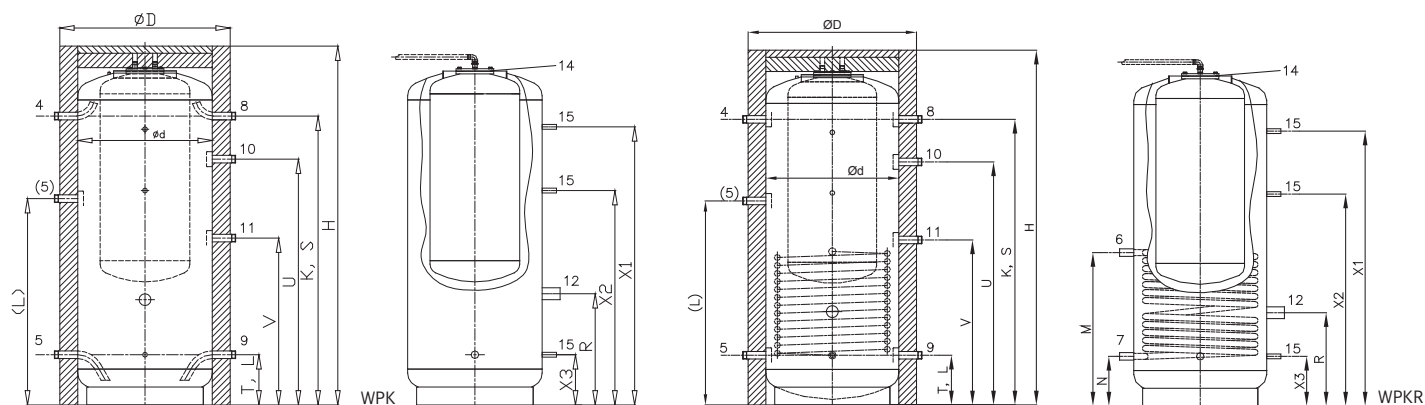


WPKR 1000

| Article                                                   |                   | WPK 750   | WPK 1000  | WPKR 750  | WPKR 1000 |
|-----------------------------------------------------------|-------------------|-----------|-----------|-----------|-----------|
| Capacity buffer/DHW (act.) according to DIN EN 12897      | litre             | 750/201   | 950/201   | 724/201   | 922/201   |
| Key performance indicator N <sub>L</sub> acc. to DIN 4708 | N <sub>L</sub>    | 2,9       | 2,9       | 2,9       | 2,9       |
| Max. working temperature buffer/DHW/HE                    | °C                | 95/95/-   | 95/95/-   | 95/95/160 | 95/95/160 |
| Max. pressure buffer/DHW/HE                               | bar               | 3/10/-    | 3/10/-    | 3/10/10   | 3/10/10   |
| Capacity of heat exchanger                                | l                 | -         | -         | 18        | 20        |
| Surface area DHW tank                                     | m <sup>2</sup>    | 2,0       | 2,0       | 2,0       | 2,0       |
| Surface of heat exchanger                                 | m <sup>2</sup>    | -         | -         | 2,7       | 3,0       |
| Flow rate of heat exchanger                               | m <sup>3</sup> /h | -         | -         | 5,0       | 5,0       |
| Pressure loss heat exchanger                              | mbar              | -         | -         | 340       | 380       |
| Insulation                                                | mm                | 140 [100] | 150 [100] | 140 [100] | 150 [100] |
| Energy loss                                               | Watt              | 86 [129]  | 100 [143] | 86 [129]  | 100 [143] |
| <b>Energy efficiency class</b>                            |                   | B [C]     | B [C]     | B [C]     | B [C]     |

### Dimensions

|                                 |    |    |            |             |            |             |
|---------------------------------|----|----|------------|-------------|------------|-------------|
| Diameter incl. insulation       | D  | mm | 1030 [950] | 1150 [1050] | 1030 [950] | 1030 [1050] |
| Diameter tank                   | d  | mm | 750        | 850         | 750        | 850         |
| Height storage tank             | H  | mm | 2000       | 1980        | 2000       | 1990        |
| Tilting dimension               | W  | mm | 1950       | 1950        | 1950       | 1950        |
| Height aux boiler flow          | K  | mm | 1610       | 1590        | 1610       | 1590        |
| Height aux boiler return        | L  | mm | 280 (1150) | 280 (1150)  | 280 (1150) | 280 (1150)  |
| Height solar flow               | M  | mm | -          | -           | 865        | 865         |
| Height solar return             | N  | mm | -          | -           | 280        | 280         |
| Height plug for electric heater | R  | mm | 620        | 580         | 620        | 580         |
| Height load circuit flow        | S  | mm | 1610       | 1590        | 1610       | 1590        |
| Height load circuit return      | T  | mm | 280        | 280         | 280        | 280         |
| Height heating flow             | U  | mm | 1370       | 1350        | 1370       | 1350        |
| Height heating return           | V  | mm | 930        | 950         | 930        | 950         |
| Height sensor socket 1          | X1 | mm | 1550       | 1530        | 1550       | 1530        |
| Height sensor socket 2          | X2 | mm | 1195       | 1195        | 1195       | 1195        |
| Height sensor socket 3          | X3 | mm | 280        | 280         | 280        | 280         |
| Weight (without insulation)     |    | kg | 200        | 230         | 240        | 280         |



| Article                     |       |    | WPK 750     | WPK 1000    | WPKR 750    | WPKR 1000   |
|-----------------------------|-------|----|-------------|-------------|-------------|-------------|
| Connections                 |       |    |             |             |             |             |
| Cold water/hot water        | 1/2   | Ga | 3/4         | 3/4         | 3/4         | 3/4         |
| Circulation                 | 3     | Ga | 3/4         | 3/4         | 3/4         | 3/4         |
| Aux boiler flow/return      | 4/5   | Ga | 5/4         | 5/4         | 5/4         | 5/4         |
| Solar flow/return           | 6/7   | Gi | -           | -           | 1           | 1           |
| Load flow/return            | 8/9   | Ga | 5/4         | 5/4         | 5/4         | 5/4         |
| 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 | 1/8         | 1/8         | 1/8         | 1/8         |
| Flange                      | 14    | NW | 142         | 142         | 142         | 142         |
| Sensor socket               | 15    | Gi | 1/2         | 1/2         | 1/2         | 1/2         |
| Anode                       | 19    | Gi | 3/4         | 3/4         | 3/4         | 3/4         |
| Part No. storage tank       |       |    | 47550100101 | 47800100101 | 47527100101 | 47775100101 |
| Energy efficiency class B   |       |    |             |             |             |             |
| Part No. insulation (white) |       |    | 11993       | 11994       | 11993       | 11994       |
| Energy efficiency class C   |       |    |             |             |             |             |
| Part No. insulation (white) |       |    | 11447       | 11448       | 11447       | 11448       |

# Chilled water buffer tanks

## 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

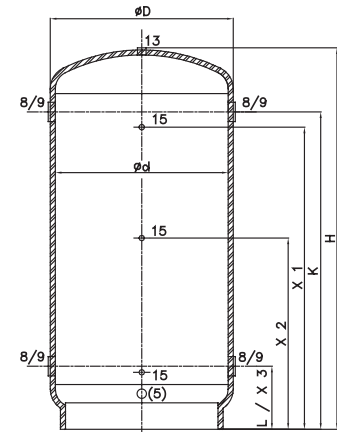
### Insulation

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

### 5 years warranty



WKS



| 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          |
| <b>Dimensions</b>                    |       |    |             |             |             |             |             |             |             |             |             |             |
| 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         |
| <b>Anschlüsse</b>                    |       |    |             |             |             |             |             |             |             |             |             |             |
| 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 |

Ga = male thread, Gi = female thread

## 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   |

# Chilled water buffer tanks

## Chilled water buffer tank WKS without thermal insulation

### Application

Heating and cooling

### Standard design

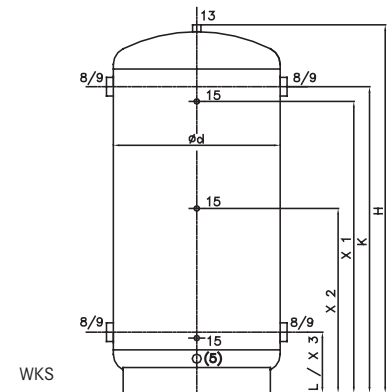
- 4 connections, sensor socket, drain and vent

### 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



| 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          |
| <b>Dimensions</b>                    |       |    |             |             |             |             |             |             |             |             |             |             |
| 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         |
| <b>Anschlüsse</b>                    |       |    |             |             |             |             |             |             |             |             |             |             |
| 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 |

Ga = male thread, Gi = female thread

## WIKOSUN Liquid Safe (LiSa)

### Application

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

### 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)

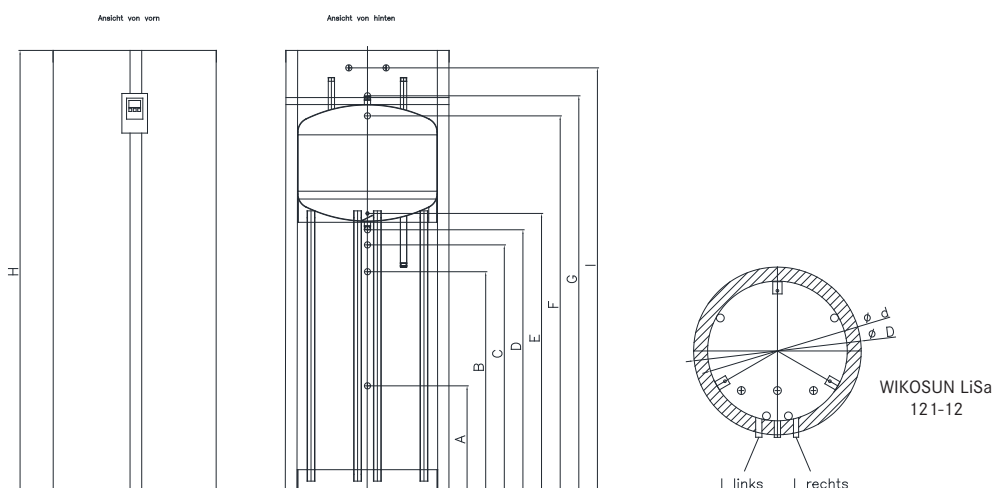
### 5 year warranty (excluding electrical components)

Patented novelty



WIKOSUN LiSa  
121-12

| 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                                        | mm             |    | Thermodul 60       | Thermodul 60        |
| <b>Dimensions</b>                                 |                |    |                    |                     |
| 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                |
| <b>Dimensions</b>                                 |                |    |                    |                     |
| 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 links        | mm | 1825               | 1825                |
| Solar return (cold)                               | I rechts       | mm | 1825               | 1825                |
| Weight (without glycol)                           | kg             |    | 61                 | 80                  |
| <b>Collector area*</b>                            |                |    |                    |                     |
| Max. Collector area at installation height 8m     | m <sup>2</sup> |    | 30                 | 30                  |
| Max. Collector surface at installation height 12m | m <sup>2</sup> |    | 14                 | 14                  |
| Max. Collector surface at installation height 14m | m <sup>2</sup> |    | 40                 | 40                  |
| Max. Collector surface at installation height 20m | m <sup>2</sup> |    | 20                 | 20                  |
| Part No. (white)                                  |                |    | 41044630191        | 41044650191         |



## Hydraulic switches WHW without insulation

- Flow capacity of up to 125 m³/h
- Made of steel with welded cap and end, inside bare, external corrosion proof lacquer, without insulation
- Standard design with 4 connections, sensor socket G 1/2", vent and drain as well as internal perforated metal plate
- Upwards of 200 litres, with pedestals
- Working pressure 6 bar / Pressure tested
- Working temperature 110°C



| Type    | Capacity<br>l | Flow capacity<br>m³/h | Performance* [KW] |         | Height<br>mm | Width<br>mm | Weight<br>kg | Qty | Connections       |     | Socket<br>metal plate<br>L mm | Part No.       |
|---------|---------------|-----------------------|-------------------|---------|--------------|-------------|--------------|-----|-------------------|-----|-------------------------------|----------------|
|         |               |                       | at 15 K           | at 20 K |              |             |              |     | Socket/<br>flange | Qty |                               |                |
| WHW 60  | 0,8           | 1,7                   | 29                | 39      | 362          | 120         | 1,0          | 4   | Gi 1"             | 3   | 1/2"                          | 41 0606 0 0101 |
| WHW 80  | 1,7           | 2,9                   | 50                | 67      | 441          | 136         | 2,0          | 4   | Gi 1 1/4"         | 3   | 1/2"                          | 41 0806 0 0101 |
| WHW 100 | 4,0           | 4,5                   | 78                | 104     | 568          | 162         | 3,1          | 4   | Gi 1 1/2"         | 3   | 1/2"                          | 41 1006 0 0101 |
| WHW 120 | 5,7           | 7,0                   | 122               | 162     | 632          | 214         | 3,9          | 4   | Gi 2"             | 4   | 1/2"                          | 41 1206 0 0101 |
| WHW 140 | 10,5          | 10,0                  | 174               | 232     | 759          | 240         | 4,5          | 4   | Gi 2"             | 4   | 1/2"                          | 41 1406 0 0101 |
| WHW 180 | 14,5          | 14,2                  | 247               | 330     | 733          | 288         | 5,6          | 4   | DN 65             | 5   | 1/2"                          | 41 1806 0 0101 |
| WHW 200 | 26,0          | 33,0                  | 575               | 767     | 1010         | 320         | 12,5         | 4   | DN 100            | 5   | 1/2"                          | 41 2006 0 0101 |
| WHW 250 | 50,0          | 50,0                  | 872               | 1162    | 1210         | 370         | 13,0         | 4   | DN 125            | 5   | 1/2"                          | 41 2506 0 0101 |
| WHW 300 | 87,0          | 73,0                  | 1273              | 1697    | 1410         | 420         | 21,0         | 4   | DN 150            | 5   | 1/2"                          | 41 3006 0 0101 |
| WHW 400 | 204,0         | 125,0                 | 2180              | 2906    | 1810         | 520         | 44,0         | 4   | DN 200            | 5   | 1/2"                          | 41 4006 0 0101 |

Flow rate s = 0,2 m/s

Ga = male thread, Gi = female thread

## Hydraulic switches WHW complete

- Technical details and standard design such as WHW, though with insulation
- 40 mm PUR-insulation, demountable, outside with aluminium lamination
- Fire protection class B2 according to DIN 4102

| Type             | Capacity<br>l | Flow capacity<br>m³/h | Weight<br>kg | Part No.    |
|------------------|---------------|-----------------------|--------------|-------------|
| WHW 60 komplett  | 0,8           | 1,7                   | 1,2          | 41060600198 |
| WHW 80 komplett  | 1,7           | 2,9                   | 2,3          | 41080600198 |
| WHW 100 komplett | 4,0           | 4,5                   | 3,4          | 41100600198 |
| WHW 120 komplett | 5,7           | 7,0                   | 4,2          | 41120600198 |
| WHW 140 komplett | 10,5          | 10,0                  | 5,1          | 41140600198 |
| WHW 180 komplett | 14,5          | 14,2                  | 6,4          | 41180600198 |
| WHW 200 komplett | 26,0          | 33,0                  | 12,2         | 41200600198 |
| WHW 250 komplett | 50,0          | 50,0                  | 13,6         | 41250600198 |
| WHW 300 komplett | 87,0          | 73,0                  | 22,1         | 41300600198 |
| WHW 400 komplett | 204,0         | 125,0                 | 45,5         | 41400600198 |



## 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

| 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 1/2" x 600 ET with controller and limiter | 401397   |
| Screw-in heater 2 kW, 230 V, G 1 1/2" x 300 ET with controller and limiter         | 401151   |
| Screw-in heater 3 kW, 230 V, G 1 1/2" 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    |



| Part No. | Description                          | Suitable for |                        |           |            |            |            |
|----------|--------------------------------------|--------------|------------------------|-----------|------------|------------|------------|
|          |                                      | WBL          | WBO<br>Uno/Duo/H/WPSOL | WPS       | WPH        | WPR/WPRR   | WIKOSOL    |
| 400499   | Kit electric back-up heater 2/4/6 kW | 160 - 200    | -                      | -         | -          | -          | -          |
| 401397   | Screw-in heater 2/4/6 kW             | -            | 405 - 505              | 405 - 505 | 405 - 1005 | 605 - 1005 | 605 - 2005 |
| 401151   | Screw-in heater 2 kW                 | -            | 120 - 505              | 155 - 505 | 155 - 1005 | 605 - 1005 | 605 - 2005 |
| 401149   | Screw-in heater 3 kW                 | -            | 120 - 505              | 155 - 505 | 155 - 1005 | 605 - 1005 | 605 - 2005 |
| 403011   | Screw-in heater 7,5 kW               | -            | ab 805                 | ab 805    | ab 1505    | ab 1505    | -          |
| 400489   | Electric heating flange 2/4/6 kW     | -            | 155 - 505              | 155 - 505 | -          | -          | -          |
| 400488   | Electric heating flange 9/18 kW      | -            | ab 805                 | ab 805    | -          | -          | -          |

## Components individual storage tanks

### Storage tank

incl. vent, without connections



| Volume | Dimensions    |             |                        |
|--------|---------------|-------------|------------------------|
|        | Diameter [mm] | Height [mm] | Tilting dimension [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                   |

<sup>1)</sup> only in connection with storage tanks, internal bare; <sup>2)</sup> 6 bar storage tank

### Sockets, nipples, loading tubes, nozzle pipes



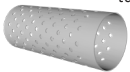
socket



nipple



loading tube

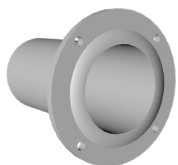


nozzle pipe

| Dimension |               |
|-----------|---------------|
| Inch      | Nominal width |
| 1/2"      | DN 15         |
| 3/4"      | DN 20         |
| 1"        | DN 25         |
| 1 1/4"    | DN 32         |
| 1 1/2"    | DN 40         |
| 2"        | DN 50         |
| 2 1/2"    | 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 | Nominal width |
|---------------|---------------|
| DN 10         | DN 80         |
| DN 15         | DN 100        |
| DN 20         | DN 125        |
| DN 25         | DN 150        |
| DN 32         | DN 200        |
| DN 40         | DN 250        |
| DN 50         | DN 300        |
| DN 65         |               |

### Flange

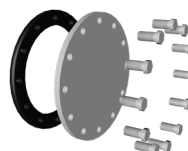
without blind flange, seal and screws



| 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       |

## Straight-tube heat exchanger

made of steel

single



| Heating surface  |
|------------------|
| 1 m <sup>2</sup> |
| 2 m <sup>2</sup> |
| 3 m <sup>2</sup> |
| 4 m <sup>2</sup> |
| 5 m <sup>2</sup> |
| 6 m <sup>2</sup> |
| 7 m <sup>2</sup> |
| 8 m <sup>2</sup> |
| 9 m <sup>2</sup> |

double

| Heating surface  |
|------------------|
| 3 m <sup>2</sup> |
| 4 m <sup>2</sup> |
| 5 m <sup>2</sup> |
| 6 m <sup>2</sup> |
| 7 m <sup>2</sup> |
| 8 m <sup>2</sup> |
| 9 m <sup>2</sup> |

## DHW heat exchanger

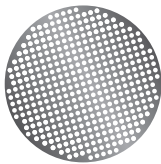
made of stainless steel, spirally corrugated tube



| Heating surface    |
|--------------------|
| 4,0 m <sup>2</sup> |
| 5,5 m <sup>2</sup> |
| 8,0 m <sup>2</sup> |
| 9,2 m <sup>2</sup> |

## Perforated plate

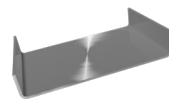
made of steel, bare



| 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 |



| 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 1/2 "     | up to 3000 l |
| Sensor tubes (2 pieces) | up to 500 l  |
| Sensor clamp            | from 800 l   |

## Anodes

| Anoden                                                              | Volumen      |
|---------------------------------------------------------------------|--------------|
| 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  |

## Other accessories



|                                         |
|-----------------------------------------|
| Thermometer with immersion sleeve 1/2 " |
| 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

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

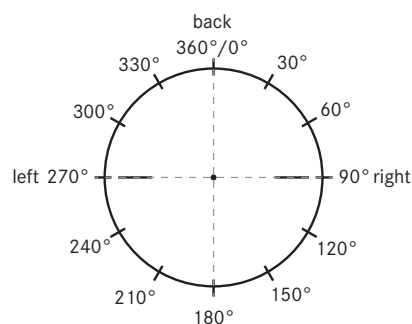
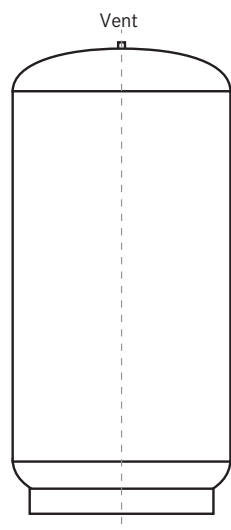
Storage tank internal ☐ bare

☐ 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 accessories

| Pos.                                | Description | Dimension<br>Ga/Gi <sup>1)</sup> /DN | Design | Qty | Height <sup>2)</sup><br>[mm] | Pos.<br>[°] | Gross price<br>01/2018 [€] |
|-------------------------------------|-------------|--------------------------------------|--------|-----|------------------------------|-------------|----------------------------|
| 1                                   |             |                                      |        |     |                              |             |                            |
| 2                                   |             |                                      |        |     |                              |             |                            |
| 3                                   |             |                                      |        |     |                              |             |                            |
| 4                                   |             |                                      |        |     |                              |             |                            |
| 5                                   |             |                                      |        |     |                              |             |                            |
| 6                                   |             |                                      |        |     |                              |             |                            |
| 7                                   |             |                                      |        |     |                              |             |                            |
| 8                                   |             |                                      |        |     |                              |             |                            |
| 9                                   |             |                                      |        |     |                              |             |                            |
| 10                                  |             |                                      |        |     |                              |             |                            |
| 11                                  |             |                                      |        |     |                              |             |                            |
| 12                                  |             |                                      |        |     |                              |             |                            |
| 13                                  |             |                                      |        |     |                              |             |                            |
| 14                                  |             |                                      |        |     |                              |             |                            |
| 15                                  |             |                                      |        |     |                              |             |                            |
| 16                                  |             |                                      |        |     |                              |             |                            |
| Gross price individual storage tank |             |                                      |        |     |                              |             |                            |

Other \_\_\_\_\_

<sup>1)</sup> Ga = male thread, Gi = female thread

<sup>2)</sup> measured from the bottom

Date \_\_\_\_\_

Signature \_\_\_\_\_

### 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

- 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"<br>Diameter approx. 50 cm, height approx. 160 cm, raw |  |

### Metal fire bowls

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



## Solar

|                           |    |
|---------------------------|----|
| Flat plate collectors     | 48 |
| Vacuum tube collectors    | 52 |
| Solar accessories         | 56 |
| Solar packages parts list | 58 |
| Solar planning data sheet | 66 |

## Flat plate collector WIKOSUN 2010 and 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 2010                                           | WIKOSUN 2510                                           |
|-----------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Collector gross surface           | 1,98 m <sup>2</sup>                                    | 2,47 m <sup>2</sup>                                    |
| Absorber surface                  | 1,87 m <sup>2</sup>                                    | 2,32 m <sup>2</sup>                                    |
| Aperture surface                  | 1,87 m <sup>2</sup>                                    | 2,32 m <sup>2</sup>                                    |
| Length x width x depth            | 1740 x 1140 x 75 mm                                    | 2170 x 1140 x 75 mm                                    |
| Weight                            | 32,0 kg                                                | 40,0 kg                                                |
| Cover                             | 3,2 mm safety glass, super transparent, hailstone safe | 3,2 mm safety glass, super transparent, hailstone safe |
| Connections                       | 4 Cu-tubes 18 mm                                       | 4 Cu-tubes 18 mm                                       |
| Absorber material                 | Copper on aluminum plate                               | Copper on aluminum plate                               |
| Absorber coating                  | Highly selective                                       | Highly selective                                       |
| Insulation                        | 40 mm mineral wool                                     | 40 mm mineral wool                                     |
| Efficiency                        | $\eta_0 = 74,4 \%$                                     | $\eta_0 = 76,1 \%$                                     |
| Peak power                        | 1380 Watt/collector                                    | 1750 Watt/collector                                    |
| Capacity antifreeze               | 1,15 l                                                 | 1,33 l                                                 |
| Max. working pressure             | 10 bar                                                 | 10 bar                                                 |
| Stagnation temperature DIN 4753-3 | 179 °C                                                 | 197 °C                                                 |

| Article              | Part No.       |
|----------------------|----------------|
| WIKOSUN 2010, silver | 01 1080 0 0101 |
| 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 2010 and WIKOSUN 2510

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

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

Solar packages see page 58, 61

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

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

Solar packages see page 59, 62

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

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

Solar packages see page 59, 62

## Mounting accessories for WIKOSUN 2010 and WIKOSUN 2510

### Roof-integrated mounting, vertical, roof angles from 30 - 60°

| For WIKOSUN 2010                                                                 |                                                                                                                                                                           | Part No.       |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|  | <b>Basic kit ST-BFS-IVG 1</b><br>Covering frame RAL 7022 and fastening accessories for 2 WIKOSUN 2010, vertical                                                           | 01 2332 3 0101 |
|  | <b>Extension kit ST-BFS-IVE 1</b><br>Covering frame, RAL 7022 and fastening accessories for 1 WIKOSUN 2010, vertical, in addition to basic kit – unemployable separately  | 01 2332 3 0102 |
| For WIKOSUN 2510                                                                 |                                                                                                                                                                           | Part No.       |
|  | <b>Basic kit ST-BFS-IVG 1.1</b><br>Covering frame RAL 7022 and fastening accessories for 2 WIKOSUN 2510, vertical                                                         | 01 2233 3 0101 |
|  | <b>Extension kit ST-BFS-IVE 1.1</b><br>Covering frame RAL 7022 and fastening accessories for 1 WIKOSUN 2510, vertical, in addition to basic kit – unemployable separately | 01 2233 3 0102 |

Solar packages see page 60, 63

### Roof-integrated mounting, horizontal, roof angles from 30 - 60°

| For WIKOSUN 2010                                                                   |                                                                                                                                                                             | Part No.       |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|  | <b>Basic kit ST-BFS-IHG 1</b><br>Covering frame RAL 7022 and fastening accessories for 2 WIKOSUN 2010, horizontal                                                           | 01 2332 2 0101 |
|  | <b>Extension kit ST-BFS-IHE 1</b><br>Covering frame, RAL 7022 and fastening accessories for 1 WIKOSUN 2010, horizontal, in addition to basic kit – unemployable separately  | 01 2332 2 0102 |
| For WIKOSUN 2510                                                                   |                                                                                                                                                                             | Part No.       |
|  | <b>Basic kit ST-BFS-IHG 1.1</b><br>Covering frame RAL 7022 and fastening accessories for 2 WIKOSUN 2510, horizontal                                                         | 01 2233 4 0101 |
|  | <b>Extension kit ST-BFS-IHE 1.1</b><br>Covering frame RAL 7022 and fastening accessories for 1 WIKOSUN 2510, horizontal, in addition to basic kit – unemployable separately | 01 2233 4 0102 |

Solar packages see page 60, 63

## Mounting accessories WIKOSUN 2010 and WIKOSUN 2510

### Single components

| Profile rail sets / connectors                                                    |                                                                                                                          | Part No.       |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------|
|  | <b>Profile rail set ST-PSS-1V, alu</b><br>2 profile rails 35 x 35 x 1220 mm, with fastening accessories, pre-mounted     | 01 2121 2 0102 |
|                                                                                   | <b>Profile rail set ST-PSS-2V, alu</b><br>2 profile rails 35 x 35 x 2420 mm, with fastening accessories, pre-mounted     | 01 2121 3 0102 |
|                                                                                   | <b>Profile rail set ST-PSS-3V, alu</b><br>2 profile rails 35 x 35 x 3630 mm, with fastening accessories, pre-mounted     | 01 2121 4 0102 |
|                                                                                   | <b>Profile rail set ST-PSS-1H, alu</b><br>2 profile rails 35 x 35 x 1820 mm, with fastening accessories, pre-mounted     | 01 2121 1 0102 |
|                                                                                   | <b>Profile rail set ST-PSS-1.1H, alu</b><br>2 profile rails 35 x 35 x 2240 mm, with fastening accessories, pre-mounted   | 01 2121 5 0102 |
|  | <b>Profile rail set ST-PSS-1V, black</b><br>2 profile rails 35 x 35 x 1220 mm, with fastening accessories, pre-mounted   | 01 2121 2 1102 |
|                                                                                   | <b>Profile rail set ST-PSS-2V, black</b><br>2 profile rails 35 x 35 x 2420 mm, with fastening accessories, pre-mounted   | 01 2121 3 1102 |
|                                                                                   | <b>Profile rail set ST-PSS-3V, black</b><br>2 profile rails 35 x 35 x 3630 mm, with fastening accessories, pre-mounted   | 01 2121 4 1102 |
|                                                                                   | <b>Profile rail set ST-PSS-1H, black</b><br>2 profile rails 35 x 35 x 1820 mm, with fastening accessories, pre-mounted   | 01 2121 1 1102 |
|                                                                                   | <b>Profile rail set ST-PSS-1.1H, black</b><br>2 profile rails 35 x 35 x 2240 mm, with fastening accessories, pre-mounted | 01 2121 5 1102 |
|                                                                                   | <b>Connector profile rail set ST-PSS-V</b><br>2 Alu angles 180 mm with screws                                            | 01 2221 1 0102 |

### Connection accessories

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

## 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

| Article                         | WIKOSUN HP 2340        | WIKOSUN HP1240         |
|---------------------------------|------------------------|------------------------|
| Number of tubes                 | 15                     | 15                     |
| Collector gross surface         | 2.34 m <sup>2</sup>    | 1,24 m <sup>2</sup>    |
| Absorber surface                | 3,59 m <sup>2</sup>    | 1,43 m <sup>2</sup>    |
| Length x width x depth          | 1964 x 1190 x 133 mm   | 987 x 1190 x 133 mm    |
| Weight                          | 48,0 kg                | 48,0 kg                |
| Connections                     | Cu-Rohrstutzen Ø 22 mm | Cu-Rohrstutzen Ø 22 mm |
| Efficiency                      | $\eta_0 = 74,55 \%$    | $\eta_0 = \%$          |
| Capacity antifreeze             | 1,15 l                 | 0,84 l                 |
| Max. working / testing pressure | 10 bar                 | 10 bar                 |
| Stagnation temperature          | 227 °C                 | 227 °C                 |

| 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 |

## Mounting accessories for WIKOSUN vacuum tube collectors

### On roof mounting, vertical

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

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

Solar packages see page 64

## Mounting accessories for WIKOSUN vacuum tube collectors

### Flat roof mounting, vertical

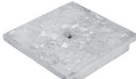
| Profile rails and connectors |                                                              | Part No.       |
|------------------------------|--------------------------------------------------------------|----------------|
|                              | <b>ST-ADM-1.3P</b> 2 profile rails (35 x 35 x 700 mm)        | 01 2116 0 0102 |
|                              | <b>ST-ADM-3.3P</b> 2 profile rails (35 x 35 x 700 mm)        | 01 2136 0 0102 |
|                              | <b>ST-ADM-V</b> Universal connecting set for 2 mounting sets | 01 2141 0 0101 |

| Fastening sets                                                                      |                                                                                                                                                                                                                  | Part No.       |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|  or | <b>Basic kit ST-BFS-FVG</b><br>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 |
|     | <b>Extension kit ST-BFS-FVE</b><br>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 64

### Flat roof mounting, horizontal

| Profile rails and connectors |                                                                      | Part No.       |
|------------------------------|----------------------------------------------------------------------|----------------|
|                              | <b>ST-ADM-1.3P</b> 2 profile rails (35 x 35 x 700 mm)                | 01 2116 0 0102 |
|                              | <b>ST-ADM-2.3P</b> 2 profile rails (35 x 35 x 1300 mm)               | 01 2126 0 0102 |
|                              | <b>ST-ADM-3.3P</b> 2 profile rails (35 x 35 x 700 mm)                | 01 2136 0 0102 |
|                              | <b>ST-ADM-2-BW</b> Profile angle set for connection of profile rails | 01 2113 2 0103 |
|                              | <b>ST-ADM-V</b> Universal connecting set for 2 mounting sets         | 01 2141 0 0101 |

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

Solar packages see page 65

## Mounting accessories for WIKOSUN vacuum tube collectors

### Connection accessories

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

### Connection accessories

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

## Solar accessories

## Solar controllers

## Part No.

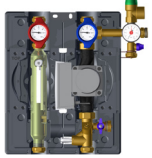
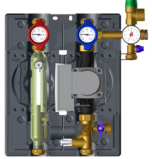
Temperature difference controller to control HE pumps for simple to medium solar thermal systems for DHW and heating support. The controllers have a full-graphics display, an innovative operating concept, a time-saving connection panel and a commissioning wizard.

|                                                                                    |                                                                                                                                                                                                                                           |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|   | <b>WIK-DR 1 PWM</b><br>for 1 collector array and 1 storage tank, with vacuum tube collector function, output control without sensor                                                                                                       | 01 7820 0 0101 |
|   | <b>WIK-DR 3 PWM</b><br>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 |
|   | <b>WIK-DR 6 PWM</b><br>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 |
|  | <b>WIK-PT 1000 – Sensor</b><br>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  $\varnothing$  22 mm. With MAG connection kit and de aerator.

|                                                                                     |                                                           |                |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------|
|  | <b>WIK-PG 25/16 HE</b><br>with flow meter up to 16 l/min. | 01 5200 7 0101 |
|  | <b>WIK-PG 25/36 HE</b><br>with flow meter up to 36 l/min. | 01 5200 8 0101 |

## Accessories

## Part No.

suitable for WIK-PG HE

|                                                                                     |                                        |       |
|-------------------------------------------------------------------------------------|----------------------------------------|-------|
|  | <b>Connecting nipple 22 x R 3/4 FD</b> | 11163 |
|  | <b>Connecting nipple 22 x R 1 FD</b>   | 11164 |

## Solar accessories

### Expansion vessel

### Part No.

Membrane pressure expansion vessel for solar thermal systems, max. working temperatures 0 - 110 °C



|                   |                |
|-------------------|----------------|
| <b>WIK-AG 18</b>  | 01 5318 0 0101 |
| <b>WIK-AG 25</b>  | 01 5325 0 0101 |
| <b>WIK-AG 40</b>  | 01 5340 0 0101 |
| <b>WIK-AG 50</b>  | 01 5350 0 0101 |
| <b>WIK-AG 80</b>  | 01 5380 0 0101 |
| <b>WIK-AG 100</b> | 01 5310 0 0101 |
| <b>WIK-AG 200</b> | 01 5320 0 0101 |

### Solar liquid

### Part No.

For corrosion and freeze protection in the solar circuit, with high thermal transfer, environmentally friendly, biodegradable according to DIN 4757. Ready for use, immiscible, for temperatures of -23°C up to 230°C.



|                                                       |                |
|-------------------------------------------------------|----------------|
| <b>WIK-PE 20</b><br>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°



|                |                |
|----------------|----------------|
| <b>WIK-FSP</b> | 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



|                |                |
|----------------|----------------|
| <b>WIK-VFS</b> | 01 7810 0 0101 |
|----------------|----------------|

### Overvoltage protection

### Part No.

Fine protection for temperature sensor inputs of all WIK-DR controllers.



|                 |                |
|-----------------|----------------|
| <b>WIK-BD 1</b> | 01 7000 0 0101 |
|-----------------|----------------|

### DHW temperature control mixing valve

### Part No.



|                                                                       |       |
|-----------------------------------------------------------------------|-------|
| <b>WIK-BWM</b><br>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.



|                                                                  |        |
|------------------------------------------------------------------|--------|
| <b>WIK-UV 3/4"</b><br>3-way-valve 3/4", 230 V, -20 up to + 160°C | 10 491 |
| <b>WIK-UV 1"</b><br>3-way-valve 1", 230 V, -20 up to + 160 °C    | 11 307 |

## WIKOSUN 2010

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

| Article                                              | Part No        | Qty | Qty | Qty | Qty | Qty | Qty |
|------------------------------------------------------|----------------|-----|-----|-----|-----|-----|-----|
| WIKOSUN 2010 flat plate collector                    | 01 1080 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   |

\*alternatively

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

| Article                                              | Part No        | Qty | Qty | Qty | Qty | Qty | Qty |
|------------------------------------------------------|----------------|-----|-----|-----|-----|-----|-----|
| WIKOSUN 2010 flat plate collector                    | 01 1080 0 0101 | 1   | 2   | 3   | 4   | 5   | 6   |
| ST-PSS-1H Profile rail set                           | 01 2121 1 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-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   |

\*alternatively

## WIKOSUN 2010

### Flat roof mounting, vertical, 30° - 60°

| Article                                    | Part No        | Qty | Qty | Qty | Qty | Qty | Qty |
|--------------------------------------------|----------------|-----|-----|-----|-----|-----|-----|
| WIKOSUN 2010 flat plate collector          | 01 1080 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 2010 flat plate collector          | 01 1080 0 0101 | 1   | 2   | 3   | 4   | 5   | 6   |
| ST-PSS-1H Profile rail set                 | 01 2121 1 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   | 1   | 2   | 2   | 2   |
| ST-BFS-FHE Extension kit                   | 01 2222 5 0102 |     | 1   | 2   | 1   | 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   |

#### 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 and an overall 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.**

## WIKOSUN 2010

### Roof-integrated mounting, vertical, 25° - 60°, tile

| Article                                    | Part No        | Qty | Qty | Qty | Qty | Qty |
|--------------------------------------------|----------------|-----|-----|-----|-----|-----|
| WIKOSUN 2010 flat plate collector          | 01 1080 0 0101 | 2   | 3   | 4   | 5   | 6   |
| ST-BFS-IVG1 Basic kit                      | 01 2332 3 0101 | 1   | 1   | 1   | 1   | 1   |
| ST-BFS-IVE1 Extension kit                  | 01 2332 3 0102 |     | 1   | 2   | 3   | 4   |
| ST-AZV-1FK Connection accessories          | 01 2321 2 0102 | 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   |
| WIK-DR 1 PWM Solar controller              | 01 7820 0 0101 | 1   | 1   | 1   | 1   | 1   |
| WIK-PT 1000 Sensor                         | 01 7900 0 0101 | 2   | 2   | 2   | 2   | 2   |
| WIK-AG 18 Expansion vessel                 | 01 5318 0 0101 | 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   | 2   | 2   | 3   | 3   |

### Roof-integrated mounting, horizontal, 25° - 60°, tile

| Article                                    | Part No        | Qty | Qty | Qty | Qty | Qty |
|--------------------------------------------|----------------|-----|-----|-----|-----|-----|
| WIKOSUN 2010 flat plate collector          | 01 1080 0 0101 | 2   | 3   | 4   | 5   | 6   |
| ST-BFS-IHG1 Basic kit                      | 01 2332 2 0101 | 1   | 1   | 1   | 1   | 1   |
| ST-BFS-IHE1 Extension kit                  | 01 2332 2 0102 |     | 1   | 2   | 3   | 4   |
| ST-AZH-1FK Connection accessories          | 01 2321 1 0102 | 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   |
| WIK-DR 1 PWM Solar controller              | 01 7820 0 0101 | 1   | 1   | 1   | 1   | 1   |
| WIK-PT 1000 Sensor                         | 01 7900 0 0101 | 2   | 2   | 2   | 2   | 2   |
| WIK-AG 18 Expansion vessel                 | 01 5318 0 0101 | 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   | 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 and an overall 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.**

## 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   |

\*alternatively

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-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   |

\*alternatively

## 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   |

## WIKOSUN 2510

### Roof-integrated mounting, vertical, 25° - 60°, tile

| Article                                    | Part No        | Qty | Qty | Qty | Qty | Qty |
|--------------------------------------------|----------------|-----|-----|-----|-----|-----|
| WIKOSUN 2510 flat plate collector          | 01 1090 0 0101 | 2   | 3   | 4   | 5   | 6   |
| ST-BFS-IVG1.1 Basic kit                    | 01 2233 3 0101 | 1   | 1   | 1   | 1   | 1   |
| ST-BFS-IVE1.1 Extension kit                | 01 2233 3 0102 |     | 1   | 2   | 3   | 4   |
| ST-AZV-1FK Connection accessories          | 01 2321 2 0102 | 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   |
| WIK-DR 1 PWM Solar controller              | 01 7820 0 0101 | 1   | 1   | 1   | 1   | 1   |
| WIK-PT 1000 Sensor                         | 01 7900 0 0101 | 2   | 2   | 2   | 2   | 2   |
| WIK-AG 18 Expansion vessel                 | 01 5318 0 0101 | 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   | 2   | 2   | 3   | 3   |

### Roof-integrated mounting, horizontal, 25° - 60°, tile

| Article                                    | Part No        | Qty | Qty | Qty | Qty | Qty |
|--------------------------------------------|----------------|-----|-----|-----|-----|-----|
| WIKOSUN 2510 flat plate collector          | 01 1090 0 0101 | 2   | 3   | 4   | 5   | 6   |
| ST-BFS-IHG1.1 Basic kit                    | 01 2233 4 0101 | 1   | 1   | 1   | 1   | 1   |
| ST-BFS-IHE1.1 Extension kit                | 01 2233 4 0102 |     | 1   | 2   | 3   | 4   |
| ST-AZH-1FK Connection accessories          | 01 2321 1 0102 | 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   |
| WIK-DR 1 PWM Solar controller              | 01 7820 0 0101 | 1   | 1   | 1   | 1   | 1   |
| WIK-PT 1000 Sensor                         | 01 7900 0 0101 | 2   | 2   | 2   | 2   | 2   |
| WIK-AG 18 Expansion vessel                 | 01 5318 0 0101 | 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   | 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 and an overall 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.**

## 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  | 01520070101    |     |     |     |     |     | 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   |

\*alternatively

\*\* Screw set not included in gross price

### Flat 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-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 | 01520070101 |     |     |     |     |     | 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   |

\*alternatively

\*\* Screw set not included in gross price

## WIKOSUN HP 2340

### Flat roof mounting, 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    | 01520070101 |     |     |     |     |     | 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

\*\* Screw set not included in gross price

## WIKOSUN HP 1240

### Balcony mounting, vertical

| 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 | 01520070101 |     |     |     |     |     | 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   |

\*alternatively

\*\* Screw set not included in gross price

#### 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 and an overall 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.**

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 \_\_\_\_\_ apartments  
☐ at planning stage ☐ new construction ☐ old building

## 3. Estimated hot water consumption

Number of persons: \_\_\_\_\_  
 (in the case of multi-family houses please indicate total number)

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

- ☐ Low ca. 30 litres  
☐ Medium ca. 50 litres  
☐ High ca. 80 litres

## 2. Solar requirement

- ☐ DHW  
☐ Space heating  
☐ Swimming pool heating

## 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, m<sup>3</sup>/Year, kWh/Year

## 5. Space heating support only:

(Recommended for surface radiator heaters or low return temperature heating flow/return as in underfloor heating systems)

Floor area: \_\_\_\_\_ m<sup>2</sup>

Aux boiler flow/return: \_\_\_\_\_ / \_\_\_\_\_ °C

Heating requirement: \_\_\_\_\_ W/m<sup>2</sup>

## 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

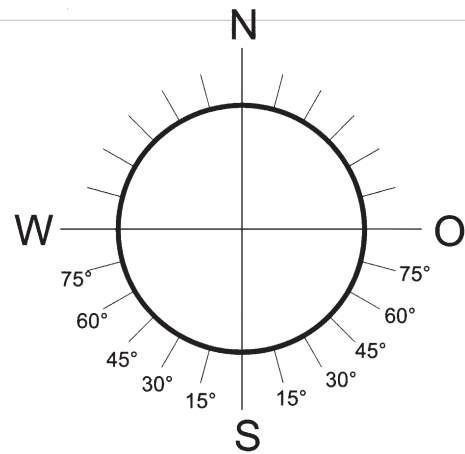
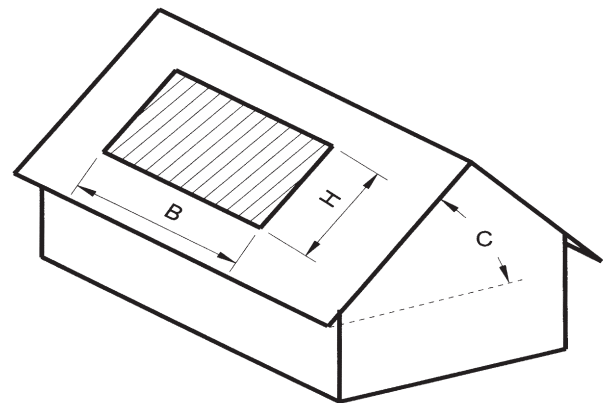
from \_\_\_\_\_ h

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:

ca. \_\_\_\_\_ m

## 12. Desired date of implementation:

## General Terms and Conditions of Sale and Delivery

### 1. Scope

All sales shall be concluded at the following stipulations, which shall be deemed to be accepted at the placement of an order. Agreements at variance with these terms and conditions only become an element of the contract if this is expressly agreed to in writing. These Terms and Conditions of Sale and Delivery are subject to change without notice.

### 2. Quotations

Our quotations are subject to confirmation and are not binding. All details in catalogs, brochures and price lists are non-binding, as they are subject to design changes.

### 3. Orders

Deals and other agreements, in particular to the extent that the deviate from our terms and conditions, only become legally binding through our written order confirmation. The order confirmation becomes effective upon receipt by the partner to the contract. The invoice shall replace the order confirmation in the event of immediate execution of the order. Goods purchased for foreign countries may only be delivered in the country indicated by us and may not be used domestically. The direct or indirect forwarding of goods abroad that were purchased domestically is prohibited. Total gas devices may only be sold to the specialized companies licensed by the local gas supply company. For each case of non-compliance, we are entitled to take legal action against the partner to the contract for the lost profit in the specific case and to require a contractual penalty in the amount of 25% of the stipulated purchase price. If the goods are brought to a different location or an address other than that indicated the invoice, then all benefits that have been granted to the specified recipient must be refunded in addition to EUR 100.- per unit, but no less than two times the value of the benefit. We reserve the right to make a proportional price increase for all orders with a duration of more than 3 months after conclusion of the purchase contract, if raw material or wage price increases occur after conclusion of the purchase contract or other circumstances – for which we are not responsible – make manufacturing more expensive. If material costs of main components increase by more than 5 % an immediate price increase can be applied.

### 4. Prices

The prices are calculated according to the terms of our price list valid at conclusion of the contract and are calculated ex factory in Euro without VAT. Freight and packaging will be invoiced separately at cost. For shipments to third party recipients, we are entitled to assess a surcharge in the amount of 5% of the merchandise value.

### 5. Delivery date

Specified delivery dates are non-binding. Delayed deliveries do not create an entitlement to the cancellation of the order or to the assertion of damage claims. Partial deliveries are permissible. For delayed delivery, the purchaser is only entitled to withdraw from the contract after a notice of default and the granting of a reasonable grace period, to the extent that the goods have not been reported to be ready for shipping by the expiration of the deadline. In the event of partial default, withdrawal from the entire contract is only possible if the purchaser is not interested in the partial fulfillment. Liability for slight negligence is barred for damages caused by delay. Acts of God, war or states of siege, official decrees, riots, traffic and operational disruptions, supply or raw material shortages by us or our suppliers, as well as all circumstances for which we are not responsible, entitle us to withdraw from the contract or to postpone the delivery by the duration of the hindrance, to the exclusion of claims for damages.

### 6. Acceptance

Goods not called up in time can be charged and brought to shipping. For storage of finished goods, we are entitled to create invoices and to require payment after expiration of the goal. The additional storage shall occur at the cost of the purchaser and can be charged to the purchaser.

### 7. Shipping and transfer of the risk

Risk shall transfer to the purchaser with the transfer of the goods to the shipper or freight carrier, however no later than when the goods leave the factory or storage. This also applies when carriage paid delivery is agreed to. One-way packaging shall not be returned.

### 8. Warranty and guarantee

#### Warranty

The warranty for our products is based on the legal provisions of the general Civil Code and the Consumer Protection Act.

#### Full warranty of tanks

In addition, defective appliances are replaced within the framework of our full warranty within 1 year, as of the date of the invoice, including the replacement, procurement and incidental costs. As far as our hot-water heaters and pressurized boilers are concerned, the warranty amounts for 6 months, as of the date of the invoice.

#### Guarantee of tanks

Subsequent to the full warranty, defective enameled tanks are replaced within 4 years (5 years in total) and hygienic tanks within 9 years (10 years in total) within the framework of our guarantee. Preconditions are that the limits of the valid DHW regulations have been respected, the anode has been examined for the first time after 2 years and afterwards annually and that the anode has been replaced by an original Wikora anode (individual receipts needed) by a specialized company.

#### Solar collectors

A separate written guarantee applies for all solar collectors.

#### Warranty for accessories and spare parts

Defective accessories and spare parts are replaced within 1 year, as of the date of the invoice.

All other claims are excluded. Repairs and costs which occur due to damage, inappropriate installation, chemical, electrochemical or electrical influences, incorrect operation or improper manipulation, are excluded. Furthermore, the warranty becomes invalid if the appliance has been modified through the installation of externally supplied parts or through irregular professional maintenance.

### Electrical industry products

The warranty and guarantee for electrical industry products conform to the conditions published by the German Electrical and Electronic Manufacturers' Association (ZVEI). Parts that have a material defect, provided the reason for the defect already existed at the time of the risk being transferred, are to be repaired or supplied or provided again free of charge at the discretion of the supplier. Claims to supplementary performance shall be time-barred 12 months after the beginning of the statutory limitation period.

### 9. Notification of defects - returns

The goods must be inspected by the purchaser immediately after arrival at the place of destination and must be handled with the care of a prudent businessman. Potential damage must be noted on the delivery receipt belonging to the shipment and sent to us promptly. Transportation damage must be complained of directly to the shipper or freight carrier. If the inspection is omitted or if defects are not lodged with us in writing within 8 days after receipt of the delivery, then any claim resulting from defects in the goods is barred. **Returns without our clearance or freight collect returns will not be accepted.**

### 10. Terms of Payment

Pricing and calculation shall be done in Euro without VAT. The VAT will be invoiced separately. Invoices are - to the extent not otherwise stipulated in writing - must be settled within 30 days after the invoice date without deduction. The purchaser shall bear the risk of transmitting the invoice amount to us or to the payment office commissioned by us. The obligation for payment of the purchase price is only fulfilled with the receipt of the amount by us, by our payment center or with the receipt at our giro account or bank account. The purchaser shall bear all costs for the transmission of the payment amount to us. This applies especially for note charges. Default interest in the amount of the respective bank interest shall be charged in the event of the credit period being exceeded, irrespective of any further rights. Drafts will only be accepted on account of payment on the basis of express written agreement. Credits for checks and drafts are always effective subject to payment and occur with value setting of the day on which we can dispose of the proceeds. If the purchaser defaults on his payments, we are then entitled to withdraw from the contract or to require damages due to non-performance. This also applies for unsatisfactory information regarding the financial situation of the purchaser, whereby payment can be required for goods already delivered before the due date of the invoice. Information from banks, SCHUFA (German credit reporting agency) or a recognized commercial credit agency shall suffice for the proof of negative information. Furthermore, the resale or the return of the collateral ownership in the delivered goods can be required at the cost of the purchaser. The purchaser authorizes us even now in the cases designated to enter the factory of the purchaser and to remove the goods; the removal shall not be deemed to be withdrawal from the contract. For orders not yet transacted, we are entitled to change the terms of payment, to require prepayments or to withdraw from the contract. Furthermore, we are entitled to the right to immediately pull all circulating exchange, drafts and checks from circulation, allowing for the deduction of all costs. Offsets can only be made, if the counterclaim is uncontested or has been determined by a court of law. Legal performance standards and rights of retention from earlier contracts are excluded. Potential credit entries shall always be deemed to be credit notes. A refund is expressly excluded.

### 11. Retention of title

The goods delivered by us shall remain the property of the supplier up to the complete payment of the total receivables accrued from the business relationship. The goods may neither be pledged nor assigned as security without our consent. The purchaser must immediately inform us of any garnishment by third party and to provide assistance necessary for the protection of all rights. The seller is entitled to resell the delivered goods even before payment is due within the orderly course of business. For this purpose, the purchaser assigns in advance all claims he is entitled to from the resale of the goods delivered by us against his customer in the amount of the purchase price or invoice amount at the conclusion of the purchase contract, as security. However, we are entitled at any time to demands details regarding the debtors and the particulars of the receivables and to independently collect the receivable of the garnishee. As long as the purchaser discharges his claims in respect to us, he is authorized to collect the assigned receivables. In the event of default in payment, we are entitled to the proceeds collected and they must be delivered to us. Processing and conversion of the goods subject to retention of title occurs for us as a manufacturer pursuant to § 950 BGB (German Civil Code), without obligating us. Goods not paid for by the time of the due date can be reclaimed at any time without an indication of reasons in return for a credit note and must be immediately paid over to the authorized agent.

### 12. Place of performance - venue

The place of performance for the purchaser's duty of payment and the place of venue for both parts is Hermaringen. We are also authorized to file suit against the purchaser in any other allowable place of venue. German law shall apply for all legal relationships between the purchaser and us to the exclusion of foreign law.

### 13. Severability clause

Should individual provisions of these Terms and Conditions of Sale and Delivery be or become invalid, in whole or in part, the remaining Terms and Conditions shall remain effective. (Subject to alterations)

For any further information about our company and products, please go to  
**[www.wikora.de](http://www.wikora.de)**



WIKORA GmbH  
SolarSpeicherSysteme  
Friedrichstraße 9 · 89568 Hermaringen  
Deutschland

Phone 0049 7322 9605-0  
Fax 0049 07322 9605-30

[contact@wikora.de](mailto:contact@wikora.de) · [www.wikora.de](http://www.wikora.de)

We assume no responsibility for misprint. Other price lists are invalid.  
Value-added tax is additional to all prices. Technical changes may be made without  
notification.