

# WIKORA

## SolarSpeicherSysteme


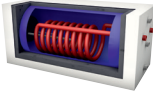


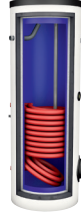
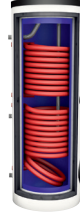



## Storage tanks overview 2018

DHW-, Combi- and Buffer tanks










## DHW storage tanks

|                         | WBO TB/ToFB   | WBL   | WBO Uno   | WBO Duo   | WBO H   | WP/SOL  | GS  |
|-------------------------|---|---|---|---|---|---|---|
|                         |  |  |  |  |  |  |  |
| 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   |
|-------------------------|---|---|---|---|---|---|---|
|                         |  |  |  |  |  |  |  |
| 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  |
|-------------------------|---|---|---|--|---|---|
|                         |  |  |  |  |  |  |
| 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   |

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

## Miscellaneous

|                        | WKS complete  | WKS   | Wikosun LiSa  | WHW  | WHW   |
|------------------------|---|---|---|--|---|
|                        |  |  |  |  |  |
| 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, 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                                     |

### Comprehensive standard range and individual product solutions

Whether for heating, cooling or storing domestic hot water and /or heating water, the Wikora product range offers the right solution for every application.

- DHW storage tanks
- Combi buffer tanks
- Buffer tanks
- Chilled water buffer tanks
- Individual storage tanks



### We place great emphasis on quality and reliability

All Wikora tanks are manufactured exclusively from high quality materials on our own premises and comply with the latest technical standards. Their convincing advantages are high efficiency, maximum user benefits, long service life and excellent product quality.

- More than 60 years experience in tank production
- Leading technical know-how
- High degree of flexibility
- Production in compliance with current standards
- TÜV-certified production
- Nominal volume compliant with DIN 4753-1
- Quality assurance according to EN 12897
- Quality German products

## Components individual storage tanks

### Storage tank

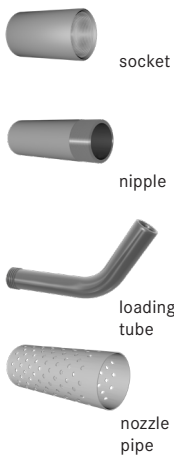
incl. vent, without connections



| 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

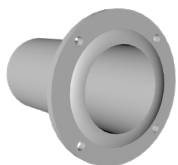
### Sockets, nipples, loading tubes, nozzle pipes



| Inch   | Dimension     |  |
|--------|---------------|--|
|        | 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 |
|---------------|
| DN 10         |
| DN 15         |
| DN 20         |
| DN 25         |
| DN 32         |
| DN 40         |
| DN 50         |
| DN 65         |

### Flange

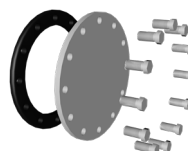
without blind flange, seal and screws



| 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       |

# Individual storage tanks

## 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> |

| 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

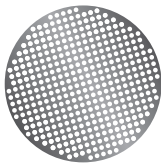
made of stainless steel, spirally corrugated tube



| 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



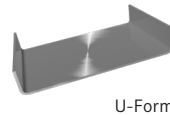
| Storage tank- |
|---------------|
| 500 mm        |
| 600 mm        |
| 650 mm        |
| 790 mm        |
| 850 mm        |
| 1000 mm       |
| 1100 mm       |
| 1200 mm       |
| 1250 mm       |



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

## 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            |

| 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

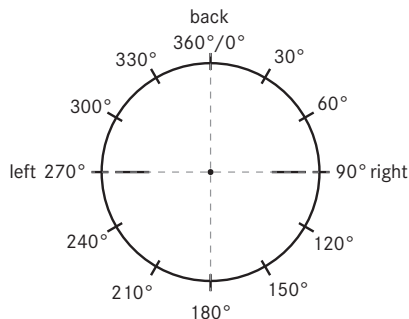
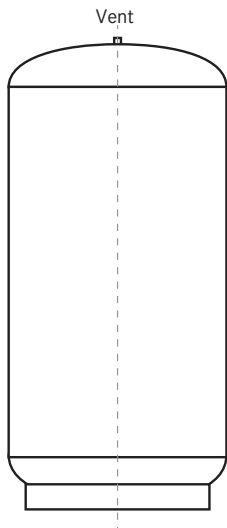
Working pressure \_\_\_\_\_ bar

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

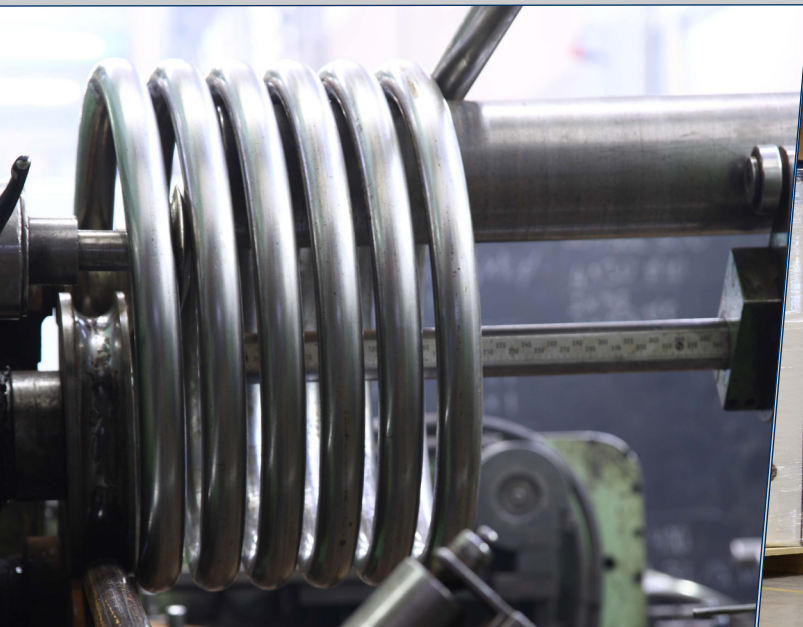
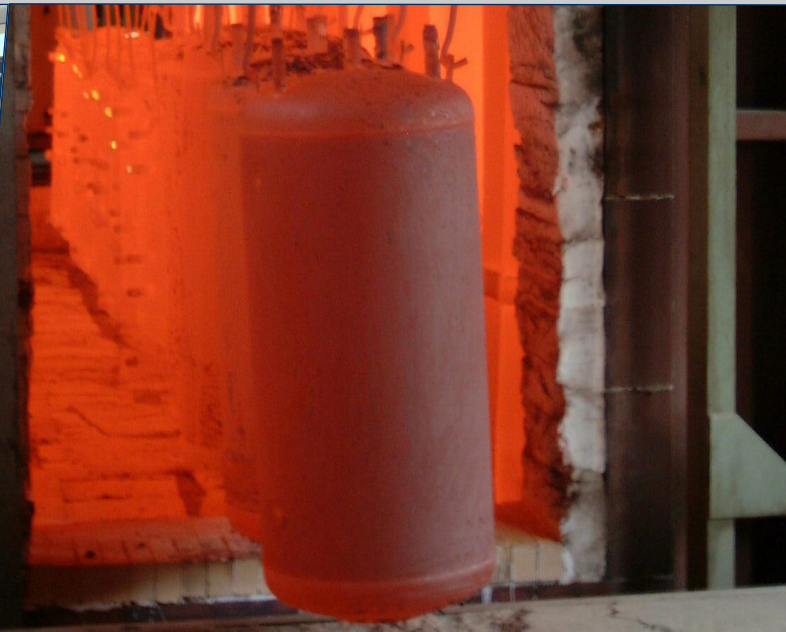
| Pos.                                       | Description | Dimension<br>Ga/Gi <sup>1)</sup> /DN | Design | Qty | Height <sup>2)</sup><br>[mm] | Pos.<br>[°] | Gross price<br>01/2018 [€] |
|--|-------------|--------------------------------------|--------|-----|------------------------------|-------------|----------------------------|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

Other

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_



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