

# **WATER HEATERS AND HOT WATER STORAGE TANKS**



**RAČUNARIZACIJA**

**IT ALL BEGAN**  
WITH A SIMPLE IDEA



to produce the most cost-efficient and trouble-free water heater – the best storage heater. Every year, we think we are close enough to our goal. And yet, every year we produce more sophisticated water heaters, storage tanks and heating elements, ...

Maximum user comfort, energy efficiency and environmental responsibility are the main driving forces in our daily work.



|                                                     |    |                                                                                                                                            |
|-----------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ELECTRIC WATER HEATERS</b>                       | 8  | WALL-MOUNTED VERTICAL<br>OKHE ONE   OKHE SMART   OKHE   OKCE   OKCE 2/6 kW  <br>OKCE 2/4 kW   OKCE 2/2 kW                                  |
|                                                     | 14 | WALL-MOUNTED HORIZONTAL<br>OKCEV                                                                                                           |
|                                                     | 15 | NON-PRESSURE FLOW HEATERS<br>PTO                                                                                                           |
|                                                     | 16 | PRESSURE FLOW HEATERS<br>MX                                                                                                                |
|                                                     | 17 | SMALL CAPACITY PRESSURE<br>AND NON PRESSURE WATER HEATERS<br>TO 5.1   TO 10.1   TO 15   TO 20.1                                            |
| <b>ELECTRIC WATER HEATERS<br/>AND STORAGE TANKS</b> | 22 | FLOOR-STANDING<br>OKCE S/2,2 kW                                                                                                            |
|                                                     | 23 | FLOOR-STANDING<br>FOR INSTALATION ELECTRIC HEATING ELEMENT<br>OKCE S                                                                       |
| <b>COMBINED WATER HEATERS</b>                       | 28 | WALL-MOUNTED VERTICAL<br>OKC                                                                                                               |
|                                                     | 29 | WALL-MOUNTED HORIZONTAL<br>OKCV                                                                                                            |
| <b>HOT WATER STORAGE TANKS</b>                      | 32 | WALL-MOUNTED VERTICAL<br>OKC/1 m <sup>2</sup>                                                                                              |
|                                                     | 33 | FLOOR-STANDING<br>OKCE NTR/2,2 kW                                                                                                          |
|                                                     | 35 | FLOOR-STANDING INDIRECT HEATING<br>OKC NTR/BP   OKC NTRR/BP   OKC NTR   OKC NTRR<br>OKC NTR/HV   OKH NTR/HV   OKC NTR/HP   OKC NTRR/HP/SOL |
|                                                     | 46 | FLOOR-STANDING<br>OKC NTRR/SOL                                                                                                             |
| <b>ACCESSORIES</b>                                  | 48 | IPS ProtectX   Protect CH                                                                                                                  |
|                                                     | 49 | ORIGINAL PARTS FROM DRAŽICE                                                                                                                |
|                                                     | 52 | ACCESSORY TABLES                                                                                                                           |
| <b>ANOTHER ASSORTMENT</b>                           | 56 | PHOTOVOLTAIC                                                                                                                               |
|                                                     | 56 | STORAGE TANKS                                                                                                                              |
|                                                     | 57 | AIR-CONDITIONING - SPLIT AND MULTISPLIT                                                                                                    |

Tolerance of all stated dimensions complies with ČSN ISO 2768-c.

Note: \* The value is derived by calculation \*\* For models 200 and 250, a 6 bar safety valve is included.

## MAIN ADVANTAGES

### RELIEF VALVE T-3160



The relief valve consists of a brass body (designed for contact with drinking water) without surface treatment and a replaceable head.

The point of contact between the body and the head is sealed with an O-ring made of EPDM rubber and secured against separation by a cotter pin made of corrosion proof steel.

The advantage of the T-3160 relief valve is the easy installation and replacement of the head without the need to replace the brass body. It has a removable safety part that can be purchased as a spare part at DZ Dražice company. It connects to an external thread, making it easy to connect to the system. The drain can be adjusted in any direction within 360°. Precise adjustment of the opening pressure is guaranteed.

Each valve has a non-interchangeable identification, which can be used to obtain feedback on the behaviour of the valve in operation, or used in a complaint.

### CRYSTAL ENAMEL®



DZD water heaters and hot water storage tanks are protected inside by a unique Crystal Enamel anti-corrosion coating developed in cooperation with the German company Wendel. This layer is hygienically clean and therefore suitable for permanent contact with drinking water. Unlike the stainless steel, Crystal Enamel is resistant to pitting corrosion in the environment of hard and chlorinated water.

### THERMO GEN®



Thermogen4 is the fourth generation of our exclusive insulating foam, which has been developed in cooperation with the company of Covestro, for attaining the most optimal heat-loss coefficients. The key here is a unique mixture tailor-made for our heaters. Its qualities are in line with all current and future trends in the field of heaters. It excels both in its insulating qualities as well as its shape integrity. Moreover, we are one of the first manufacturers in Europe able to meet the strictest ecological requirements of the EU, and thereby significantly contribute to protecting the atmosphere and the environment.

### CERAMIC SOLUTION®



The Ceramic Solution electrical heating unit is exceptionally resistant to hard and aggressive water and significantly extends the life of the water heater and storage tank under any conditions. This ensures the long-term stable performance of the heater system due to reduced limescale. DZD is a pioneer in this water heating solution; they have been using it in their products for over 50 years.



INLETS



Legend to

## ICONS

OUTLETS



INSTALLATION



Gas boiler



Solid fuel boiler



Biomass boiler



Fireplace insert



Electric heating – dry ceramic electrical heating unit TPK



Electric heating – wet electrical heating unit TJ 6/4"



Electric heating – series R, SE electrical heating unit



Electrical heating unit (part of the product)



Heat pump



Photothermic solar power system



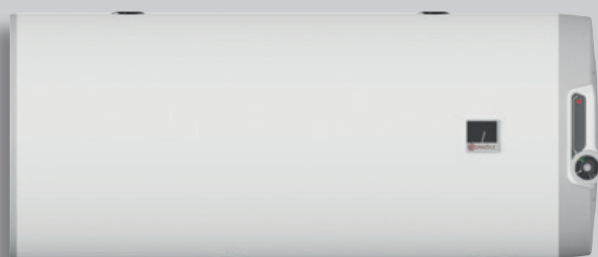
Photovoltaic solar power system



Hot water



Universal bracket





## **ELECTRIC WATER HEATERS**

WALL-MOUNTED VERTICAL

WALL-MOUNTED HORIZONTAL

LOW-PRESSURE FLOW HEATERS

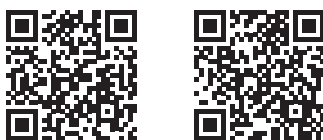
PRESSURE FLOW HEATERS

LOW-CAPACITY PRESSURE  
AND LOW-PRESSURE STORAGE TANKS

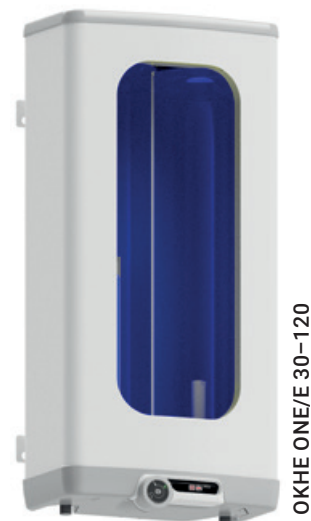


- New flat heater in models 30–120
- Suitable for installation in restricted areas, it can be built in the kitchen line; **Horizontal installation possible by models 30 and bigger**
- Quick water heating due to the concept of two vessels
- It combines the traditional DZD technology and modern design
- Possible alternatives to the replacement of the gas heater
- New electronic thermostat

## Video tutorials:



with a universal hinge, width of the groove  
on M6 screw                      on M8 screw

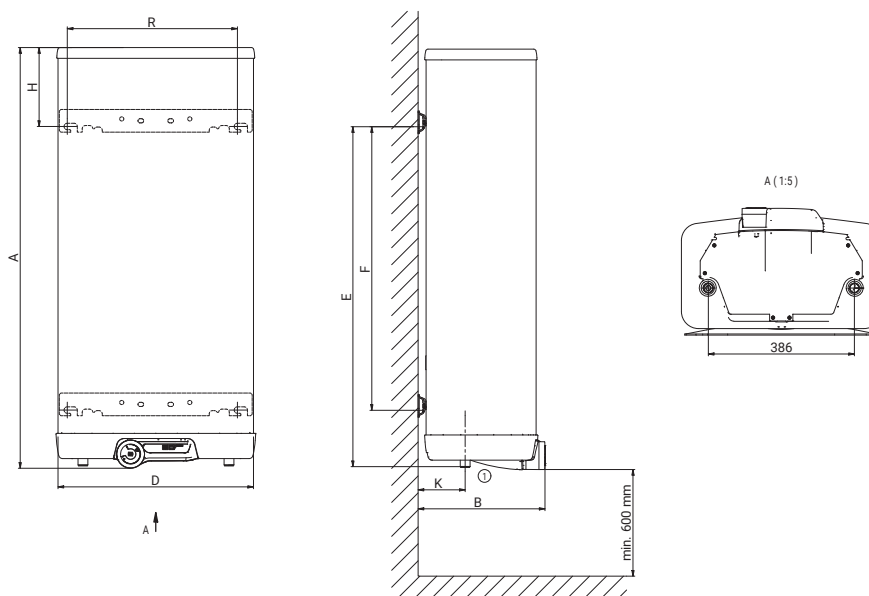


OKHE ONE/E 30-120

| Type of storage tank                        |                                       | OKHE ONE/E 30      | OKHE ONE/E 50 | OKHE ONE/E 80 | OKHE ONE/E 100 | OKHE ONE/E 120 |
|---------------------------------------------|---------------------------------------|--------------------|---------------|---------------|----------------|----------------|
| Order number                                |                                       | 1811108101         | 1805108101    | 1801108101    | 1808108101     | 1803108101     |
| Capacity                                    | [l]                                   | 28                 | 41            | 65            | 80             | 98             |
| Max. weight of the empty water heater       | [kg]                                  | 22                 | 31            | 46            | 55             | 62             |
| Insulation thickness                        | [mm]                                  | min. 33            |               |               |                |                |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022              |               |               |                |                |
| Power consumption of the el. heating unit   | [W]                                   | 1100               | 2000          |               |                |                |
| Heating time from 10 °C to 60 °C            | [h]                                   | 1,5                | 1,5           | 2             | 2,5            | 3              |
| Electrical connection                       |                                       | 1/N/PE ~ 230V/50Hz |               |               |                |                |
| Recommended circuit breaker size            | [A]                                   | 10                 | 16            |               |                |                |
| Degree of protection                        |                                       | IP44               |               |               |                |                |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            | 80/6               |               |               |                |                |
| Energy efficiency class                     |                                       | C                  |               |               |                |                |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 561                | 1353          | 1378          | 1405           | 1403           |
| Mixed water V40                             | [l]                                   | 39,37              | 72,16         | 88,77         | 113,12         | 118,16         |

| Dimensions [mm] | A    | B   | D   | E    | F    | H   | K   | R   |
|-----------------|------|-----|-----|------|------|-----|-----|-----|
| OKHE ONE/E 30   | 610  | 335 | 517 | 485  | 350  | 125 | 125 | 450 |
| OKHE ONE/E 50   | 845  | 335 | 517 | 710  | 560  | 125 | 125 | 450 |
| OKHE ONE/E 80   | 1115 | 335 | 517 | 900  | 750  | 205 | 125 | 450 |
| OKHE ONE/E 100  | 1325 | 335 | 517 | 1120 | 950  | 205 | 125 | 450 |
| OKHE ONE/E 120  | 1545 | 335 | 517 | 1345 | 1150 | 205 | 125 | 450 |

SOCKET NO. 1 ¾" outer





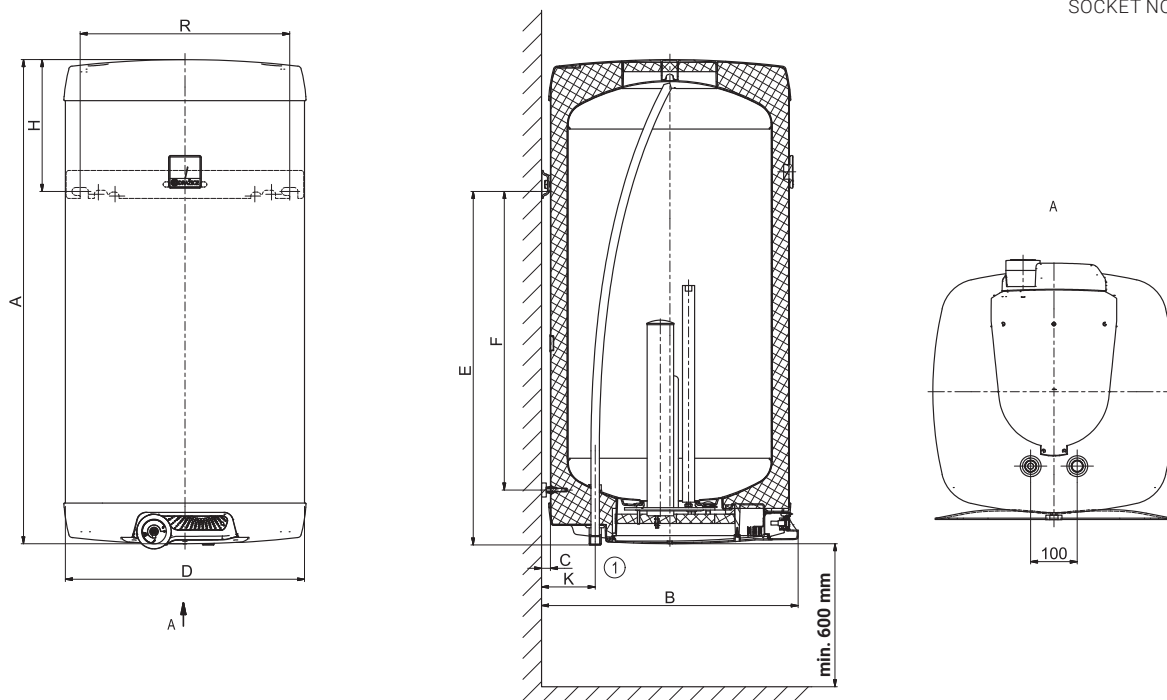
- Electric water heater combining the best available technologies
- Contains self-learning Smart Control Unit for optimisation of consumption, saving up to 15% on expense
- Can be controlled using DZD smartphone app (Android/iOS)
- Smart HDO function (low tariff): the heater recognizes the low tariff in electrical network.
- Independent diagnostics of malfunctions, e.g. status of protective anodes
- Can be used as a classic heater
- Can be plugged into any socket without temporal or other control



| Type of storage tank                        |                                       | OKHE 100 SMART     | OKHE 125 SMART | OKHE 160 SMART |
|---------------------------------------------|---------------------------------------|--------------------|----------------|----------------|
| Order number                                |                                       | 140811601          | 140311601      | 140611601      |
| Capacity                                    | [l]                                   | 100                | 125            | 149            |
| Max. weight of the empty water heater       | [kg]                                  | 39                 | 46             | 52             |
| Insulation thickness                        | [mm]                                  | až 80              |                |                |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022              |                |                |
| Power consumption of the el. heating unit   | [W]                                   | 2200               |                |                |
| Heating time from 10 °C to 60 °C            | [h]                                   | 2,6                | 3,3            | 3,9            |
| Electrical connection                       |                                       | 1/N/PE ~ 230V/50Hz |                |                |
| Recommended circuit breaker size            | [A]                                   | 16                 |                |                |
| Degree of protection                        |                                       | IP44               |                |                |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            | 80/6               |                |                |
| Energy efficiency class                     |                                       | B                  |                |                |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 1217               | 1255           | 2487           |
| Mixed water V40                             | [l]                                   | 165,41             | 231,10         | 242,83         |

| Dimensions [mm] | A    | B   | C  | D   | E    | F   | H   | K   | R   |
|-----------------|------|-----|----|-----|------|-----|-----|-----|-----|
| OKHE 100 SMART  | 885  | 550 | 19 | 520 | 727  | 605 | 148 | 117 | 450 |
| OKHE 125 SMART  | 1050 | 550 | 19 | 520 | 757  | 638 | 283 | 117 | 450 |
| OKHE 160 SMART  | 1235 | 550 | 19 | 520 | 1000 | 880 | 225 | 117 | 450 |

SOCKET NO. 1 ¾" outer





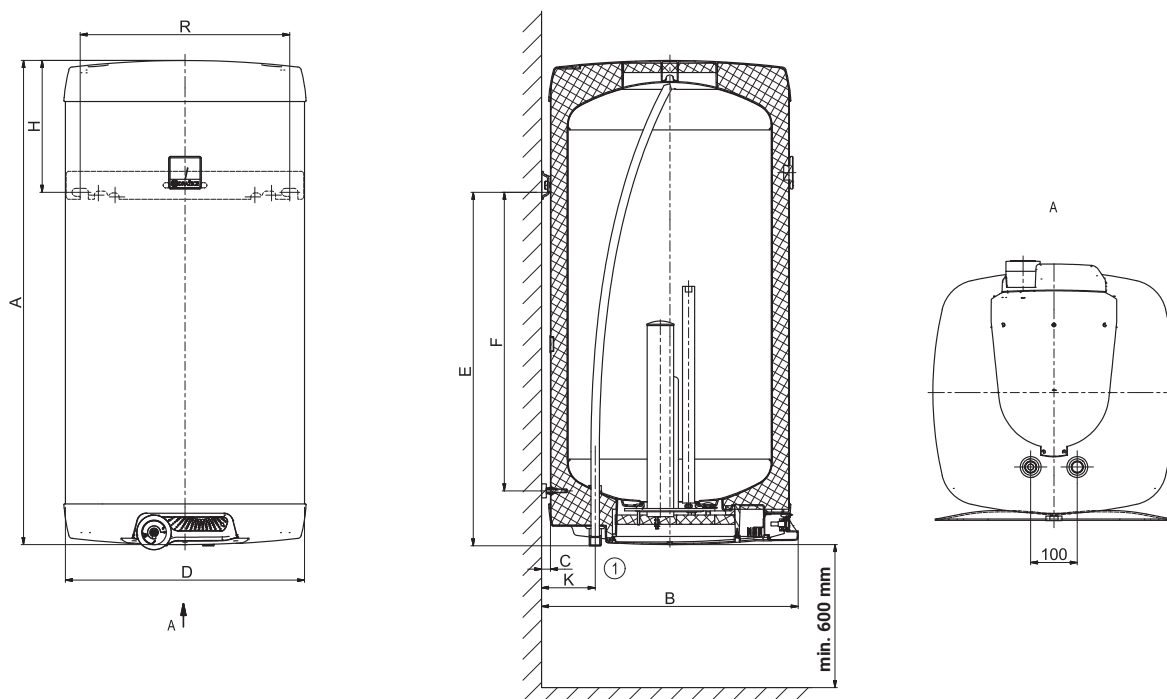
- Produced as wall-mounted and square-shaped – more interesting design
- With a 2.2 kW electrical heating unit
- Above-average thickness of insulation in corners



| Type of storage tank                        |                                       | OKHE 80            | OKHE 100  | OKHE 125  | OKHE 160  |
|---------------------------------------------|---------------------------------------|--------------------|-----------|-----------|-----------|
| Order number model 2,2 kW                   |                                       | 140110801          | 140810801 | 140310801 | 140610801 |
| Capacity                                    | [l]                                   | 75                 | 100       | 121       | 153       |
| Max. weight of the empty water heater       | [kg]                                  | 34                 | 38        | 45        | 51        |
| Insulation thickness                        | [mm]                                  | až 80              |           |           |           |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022              |           |           |           |
| Power consumption of the el. heating unit   | [W]                                   | 2200               |           |           |           |
| Heating time from 10 °C to 60 °C            | [h]                                   | 2                  | 2,6       | 3,2       | 4         |
| Electrical connection                       |                                       | 1/N/PE ~ 230V/50Hz |           |           |           |
| Recommended circuit breaker size            | [A]                                   | 16                 |           |           |           |
| Degree of protection                        |                                       | IP44               |           |           |           |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            | 80/6               |           |           |           |
| Energy efficiency class                     |                                       | C                  |           |           |           |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 1391               | 1395      | 1353      | 2715      |
| Mixed water V40                             | [l]                                   | 124,83             | 151,66    | 180,40    | 219,82    |

| Dimensions [mm] | A    | B   | C  | D   | E    | F   | H   | K   | R   |
|-----------------|------|-----|----|-----|------|-----|-----|-----|-----|
| OKHE 80         | 740  | 550 | 19 | 520 | 582  | 464 | 148 | 117 | 450 |
| OKHE 100        | 885  | 550 | 19 | 520 | 727  | 605 | 148 | 117 | 450 |
| OKHE 125        | 1050 | 550 | 19 | 520 | 757  | 638 | 283 | 117 | 450 |
| OKHE 160        | 1235 | 550 | 19 | 520 | 1000 | 880 | 225 | 117 | 450 |

SOCKET NO. 1 ¾" outer





- Comes in wall-mounted version
- With a 2.2 kW electrical heating unit
- Ceramic heating element 4 kW or extra connection for circulation on demand (**not available for OKCE 50**)
- 1 wall-mounted console for models 50–160;  
2 wall-mounted consoles for model 200
- New electronic thermostat for OKCE/E type
- Typ OKCE/E is without a temperature indicator



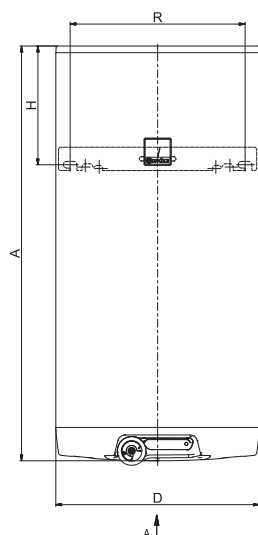
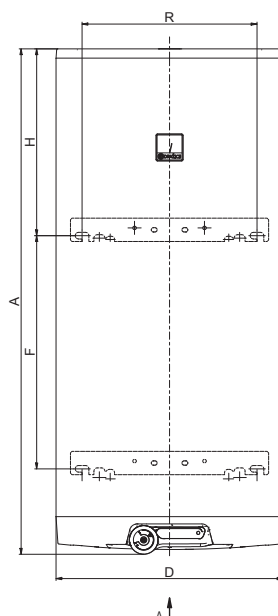
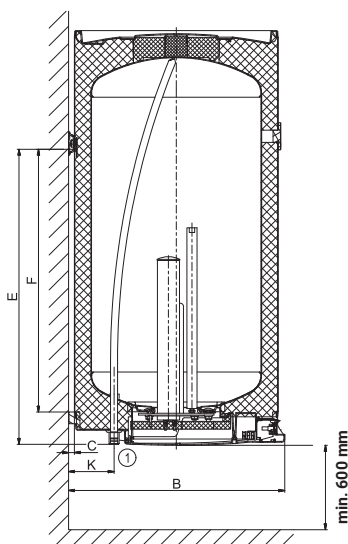
OKCE 50-160 / OKCE/E 125-160



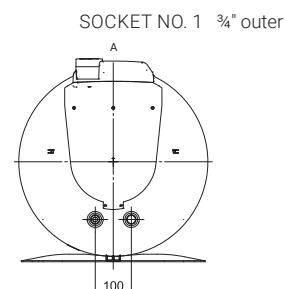
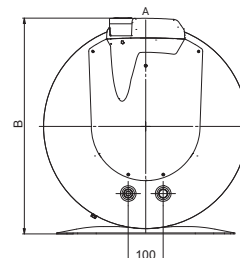
OKCE / OKCE/E 200

| Type of storage tank                        |                                       | OKCE 50            | OKCE 80    | OKCE 100   | OKCE 125   | OKCE 160   | OKCE 200   |
|---------------------------------------------|---------------------------------------|--------------------|------------|------------|------------|------------|------------|
| Order number model 2,2 kW                   |                                       | 1105108101         | 1101108101 | 1108108101 | 1103108101 | 1106108101 | 1107108101 |
| Order number model 4 kW                     |                                       |                    | 1101108103 | 1108108103 | 1103108103 | 1106108103 | 1107108103 |
| Order number model 2,2 kW with circulation  |                                       |                    | 1101108104 | 1108108104 | 1103108104 | 1106108104 | 1107108104 |
| Order number model 4 kW with circulation    |                                       |                    |            |            | 1103108110 | 1106108110 | 1107108110 |
| Type of storage tank                        |                                       |                    |            |            | OKCE/E 125 | OKCE/E 160 | OKCE/E 200 |
| Order number model 2,2 kW                   |                                       |                    |            |            | 1103108117 | 1106108117 | 1107108117 |
| Capacity                                    | [l]                                   | 49                 | 75         | 97         | 122        | 149        | 199        |
| Max. weight of the empty water heater       | [kg]                                  | 28                 | 32         | 39         | 43         | 49         | 66         |
| Insulation thickness                        | [mm]                                  | 42                 |            |            |            |            |            |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022              |            |            |            |            |            |
| Power consumption of the el. heating unit   | [W]                                   | 2200               |            |            |            |            |            |
| Heating time from 10 °C to 60 °C            | [h]                                   | 1,3                | 2          | 2,6        | 3,2        | 3,9        | 5,3        |
| Electrical connection                       |                                       | 1/N/PE ~ 230V/50Hz |            |            |            |            |            |
| Recommended circuit breaker size            | [A]                                   | 16                 |            |            |            |            |            |
| Degree of protection                        |                                       | IP44               |            |            |            |            |            |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            | 80/6               |            |            |            |            |            |
| Energy efficiency class                     |                                       | C                  |            |            |            |            |            |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 1365               | 1342       | 1362       | 1409       | 2622       | 4403       |
| Mixed water V40                             | [l]                                   | 80,84              | 138,70     | 165,41     | 231,10     | 242,83     | 331,26     |

| Dimensions [mm]   | A    | B   | C  | D   | E    | F   | H   | K   | R   |
|-------------------|------|-----|----|-----|------|-----|-----|-----|-----|
| OKCE 50           | 585  | 562 | 14 | 524 | 440  | 369 | 135 | 116 | 450 |
| OKCE 80           | 757  | 562 | 14 | 524 | 605  | 508 | 142 | 116 | 450 |
| OKCE 100          | 902  | 562 | 14 | 524 | 725  | 654 | 167 | 116 | 450 |
| OKCE / OKCE/E 125 | 1067 | 555 | 14 | 524 | 760  | 682 | 297 | 116 | 450 |
| OKCE / OKCE/E 160 | 1255 | 555 | 14 | 524 | 1000 | 925 | 245 | 116 | 450 |
| OKCE / OKCE/E 200 | 1300 | 617 | 14 | 584 | 806  | 600 | 480 | 116 | 450 |


 OKCE 50-160  
OKCE/E 125-160


OKCE / OKCE/E 200


 OKCE 50-160  
OKCE/E 125-160


OKCE / OKCE/E 200

# OKCE 2/6 kW

## ELECTRIC WATER HEATERS

## WALL-MOUNTED VERTICAL



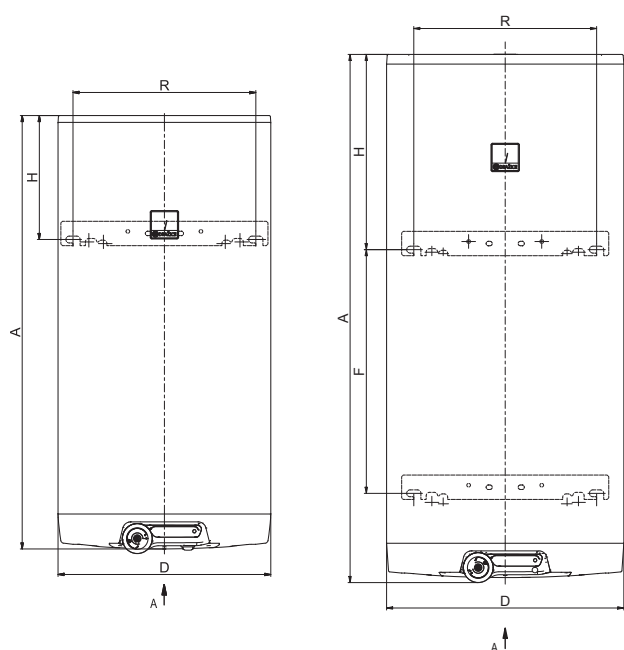
- Comes in wall-mounted version
- With 2/6 kW heating modes
- 2/6 kW models are equipped with a rapid water heater
- Rapid heating can be activated remotely by an external switch by the 2/6 models



| Type of storage tank                        |                                       | OKCE 125 2/6 kW    | OKCE 160 2/6 kW | OKCE 200 2/6 kW |
|---------------------------------------------|---------------------------------------|--------------------|-----------------|-----------------|
| Order number                                |                                       | 1103108105         | 1106108105      | 1107108105      |
| Capacity                                    | [l]                                   | 122                | 149             | 199             |
| Max. weight of the empty water heater       | [kg]                                  | 45                 | 52              | 70              |
| Insulation thickness                        | [mm]                                  | 42                 |                 |                 |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022              |                 |                 |
| Power consumption of the el. heating unit   | [W]                                   | 2000+4000          |                 |                 |
| Heating time from 10 °C to 60 °C            | [h]                                   | 3,6/1,1            | 4,4/1,4         | 5,8/1,8         |
| Electrical connection                       |                                       | 3/N/PE ~ 400V/50Hz |                 |                 |
| Recommended circuit breaker size            | [A]                                   | 3 x 16             |                 |                 |
| Degree of protection                        |                                       | IP44               |                 |                 |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            | 80/6               |                 |                 |
| Energy efficiency class                     |                                       | C                  |                 |                 |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 1409               | 2622            | 4403            |
| Mixed water V40 (for 2 kW)                  | [l]                                   | 231,10             | 242,83          | 331,26          |

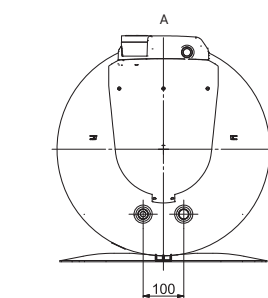
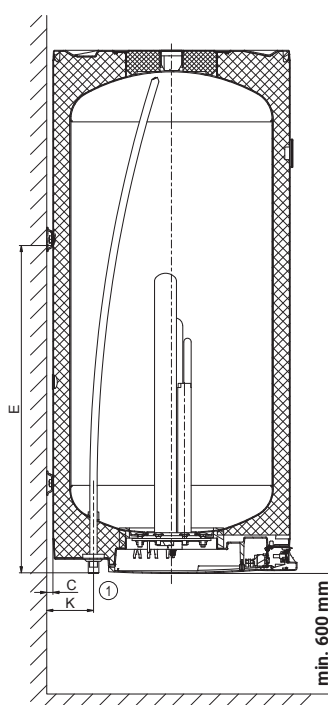
| Dimensions [mm] | A    | B   | C  | D   | E    | F   | H   | K   | R   |
|-----------------|------|-----|----|-----|------|-----|-----|-----|-----|
| OKCE 125 2/6 kW | 1067 | 555 | 14 | 524 | 760  | 682 | 297 | 116 | 450 |
| OKCE 160 2/6 kW | 1255 | 555 | 14 | 524 | 1000 | 925 | 245 | 116 | 450 |
| OKCE 200 2/6 kW | 1300 | 617 | 14 | 584 | 806  | 600 | 480 | 116 | 450 |

SOCKET NO. 1 ¾" outer

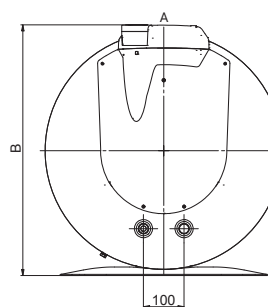


OKCE 125-160 2/6 kW

OKCE 200 2/6 kW



OKCE 125-160 2/6 kW



OKCE 200 2/6 kW

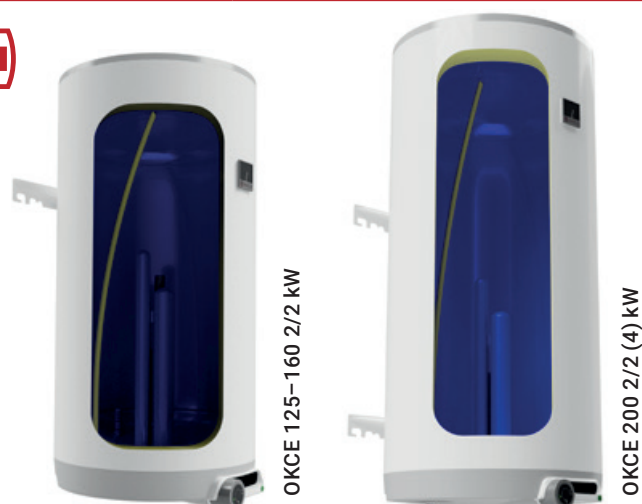
# OKCE 2/4 kW, 2/2 kW

## ELECTRIC WATER HEATERS

## WALL-MOUNTED VERTICAL



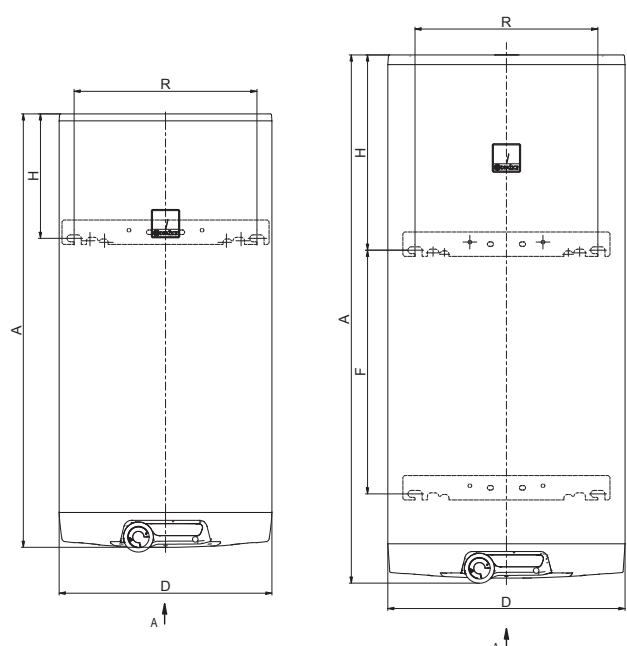
- Comes in wall-mounted version
- They have 2 independent heating circuits
- With 2/4 kW or 2/2 kW heating modes
- Can use surplus electricity from solar panels
- Can be used for tariff heating from 2 energy suppliers



| Type of storage tank                        |                                       | OKCE 125 2/2 kW       | OKCE 160 2/2 kW | OKCE 200 2/2 kW | OKCE 200 2/4 kW                                 |
|---------------------------------------------|---------------------------------------|-----------------------|-----------------|-----------------|-------------------------------------------------|
| Order number                                |                                       | 1103108115            | 1106108115      | 1107108115      | 1107108102                                      |
| Capacity                                    | [l]                                   | 122                   | 149             | 199             | 200                                             |
| Max. weight of the empty water heater       | [kg]                                  | 45                    | 52              | 70              | 70                                              |
| Insulation thickness                        | [mm]                                  | 42                    |                 |                 |                                                 |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022                 |                 |                 |                                                 |
| Power consumption of the el. heating unit   | [W]                                   | 2000/2200             |                 |                 | 2000/4000                                       |
| Heating time from 10 °C to 60 °C            | [h]                                   | 3,6/3,2               | 4,4/3,9         | 5,8/5,3         | 5,8/2,9                                         |
| Electrical connection                       |                                       | 2x 1/N/PE ~ 230V/50Hz |                 |                 | 1/N/PE ~ 230V/50Hz<br>3/N/PE ~ 3x 230 V / 50 Hz |
| Recommended circuit breaker size            | [A]                                   | 16, 16                |                 |                 | 1 x 16; 3 x 16                                  |
| Degree of protection                        |                                       | IP44                  |                 |                 |                                                 |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            | 80/6                  |                 |                 |                                                 |
| Energy efficiency class                     |                                       | C                     |                 |                 |                                                 |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 1409                  | 2622            | 4403            | 4403                                            |
| Mixed water V40 (for 2 kW)                  | [l]                                   | 231,10                | 242,83          | 331,26          | 331,26                                          |

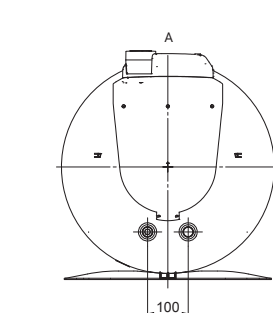
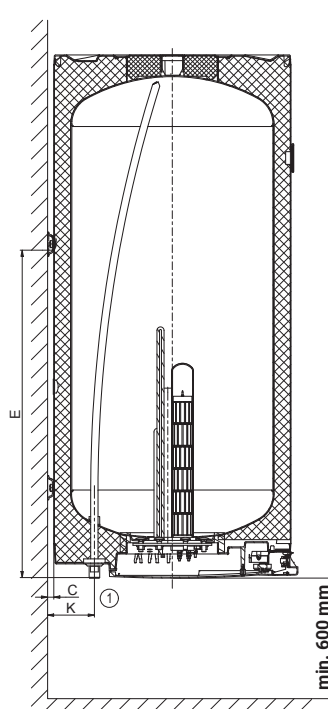
| Dimensions [mm] | A    | B   | C  | D   | E    | F   | H   | K   | R   |
|-----------------|------|-----|----|-----|------|-----|-----|-----|-----|
| OKCE 125 2/2 kW | 1067 | 555 | 14 | 524 | 760  | 682 | 297 | 116 | 450 |
| OKCE 160 2/2 kW | 1255 | 555 | 14 | 524 | 1000 | 925 | 245 | 116 | 450 |
| OKCE 200 2/2 kW | 1300 | 617 | 14 | 584 | 806  | 600 | 480 | 116 | 450 |
| OKCE 200 2/4 kW | 1300 | 617 | 14 | 584 | 806  | 600 | 480 | 116 | 450 |

SOCKET NO. 1 ¾" outer

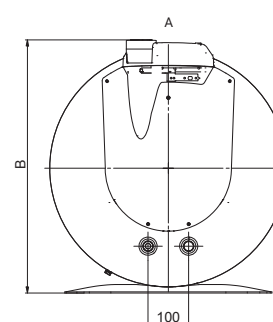


OKCE 125-160 2/2 kW

OKCE 200 2/2 (4) kW



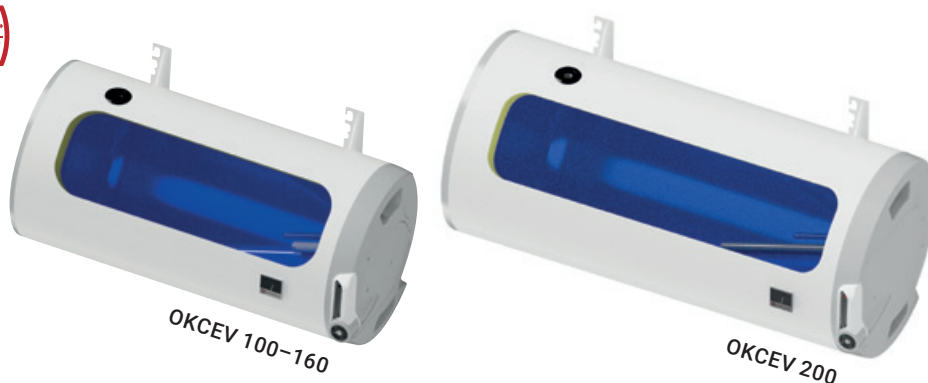
OKCE 125-160 2/2 kW



OKCE 200 2/2 (4) kW

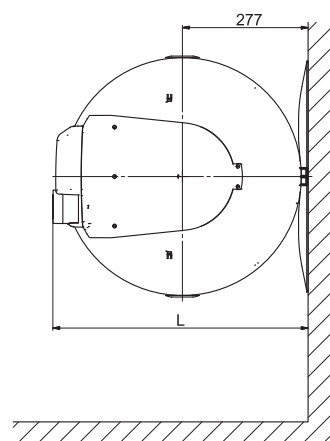


- Produced solely in right-hand design
- With a 2.2 kW electrical heating unit
- Ceramic heating element 4 kW or extra connection for circulation on demand
- Includes flexible wall hinge

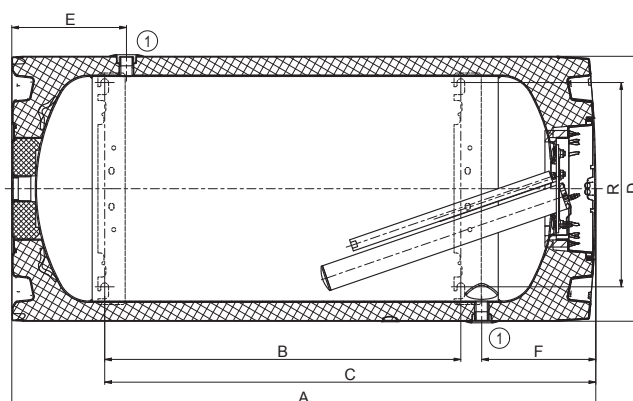
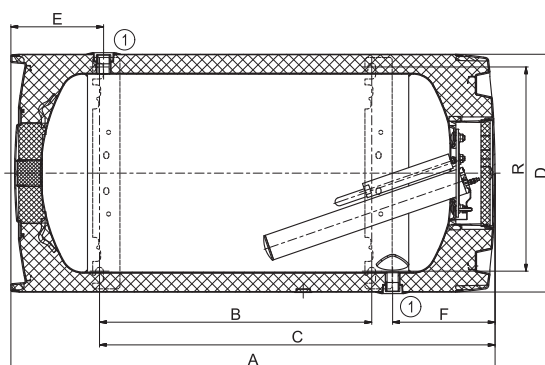


| Type of storage tank                        |                                       | OKCEV 100          | OKCEV 125  | OKCEV 160  | OKCEV 200  |
|---------------------------------------------|---------------------------------------|--------------------|------------|------------|------------|
| Order number model 2,2 kW                   |                                       | 1108308211         | 1103308211 | 1106308211 | 1107308211 |
| Order number model 4 kW                     |                                       |                    |            |            | 1107308203 |
| Order number model 2,2 kW with circulation  |                                       |                    |            |            | 1107308204 |
| Order number model 4 kW with circulation    |                                       |                    |            |            | 1107308210 |
| Capacity                                    | [l]                                   | 98                 | 123        | 148        | 201        |
| Max. weight of the empty water heater       | [kg]                                  | 42                 | 48         | 54         | 71         |
| Insulation thickness                        | [mm]                                  | 42                 |            |            |            |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022              |            |            |            |
| Power consumption of the el. heating unit   | [W]                                   | 2200               |            |            |            |
| Heating time from 10 °C to 60 °C            | [h]                                   | 2,6                | 3,3        | 3,9        | 5,3        |
| Electrical connection                       |                                       | 1/N/PE ~ 230V/50Hz |            |            |            |
| Recommended circuit breaker size            | [A]                                   | 16                 |            |            |            |
| Degree of protection                        |                                       | IP42               |            |            |            |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            | 80/6               |            |            |            |
| Energy efficiency class                     |                                       | C                  |            |            |            |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 1402               | 2614       | 2691       | 4324       |
| Mixed water V40                             | [l]                                   | 164,98             | 195,75     | 244,59     | 301,93     |

| Dimensions [mm] | A    | B   | C    | D   | E   | F   | L   | R   |
|-----------------|------|-----|------|-----|-----|-----|-----|-----|
| OKCEV 100       | 902  | 435 | 707  | 524 | 204 | 226 | 563 | 450 |
| OKCEV 125       | 1067 | 600 | 872  | 524 | 204 | 226 | 563 | 450 |
| OKCEV 160       | 1255 | 785 | 1057 | 524 | 254 | 226 | 563 | 450 |
| OKCEV 200       | 1290 | 785 | 1077 | 584 | 258 | 246 | 617 | 450 |

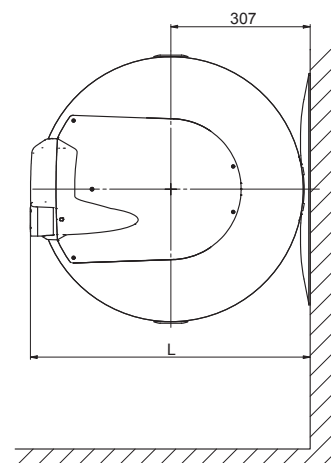


OKCEV 100-160



SOCKET NO. 1 3/4" inner

OKCEV 200





- With electrical heating units rated at 3,5 kW, 5 kW, 6,5 kW and 8 kW
- Use of a low-pressure water faucet is required
- Only for one consumption point

**BE.1845.A1**

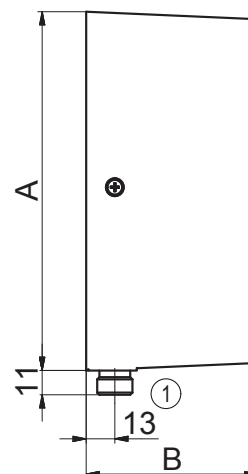
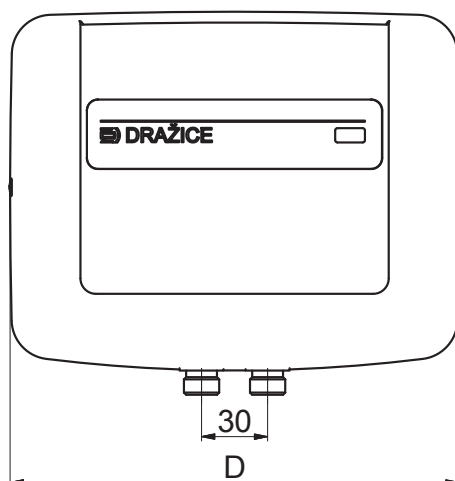
Order number: 100670002



| Type of storage tank                      |                        | PTO 3,5                  | PTO 5     | PTO 6,5              | PTO 8     |
|-------------------------------------------|------------------------|--------------------------|-----------|----------------------|-----------|
| Order number                              |                        | 105213210                | 105213211 | 105213212            | 105213213 |
| Weight                                    | [kg]                   | 1,6                      |           |                      |           |
| Power consumption of the el. heating unit | [W]                    | 3500                     | 5000      | 6500                 | 8000      |
| Heating                                   | [h]                    | by means of through-flow |           |                      |           |
| Electrical connection                     |                        | 1/N/PE ~ 230 V/50 Hz     |           | 3/N/PE ~ 400 V/50 Hz |           |
| Recommended circuit breaker size          | [A]                    | 20                       | 25        | 3 × 16               |           |
| Degree of protection                      |                        | IP25                     |           |                      |           |
| Energy efficiency class                   |                        | A                        |           |                      |           |
| Annual consumption                        | [kWh•a <sup>-1</sup> ] | 478                      | 475       | 465                  | 464       |

| Dimensions [mm] | A   | B  | D   |
|-----------------|-----|----|-----|
| PTO 3,5         | 161 | 80 | 204 |
| PTO 5           | 161 | 80 | 204 |
| PTO 6,5         | 175 | 80 | 204 |
| PTO 8           | 175 | 80 | 204 |

SOCKET NO. 1 3/8" outer



**MX****ELECTRIC WATER HEATERS****PRESSURE FLOW HEATERS**

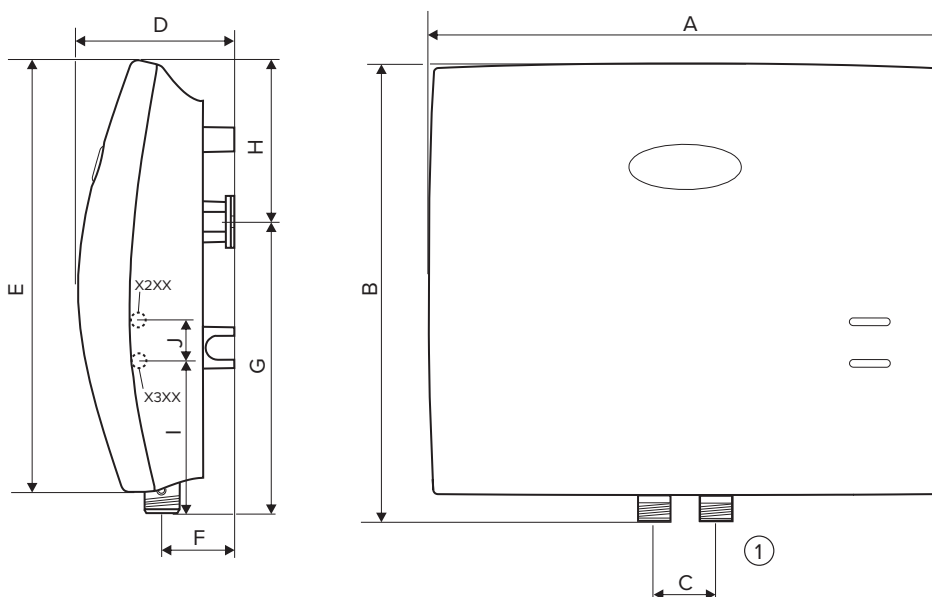
- Simple manual switching of water heating performance
- High comfort of water heating and significant electricity saving
- Possible connection to more consumption locations
- Assembly in the shower corner is not possible
- Power design: 4,5/7 kW; 5,5/9 kW; 5,5/11 kW



| Type of storage tank                      |                        | MX2207 - 4,5/7 kW          | MX2209 - 5,5/9 kW | MX2211 - 5,5/11 kW |
|-------------------------------------------|------------------------|----------------------------|-------------------|--------------------|
| Order number                              |                        | 105213310                  | 105213311         | 105213312          |
| Weight                                    | [kg]                   | 1,7                        |                   |                    |
| Power consumption of the el. heating unit | [W]                    | 4500 + 2500                | 5500 + 3500       | 2 x 5500           |
| Heating                                   | [h]                    | by means of through-flow   |                   |                    |
| Electrical connection                     |                        | 2/N/PE ~ 2 x 230 V / 50 Hz |                   |                    |
| Recommended circuit breaker size          | [A]                    | 3 x 20                     | 3 x 25            | 3 x 25             |
| Degree of protection                      |                        | IP24                       |                   |                    |
| Energy efficiency class                   |                        | A                          |                   |                    |
| Annual consumption                        | [kWh·a <sup>-1</sup> ] | 446                        | 460               | 453                |

| Dimensions [mm]    | A   | B   | C  | D  | E   | F  | G   | H     | I  | J  |
|--------------------|-----|-----|----|----|-----|----|-----|-------|----|----|
| MX2207 - 4,5/7 kW  | 246 | 218 | 30 | 75 | 208 | 40 | 140 | 78+25 | 74 | 20 |
| MX2209 - 5,5/9 kW  | 246 | 218 | 30 | 75 | 208 | 40 | 140 | 78+25 | 74 | 20 |
| MX2211 - 5,5/11 kW | 246 | 218 | 30 | 75 | 208 | 40 | 140 | 78+25 | 74 | 20 |

SOCKET NO. 1 3/8" outer





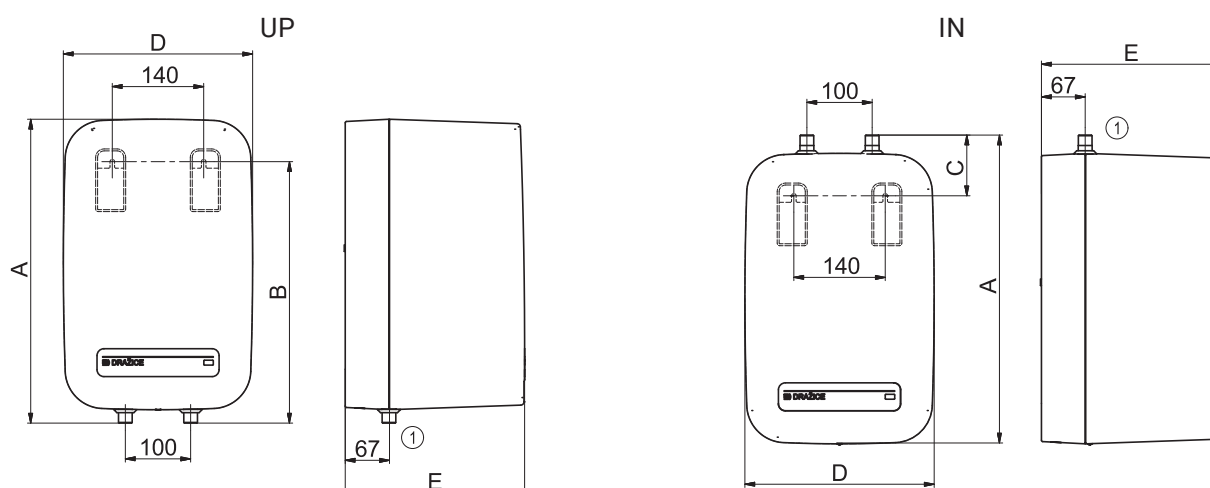
- Enamelled pressure vessel
- Electrical heating unit with power consumption of 1,5 kW
- Can be placed under (IN) or above (UP) the draw-off point
- For one or more consumption points



| Type of storage tank                        |                                       | TO 5.1 UP            | TO 5.1 IN | TO 10.1 UP | TO 10.1 IN |
|---------------------------------------------|---------------------------------------|----------------------|-----------|------------|------------|
| Order number                                |                                       | 182310801            | 182310802 | 182410801  | 182410802  |
| Capacity                                    | [l]                                   | 4,6                  |           | 9,6        |            |
| Weight                                      | [kg]                                  | 6                    |           | 8          |            |
| Insulation thickness                        | [mm]                                  | 20                   |           |            |            |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022                |           |            |            |
| Power consumption of the el. heating unit   | [W]                                   | 1500                 |           |            |            |
| Heating time from 10 °C to 60 °C            | [min]                                 | 13                   |           | 25         |            |
| Electrical connection                       |                                       | 1/N/PE ~ 230 V/50 Hz |           |            |            |
| Recommended circuit breaker size            | [A]                                   | 16                   |           |            |            |
| Degree of protection                        |                                       | IPX5                 |           |            |            |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            | 80/6                 |           |            |            |
| Energy efficiency class                     |                                       | A                    |           |            |            |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 497                  | 509       | 525        | 525        |

| Dimensions [mm] | A   | B   | C  | D   | E   |
|-----------------|-----|-----|----|-----|-----|
| TO 5.1 UP       | 330 | 265 | -  | 290 | 275 |
| TO 5.1 IN       | 338 | -   | 93 | 290 | 275 |
| TO 10.1 UP      | 465 | 400 | -  | 290 | 275 |
| TO 10.1 IN      | 473 | -   | 93 | 290 | 275 |

SOCKET NO. 1 ½" outer



# TO 15

## ELECTRIC WATER HEATERS

### SMALL-CAPACITY PRESSURE TYPE



- Enamelled pressure vessel
- Electrical heating unit with power consumption of 2 kW
- Can be placed under (IN) or above (UP) the consumption point
- For one or more consumption points



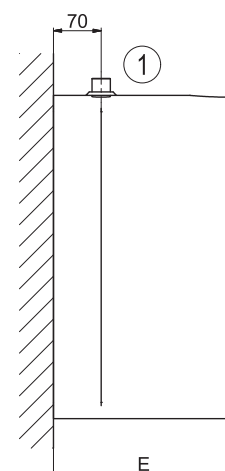
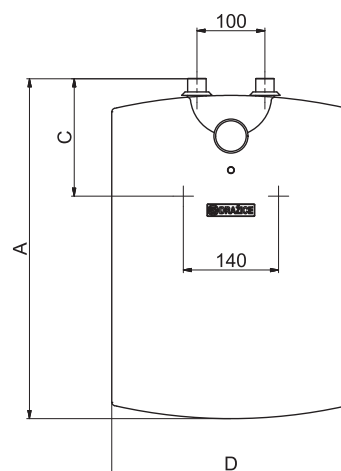
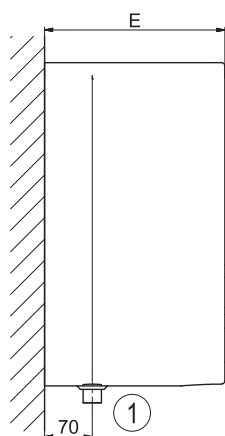
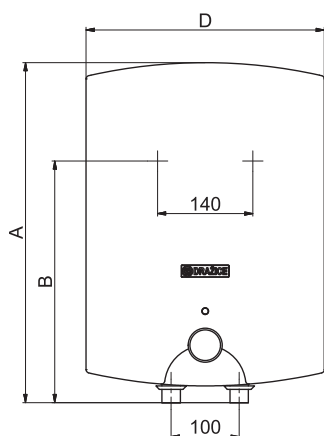
| Type of storage tank                        |                                       | TO 15 UP             | TO 15 IN  |
|---------------------------------------------|---------------------------------------|----------------------|-----------|
| Order number                                |                                       | 105313208            | 105313209 |
| Capacity                                    | [l]                                   | 14,8                 | 14,9      |
| Weight                                      | [kg]                                  |                      | 11        |
| Insulation thickness                        | [mm]                                  |                      | 30        |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] |                      | 0,025     |
| Power consumption of the el. heating unit   | [W]                                   |                      | 2000      |
| Heating time from 10 °C to 60 °C            | [min]                                 |                      | 29        |
| Electrical connection                       |                                       | 1/N/PE ~ 230 V/50 Hz |           |
| Recommended circuit breaker size            | [A]                                   |                      | 16        |
| Degree of protection                        |                                       |                      | IP24      |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            |                      | 80/6      |
| Energy efficiency class                     |                                       |                      | A         |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 510                  | 523       |

| Dimensions [mm] | A   | B   | C   | D   | E   |
|-----------------|-----|-----|-----|-----|-----|
| TO 15 UP        | 495 | 410 | –   | 350 | 310 |
| TO 15 IN        | 495 | –   | 130 | 350 | 310 |

SOCKET NO. 1 ½" outer

UP

IN





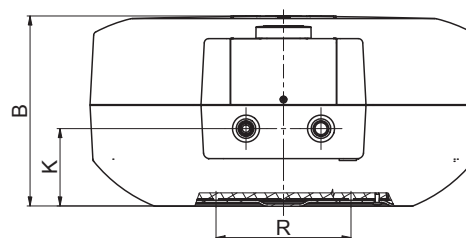
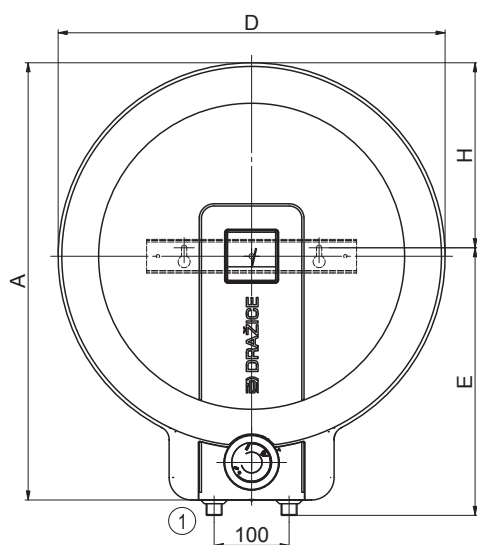
- Enamelled pressure vessel
- Electrical heating unit with power consumption of 2.2 kW
- The storage tank is of sufficient capacity for a shower or multiple washbasins



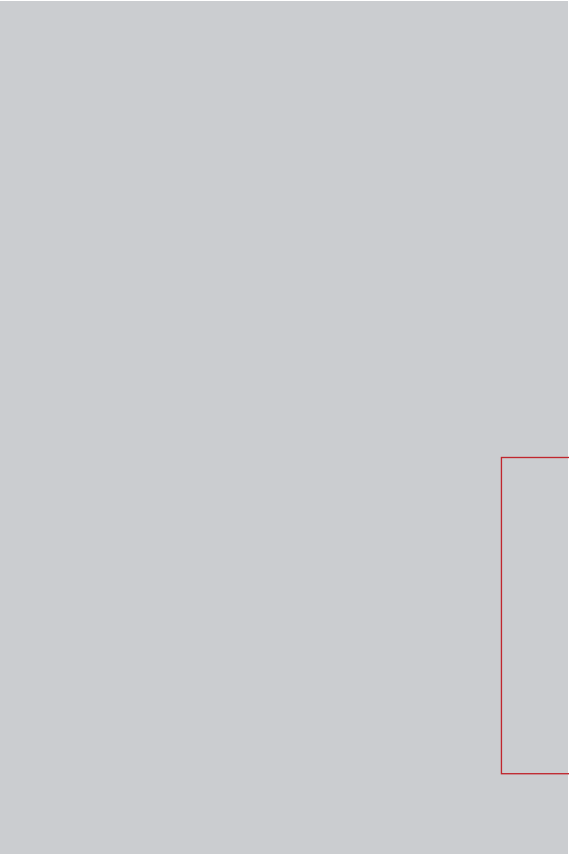
| Type of storage tank                        |                                       | TO 20.1              |
|---------------------------------------------|---------------------------------------|----------------------|
| Order number                                |                                       | 1202105101           |
| Capacity                                    | [l]                                   | 20                   |
| Max. weight of the empty water heater       | [kg]                                  | 12                   |
| Insulation thickness                        | [mm]                                  | 20                   |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022                |
| Power consumption of the el. heating unit   | [W]                                   | 2200                 |
| Heating time from 10 °C to 60 °C            | [min]                                 | 30                   |
| Electrical connection                       |                                       | 1/N/PE ~ 230 V/50 Hz |
| Recommended circuit breaker size            | [A]                                   | 16                   |
| Degree of protection                        |                                       | IP44                 |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            | 80/6                 |
| Energy efficiency class                     |                                       | A                    |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 485                  |
| Mixed water V40                             | [l]                                   | 26,14                |

| Dimensions [mm] | A   | B   | D   | E   | H   | K   | R   |
|-----------------|-----|-----|-----|-----|-----|-----|-----|
| TO 20.1         | 585 | 254 | 516 | 357 | 247 | 103 | 180 |

SOCKET NO. 1 ½" outer







# **ELECTRIC WATER HEATERS AND STORAGE TANKS**

FLOOR-STANDING

FLOOR-STANDING

FOR INSTALATION ELECTRIC HEATING ELEMENT

# OKCE S/2,2 kW

## ELECTRIC WATER HEATERS AND STORAGE TANKS

### FLOOR-STANDING



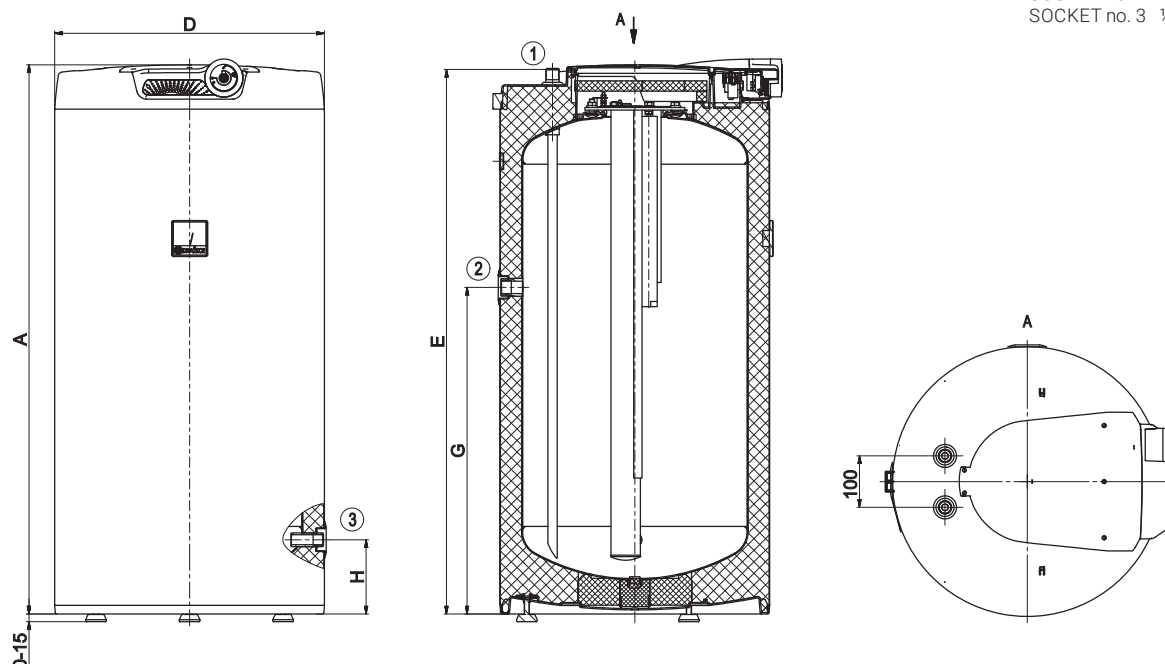
- All storage tanks have inlet/outlet for circulation connection
- Discharge outlet enclosed
- Equipped with electrical heating unit



| Type of storage tank                        |                                       | OKCE 100 S/2,2 kW  | OKCE 125 S/2,2 kW |
|---------------------------------------------|---------------------------------------|--------------------|-------------------|
| Order number                                |                                       | 1108111101         | 1103111101        |
| Capacity                                    | [l]                                   | 98                 | 128               |
| Max. weight of the empty water heater       | [kg]                                  | 39                 | 45                |
| Insulation thickness                        | [mm]                                  |                    | 42                |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] |                    | 0,022             |
| Power consumption of the el. heating unit   | [W]                                   |                    | 2200              |
| Heating time from 10 °C to 60 °C            | [h]                                   | 2,6                | 3,4               |
| Electrical connection                       |                                       | 1/N/PE ~ 230V/50Hz |                   |
| Recommended circuit breaker size            | [A]                                   |                    | 16                |
| Degree of protection                        |                                       |                    | IP42              |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            |                    | 80/6              |
| Energy efficiency class                     |                                       |                    | C                 |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 1349               | 2637              |
| Mixed water V40                             | [l]                                   | 133,17             | 156,44            |

| Dimensions [mm]   | A    | D   | E    | G   | H   |
|-------------------|------|-----|------|-----|-----|
| OKCE 100 S/2,2 kW | 902  | 524 | 892  | 535 | 145 |
| OKCE 125 S/2,2 kW | 1067 | 524 | 1057 | 635 | 145 |

SOCKET no. 1 ¾" outer  
SOCKET no. 2 ¾" inner  
SOCKET no. 3 ½" inner





- All storage tanks have inlet/outlet for circulation connection
- Installation of TPK 210-12 flanged heating unit required
- Storage tanks with capacities of 200-500 l have an inlet/outlet for TJ 6/4" heating unit
- RDU, REU heating units can be attached using a reduction flange

OKCE 160 S



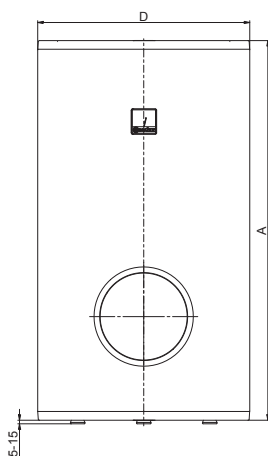
OKCE 200 S, 250 S, 300 S



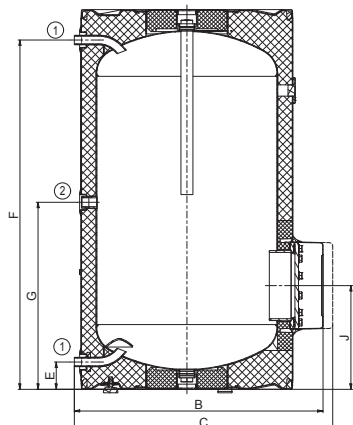
| Type of storage tank                        |                                       | OKCE 160 S                           | OKCE 200 S | OKCE 250 S | OKCE 300 S |
|---------------------------------------------|---------------------------------------|--------------------------------------|------------|------------|------------|
| Order number                                |                                       | 1106115101                           | 1107115101 | 1109115101 | 1210115101 |
| Capacity                                    | [l]                                   | 157                                  | 210        | 250        | 300        |
| Max. weight of the empty water heater       | [kg]                                  | 52                                   | 72         | 76         | 80         |
| Insulation thickness                        | [mm]                                  | 42                                   |            |            | 60         |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022                                |            |            | 0,021      |
| Power consumption of the el. heating unit   | [W]                                   | according to the type of accessories |            |            |            |
| Heating time from 10 °C to 60 °C            | [h]                                   | according to the type of accessories |            |            |            |
| Electrical connection                       |                                       | according to the type of accessories |            |            |            |
| Recommended circuit breaker size            | [A]                                   | according to the type of accessories |            |            |            |
| Degree of protection                        |                                       | according to the type of accessories |            |            |            |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            | 80/6                                 |            |            | 80/10      |
| Energy efficiency class                     |                                       | C                                    |            |            |            |
| Annual consumption                          | [kWh·a <sup>-1</sup> ]                | 2612                                 | 4301       | 4215       | 4361       |
| Mixed water V40                             | [l]                                   | 235,47                               | 362,16     | 418,23     | 419,08     |

| Dimensions [mm] | A    | B   | C   | D   | E  | F    | G    | I   | J   |
|-----------------|------|-----|-----|-----|----|------|------|-----|-----|
| OKCE 160 S      | 1045 | 660 | 710 | 584 | 75 | 962  | 515  | —   | 285 |
| OKCE 200 S      | 1355 | 660 | 710 | 584 | 75 | 1275 | 855  | 810 | 285 |
| OKCE 250 S      | 1535 | 660 | 710 | 584 | 75 | 1455 | 1055 | 810 | 285 |

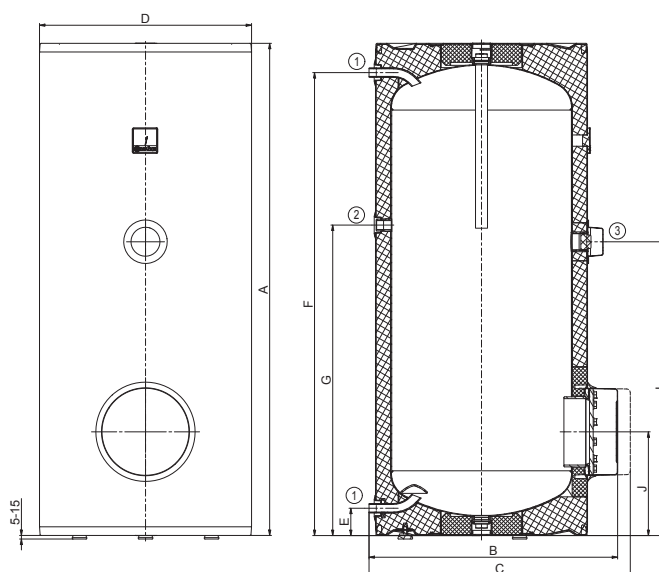
SOCKET no. 1 ¾" outer  
SOCKET no. 2 ¾" inner  
SOCKET no. 3 ¾" inner



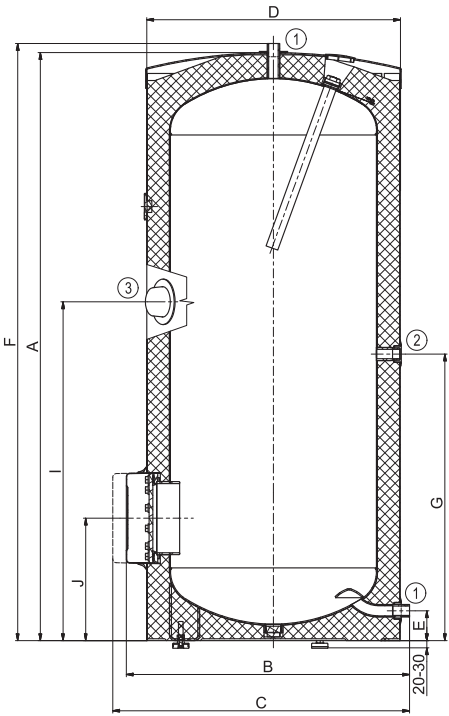
OKCE 160 S



OKCE 200 S, 250 S



| Dimensions [mm] | A    | B   | C   | D   | E  | F    | G   | I   | J   |
|-----------------|------|-----|-----|-----|----|------|-----|-----|-----|
| OKCE 300 S      | 1558 | 750 | 810 | 670 | 77 | 1579 | 760 | 895 | 325 |



SOCKET no. 1 1" outer  
SOCKET no. 2 3/4" inner  
SOCKET no. 3 3/4" inner

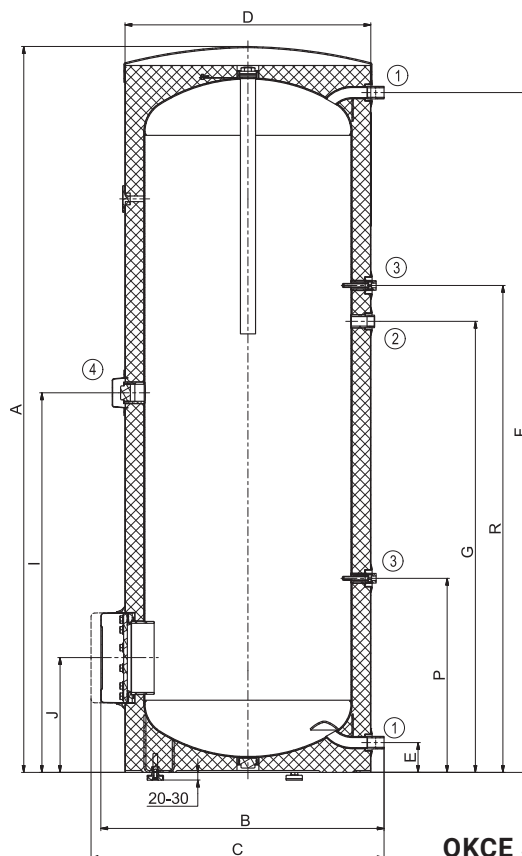
OKCE 300 S

| Type of storage tank                        |                                       | OKCE 500 S                           |
|---------------------------------------------|---------------------------------------|--------------------------------------|
| Order number                                |                                       | 121311110                            |
| Capacity                                    | [l]                                   | 462                                  |
| Max. weight of the empty water heater       | [kg]                                  | 106                                  |
| Insulation thickness                        | [mm]                                  | 50                                   |
| Thermal conductivity of the insulation      | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,021                                |
| Power consumption of the el. heating unit   | [W]                                   | according to the type of accessories |
| Heating time from 10 °C to 60 °C            | [h]                                   | according to the type of accessories |
| Electrical connection                       |                                       | according to the type of accessories |
| Recommended circuit breaker size            | [A]                                   | according to the type of accessories |
| Degree of protection                        |                                       | according to the type of accessories |
| Max. operating temp. / overpressure in tank | [°C]/[bar]                            | 80/10                                |
| Energy efficiency class                     |                                       | C                                    |
| Static loss                                 | [W]                                   | 110                                  |

| Dimensions [mm] | A    | B   | C   | D   | E  | F    | G    | I    | J   | P   | R    |
|-----------------|------|-----|-----|-----|----|------|------|------|-----|-----|------|
| OKCE 500 S      | 1924 | 800 | 860 | 700 | 55 | 1790 | 1264 | 1040 | 287 | 380 | 1409 |

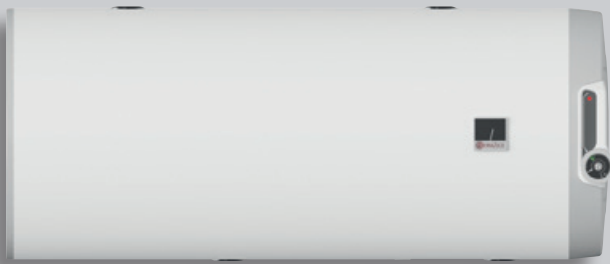
SOCKET no. 1 1" outer  
 SOCKET no. 2 ¾" inner  
 SOCKET no. 3 ½" inner  
 SOCKET no. 4 ¾" inner

OKCE 500 S



OKCE 500 S





## **COMBINED WATER HEATERS**

WALL-MOUNTED VERTICAL

WALL-MOUNTED HORIZONTAL



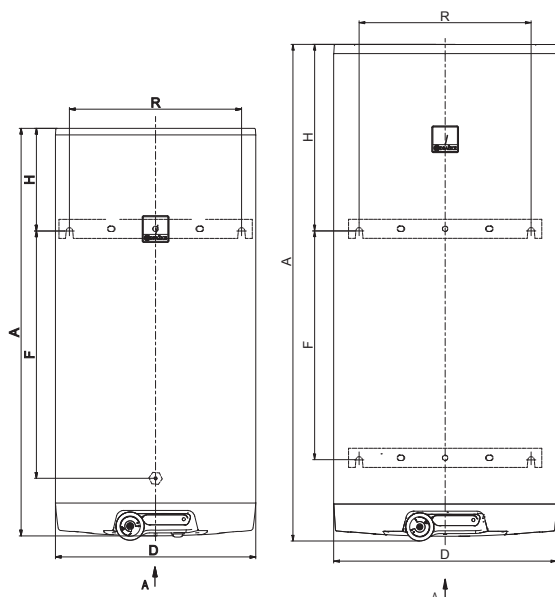
- Comes in wall-mounted version
- With a 2.2 kW electrical heating unit
- Ceramic heating element 4 kW or extra connection for circulation on demand
- 1 wall-mounted console and support for models 80–125; 2 wall-mounted consoles for models 160–200



| Type of storage tank                                   |                                       | OKC 80             | OKC 125    | OKC 160    | OKC 200    |
|--------------------------------------------------------|---------------------------------------|--------------------|------------|------------|------------|
| Order number model 2,2 kW                              |                                       | 1101208101         | 1103208101 | 1106208101 | 1107208101 |
| Order number model 4 kW                                |                                       |                    | 1103208103 | 1106208103 | 1107208103 |
| Order number model 2,2 kW with circulation             |                                       |                    |            | 1106208104 | 1107208104 |
| Order number model 4 kW with circulation               |                                       |                    |            | 1106208110 | 1107208110 |
| Capacity                                               | [l]                                   | 73                 | 117        | 145        | 194        |
| Max. weight of the empty water heater                  | [kg]                                  | 40                 | 55         | 62         | 79         |
| Insulation thickness                                   | [mm]                                  | 42                 |            |            |            |
| Thermal conductivity of the insulation                 | [W•m <sup>-1</sup> •K <sup>-1</sup> ] | 0,022              |            |            |            |
| Power consumption of the el. heating unit              | [W]                                   | 2200               |            |            |            |
| Heating time from 10 °C to 60 °C *                     | [h]                                   | 1,9                | 3,1        | 3,8        | 5,1        |
| Electrical connection                                  |                                       | 1/N/PE ~ 230V/50Hz |            |            |            |
| Recommended circuit breaker size                       | [A]                                   | 16                 |            |            |            |
| Degree of protection                                   |                                       | IP44               |            |            |            |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            | 80/6               |            |            |            |
| Heat transfer surface of the exchanger *               | [m <sup>2</sup> ]                     | 0,41               | 0,68       |            |            |
| Capacity of the exchanger *                            | [l]                                   | 1,8                | 2,9        |            |            |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            | 110/10             |            |            |            |
| Power of the exchanger at the 310 l at 80 °C *         | [kW]                                  | 6                  | 9          |            |            |
| Heating time by the exchanger from 10 °C to 60 °C *    | [min]                                 | 50                 | 55         | 67         | 86         |
| Energy efficiency class                                |                                       | C                  |            |            |            |
| Annual consumption                                     | [kWh•a <sup>-1</sup> ]                | 1342               | 1409       | 2622       | 4403       |
| Mixed water V40                                        | [l]                                   | 138,70             | 231,10     | 242,83     | 331,26     |

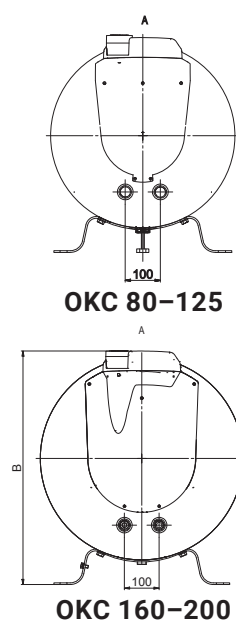
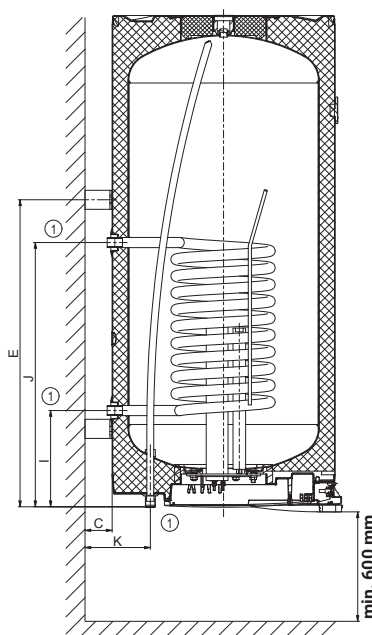
| Dimensions [mm] | A    | B   | C  | D   | E   | F   | H   | I   | J   | K   | R   |
|-----------------|------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| OKC 80          | 757  | 612 | 70 | 524 | 605 | 460 | 142 | 211 | 501 | 172 | 450 |
| OKC 125         | 1067 | 612 | 70 | 524 | 755 | 610 | 302 | 211 | 651 | 172 | 450 |
| OKC 160         | 1255 | 612 | 70 | 524 | 995 | 720 | 250 | 211 | 651 | 172 | 450 |
| OKC 200         | 1300 | 672 | 70 | 584 | 804 | 600 | 490 | 252 | 692 | 172 | 450 |

SOCKET no. 1 ¾" outer



OKC 80-125

OKC 160-200



OKC 80-125

OKC 160-200



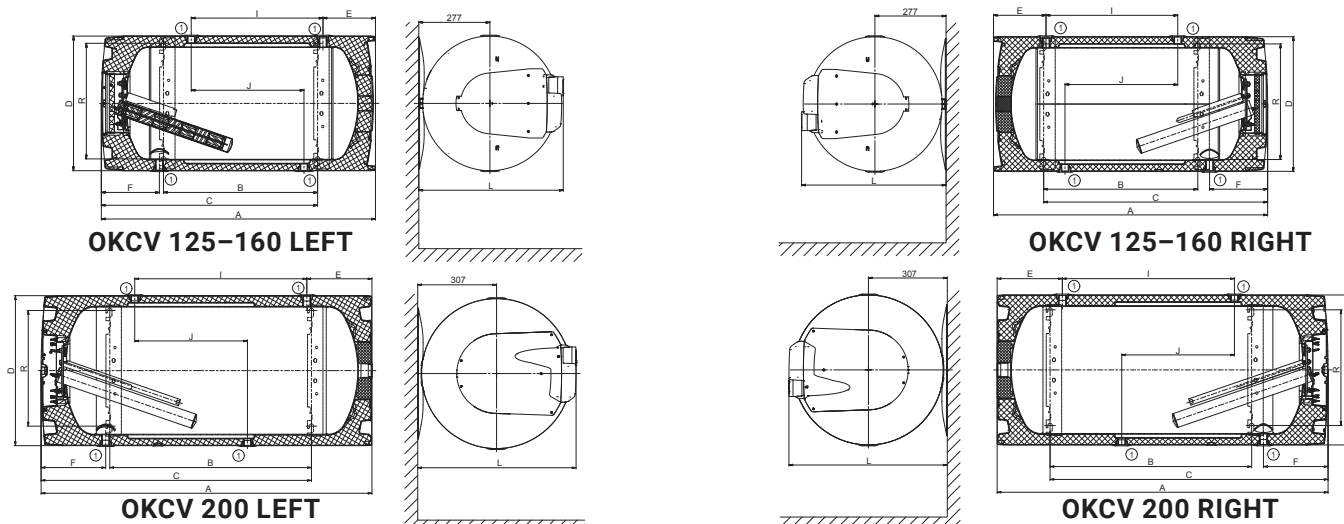
- With a 2.2 kW electrical heating unit
- Ceramic heating element 4 kW or extra connection for circulation on demand
- Suitable for solid fuel boilers
- Now with right-side and left-side versions
- Includes flexible wall hinge

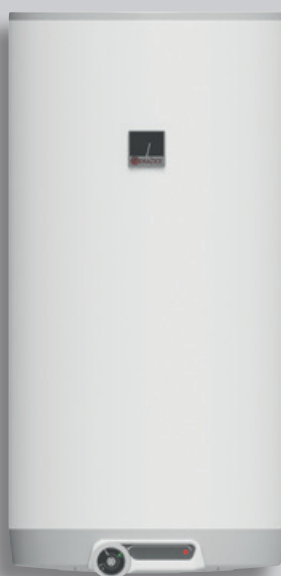


| Type of storage tank                                   |                                       | OKCV 125                                | OKCV 160                                | OKCV 200                                |
|--------------------------------------------------------|---------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Order number model 2,2 kW                              |                                       | 1103408211 (right)<br>1103408212 (left) | 1106408211 (right)<br>1106408212 (left) | 1107408211 (right)<br>1107408212 (left) |
| Order number model 4 kW                                |                                       |                                         |                                         | 1107408203 (right)<br>1107408202 (left) |
| Order number model 2,2 kW with circulation             |                                       |                                         |                                         | 1107408204 (right)<br>1107408205 (left) |
| Order number model 4 kW with circulation               |                                       |                                         |                                         | 1107408210 (right)<br>1107408213 (left) |
| Capacity                                               | [l]                                   | 123                                     | 148                                     | 201                                     |
| Max. weight of the empty water heater                  | [kg]                                  | 63                                      | 69                                      | 85                                      |
| Insulation thickness                                   | [mm]                                  |                                         | 42                                      |                                         |
| Thermal conductivity of the insulation                 | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] |                                         | 0,022                                   |                                         |
| Power consumption of the el. heating unit              | [W]                                   |                                         | 2200                                    |                                         |
| Heating time from 10 °C to 60 °C *                     | [h]                                   | 3,3                                     | 3,9                                     | 5,3                                     |
| Electrical connection                                  |                                       | 1/N/PE ~ 230V/50Hz                      |                                         |                                         |
| Recommended circuit breaker size                       | [A]                                   |                                         | 16                                      |                                         |
| Degree of protection                                   |                                       |                                         | IP42                                    |                                         |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            |                                         | 80/6                                    |                                         |
| Heat transfer surface of the exchanger *               | [m <sup>2</sup> ]                     |                                         | 0,7                                     | 0,75                                    |
| Capacity of the exchanger *                            | [l]                                   |                                         | 11                                      | 12                                      |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            |                                         | 110/4                                   |                                         |
| Power of the exchanger at the 310 l at 80 °C *         | [kW]                                  |                                         | 10                                      | 11                                      |
| Heating time by the exchanger from 10 °C to 60 °C *    | [min]                                 | 43                                      | 53                                      | 72                                      |
| Energy efficiency class                                |                                       |                                         | C                                       |                                         |
| Annual consumption                                     | [kWh·a <sup>-1</sup> ]                | 2614                                    | 2691                                    | 4324                                    |
| Mixed water V40                                        | [l]                                   | 195,75                                  | 244,59                                  | 301,93                                  |

| Dimensions [mm] | A    | B   | C    | D   | E   | F   | I   | J   | L   | R   |
|-----------------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|
| OKCV 125        | 1067 | 600 | 872  | 524 | 204 | 226 | 513 | 439 | 563 | 450 |
| OKCV 160        | 1255 | 785 | 1057 | 524 | 254 | 226 | 649 | 439 | 563 | 450 |
| OKCV 200        | 1290 | 785 | 1077 | 584 | 258 | 246 | 670 | 439 | 617 | 450 |

SOCKET no. 1 ¾" inner







## **HOT WATER STORAGE TANKS**

WALL-MOUNTED VERTICAL

FLOOR-STANDING

FLOOR-STANDING INDIRECT HEATING

**OKC/1m<sup>2</sup>****HOT WATER STORAGE TANKS****WALL-MOUNTED VERTICAL**

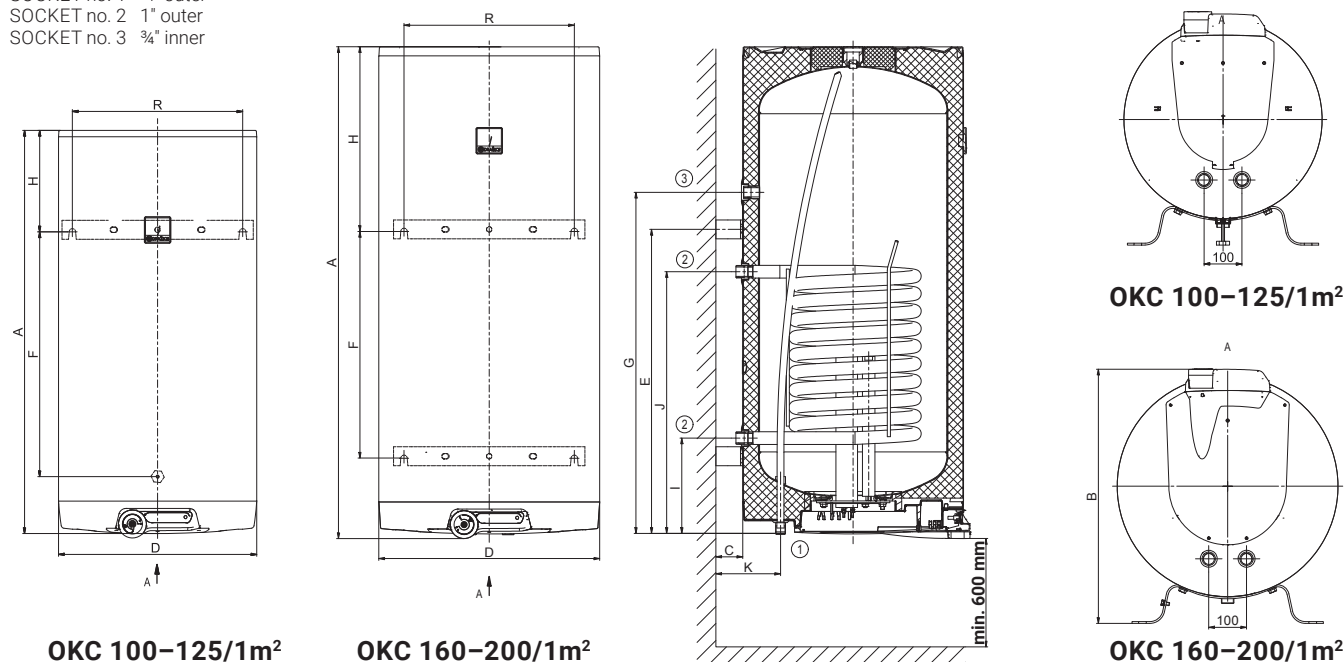
- Comes in wall-mounted version
- With a 2.2 kW electrical heating unit
- Ceramic heating element 4 kW on demand
- In version with 1 m<sup>2</sup> exchanger the storage tank is suitable for boilers using various fuels and for condensing boilers
- 1 wall-mounted console and support for models 100–125; 2 wall-mounted consoles for models 160–200
- Equipped with inlet/outlet for circulation



| Type of storage tank                                   |                                       | OKC 100/1 m <sup>2</sup> | OKC 125/1 m <sup>2</sup> | OKC 160/1 m <sup>2</sup> | OKC 200/1 m <sup>2</sup> |
|--------------------------------------------------------|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Order number model 2,2 kW                              |                                       | 1108209101               | 1103209101               | 1106209101               | 1107209101               |
| Order number model 4 kW                                |                                       | 1108209103               | 1103209103               | 1106209103               | 1107209103               |
| Capacity                                               | [l]                                   | 95                       | 120                      | 147                      | 195                      |
| Max. weight of the empty water heater                  | [kg]                                  | 57                       | 64                       | 71                       | 85                       |
| Insulation thickness                                   | [mm]                                  | 42                       |                          |                          |                          |
| Thermal conductivity of the insulation                 | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022                    |                          |                          |                          |
| Power consumption of the el. heating unit              | [W]                                   | 2200                     |                          |                          |                          |
| Heating time from 10 °C to 60 °C *                     | [h]                                   | 2,5                      | 3,2                      | 3,9                      | 5,2                      |
| Electrical connection                                  |                                       | 1/N/PE ~ 230V/50Hz       |                          |                          |                          |
| Recommended circuit breaker size                       | [A]                                   | 16                       |                          |                          |                          |
| Degree of protection                                   |                                       | IP44                     |                          |                          |                          |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            | 80/6                     |                          |                          |                          |
| Heat transfer surface of the exchanger *               | [m <sup>2</sup> ]                     | 1,08                     |                          |                          |                          |
| Capacity of the exchanger *                            | [l]                                   | 7,1                      |                          |                          |                          |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            | 110/10                   |                          |                          |                          |
| Power of the exchanger at the 720 l at 80 °C           | [kW]                                  | 24                       |                          |                          |                          |
| Heating time by the exchanger from 10 °C to 60 °C *    | [min]                                 | 14                       | 17                       | 21                       | 28                       |
| Energy efficiency class                                |                                       | B                        |                          |                          |                          |
| Static loss                                            | [W]                                   | 47                       | 57                       | 67                       | 72                       |

| Dimensions [mm]          | A    | B   | C  | D   | E   | F   | G   | H   | I   | J   | K   | R   |
|--------------------------|------|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| OKC 100/1 m <sup>2</sup> | 902  | 612 | 70 | 524 | 622 | 478 | 550 | 270 | 263 | 703 | 172 | 450 |
| OKC 125/1 m <sup>2</sup> | 1067 | 612 | 70 | 524 | 789 | 645 | 550 | 268 | 263 | 703 | 172 | 450 |
| OKC 160/1 m <sup>2</sup> | 1255 | 612 | 70 | 524 | 991 | 815 | 830 | 254 | 263 | 703 | 172 | 450 |
| OKC 200/1 m <sup>2</sup> | 1300 | 672 | 70 | 584 | 804 | 600 | 902 | 490 | 252 | 692 | 172 | 450 |

SOCKET no. 1 ¾" outer  
 SOCKET no. 2 1" outer  
 SOCKET no. 3 ¾" inner

**DRAŽICE**

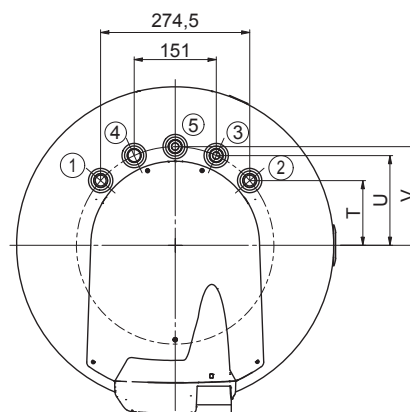
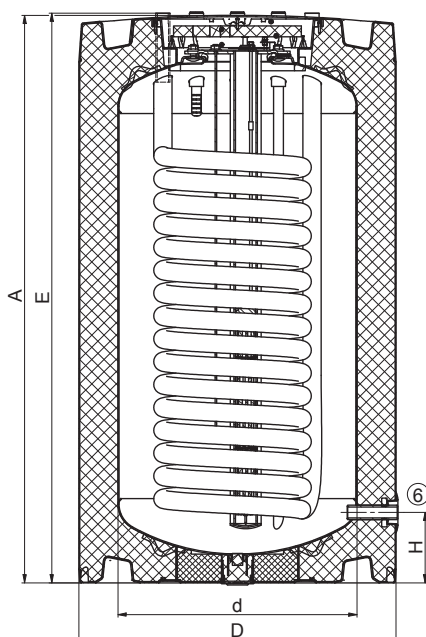


- Inlets and outlets of all media through the top lid
- Heaters suitable for installation under wall-mounted boilers
- With a single-phase 2.2 kW electrical heating unit
- Heaters have a fitted drain valved



| Type of storage tank                                   |                                       | OKCE 100.1 NTR/HV/ 2,2 kW | OKCE 125.1 NTR/HV/ 2,2 kW |
|--------------------------------------------------------|---------------------------------------|---------------------------|---------------------------|
| Order number                                           |                                       | 1108707117                | 1103707117                |
| Capacity                                               | [l]                                   | 83                        | 107                       |
| Max. weight of the empty water heater                  | [kg]                                  | 61                        | 77                        |
| Insulation thickness                                   | [mm]                                  | 72                        |                           |
| Thermal conductivity of the insulation                 | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022                     |                           |
| Power consumption of the el. heating unit              | [W]                                   | 2200                      |                           |
| Heating time from 10 °C to 60 °C *                     | [h]                                   | 2,3                       | 2,8                       |
| Electrical connection                                  |                                       | 1/N/PE ~ 230V/50Hz        |                           |
| Recommended circuit breaker size                       | [A]                                   | 16                        |                           |
| Degree of protection                                   |                                       | IP42                      |                           |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            | 80/6                      |                           |
| Heat transfer surface of the exchanger *               | [m <sup>2</sup> ]                     | 1,08                      | 1,45                      |
| Capacity of the exchanger*                             | [l]                                   | 7,1                       | 9,5                       |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            | 110/10                    |                           |
| Power of the exchanger at the 720 l at 80 °C           | [kW]                                  | 24                        | 32                        |
| Heating time by the exchanger from 10 °C to 60 °C *    | [min]                                 | 13                        | 12                        |
| Energy efficiency class                                |                                       | A                         |                           |
| Static loss                                            | [W]                                   | 29                        | 33                        |

| Dimensions [mm]         | A    | d   | D   | E    | H   | T   | U   | V   |
|-------------------------|------|-----|-----|------|-----|-----|-----|-----|
| OKCE 100.1 NTR/HV/2,2kW | 880  | 440 | 584 | 885  | 130 | 119 | 165 | 182 |
| OKCE 125.1 NTR/HV/2,2kW | 1045 | 440 | 584 | 1050 | 130 | 119 | 165 | 182 |



SOCKET no. 1 ¾" outer  
 SOCKET no. 2 ¾" outer  
 SOCKET no. 3 ¾" outer  
 SOCKET no. 4 ¾" outer  
 SOCKET no. 5 ¾" outer  
 SOCKET no. 6 ½" inner

# OKCE NTR/2,2 kW

## HOT WATER STORAGE TANKS

## FLOOR-STANDING



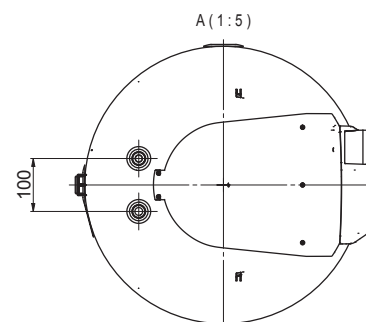
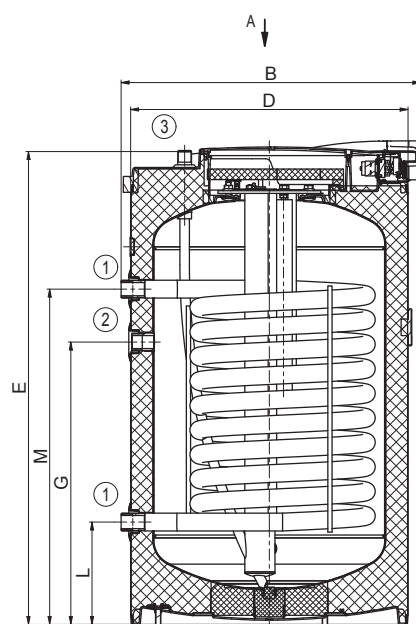
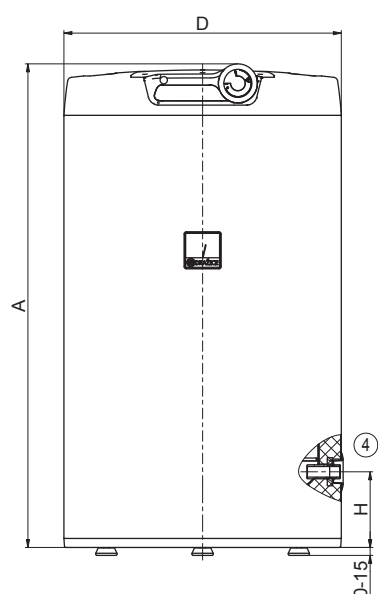
- Storage tanks have inlet/outlet for circulation connection
- With a single-phase 2.2 kW electrical heating unit
- Storage tanks have discharge outlet enclosed



| Type of storage tank                                   |                                       | OKCE 100 NTR/2,2 kW | OKCE 125 NTR/2,2 kW |
|--------------------------------------------------------|---------------------------------------|---------------------|---------------------|
| Order number                                           |                                       | 1108701201          | 1103701201          |
| Capacity                                               | [l]                                   | 85                  | 110                 |
| Max. weight of the empty water heater                  | [kg]                                  | 58                  | 70                  |
| Insulation thickness                                   | [mm]                                  |                     | 42                  |
| Thermal conductivity of the insulation                 | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] |                     | 0,022               |
| Power consumption of the el. heating unit              | [W]                                   |                     | 2200                |
| Heating time from 10 °C to 60 °C *                     | [h]                                   | 2,2                 | 2,9                 |
| Electrical connection                                  |                                       | 1/N/PE ~ 230V/50Hz  |                     |
| Recommended circuit breaker size                       | [A]                                   |                     | 16                  |
| Degree of protection                                   |                                       |                     | IP42                |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            |                     | 80/6                |
| Heat transfer surface of the exchanger *               | [m <sup>2</sup> ]                     | 1,08                | 1,45                |
| Capacity of the exchanger*                             | [l]                                   | 7,1                 | 9,5                 |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            |                     | 110/10              |
| Power of the exchanger at the 720 l at 80 °C           | [kW]                                  | 24                  | 32                  |
| Heating time by the exchanger from 10 °C to 60 °C *    | [min]                                 | 13                  | 12                  |
| Energy efficiency class                                |                                       | B                   | C                   |
| Static loss                                            | [W]                                   | 42                  | 54                  |

| Dimensions [mm]     | A    | B   | D   | E    | G   | H   | L   | M   |
|---------------------|------|-----|-----|------|-----|-----|-----|-----|
| OKCE 100 NTR/2,2 kW | 915  | 565 | 524 | 895  | 535 | 145 | 195 | 635 |
| OKCE 125 NTR/2,2 kW | 1080 | 565 | 524 | 1060 | 635 | 145 | 195 | 765 |

SOCKET no. 1 1" outer  
 SOCKET no. 2 ¾" inner  
 SOCKET no. 3 ¾" outer  
 SOCKET no. 4 ½" inner





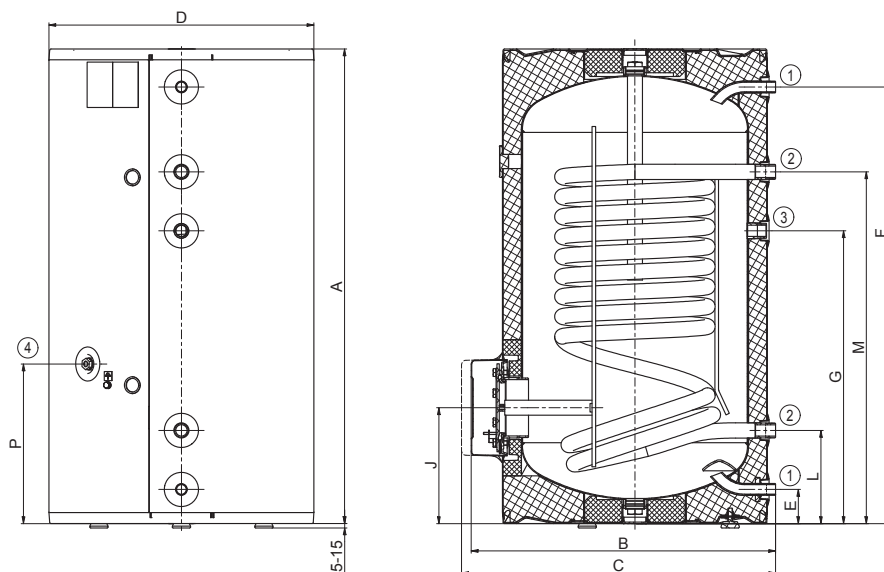
- Storage tank has a side flange used as an inspection hole
- TPK electrical heating unit can be installed in side flange
- TJ 6/4" electrical heating unit can be installed for models 200–500



| Type of storage tank                                   |                                       | OKC 160 NTR/BP | OKC 200 NTR(R)/BP          | OKC 300 NTR(R)/BP        |
|--------------------------------------------------------|---------------------------------------|----------------|----------------------------|--------------------------|
| Order number                                           |                                       | 1106701101     | 1107701101<br>(1107901101) | 121070101<br>(121090101) |
| Capacity                                               | [l]                                   | 148            | 208 (200)                  | 296 (285)                |
| Max. weight of the empty water heater                  | [kg]                                  | 76             | 92 (103)                   | 108 (126)                |
| Insulation thickness                                   | [mm]                                  | 42             |                            | 60                       |
| Thermal conductivity of the insulation                 | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022          |                            | 0,021                    |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            | 80/6           |                            | 80/10                    |
| Heat transfer surface of the exchanger * (top/bottom)  | [m <sup>2</sup> ]                     | -/1,19         | -/1,19 (1/0,96)            | -/1,5 (1/1,5)            |
| Capacity of the exchanger * (top/bottom)               | [l]                                   | -/8            | -/8(7/6,5)                 | -/10,5 (7/10,5)          |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            | 110/10         |                            |                          |
| Power of the exchanger at the 720 l at 80 °C           | [kW]                                  | -/27           | -/27 (24/22)               | -/35 (24/35)             |
| Heating time by the exchanger from 10 °C to 60 °C *    | [min]                                 | -/19           | -/27 (14/16)               | -/30 (16/24)             |
| Energy efficiency class                                |                                       | C              |                            |                          |
| Static loss                                            | [W]                                   | 75             | 82                         | 83                       |

| Dimensions [mm] | A    | B   | C   | D   | E  | F   | G   | I | J   | L   | M   | P   |
|-----------------|------|-----|-----|-----|----|-----|-----|---|-----|-----|-----|-----|
| OKC 160 NTR/BP  | 1045 | 660 | 710 | 584 | 75 | 962 | 645 | – | 255 | 205 | 775 | 350 |

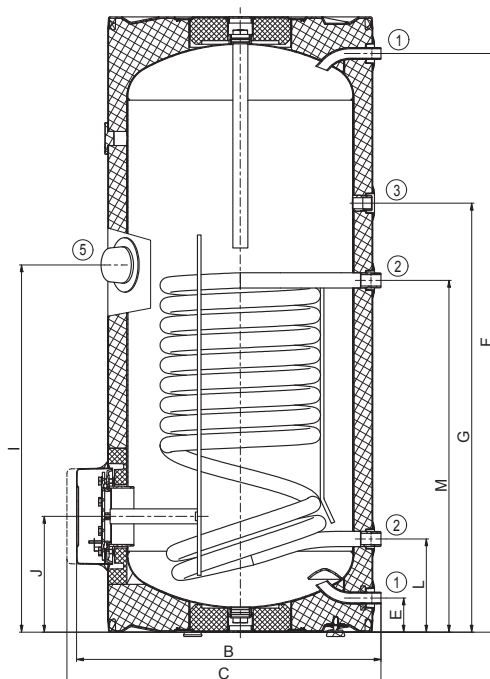
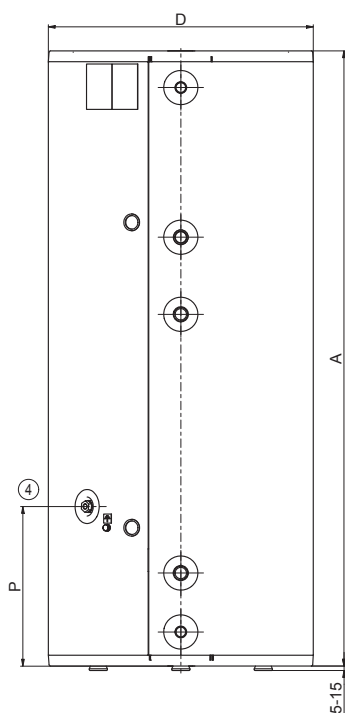
SOCKET no. 1 ¾" outer  
 SOCKET no. 2 1" outer  
 SOCKET no. 3 ¾" inner  
 SOCKET no. 4 ½" inner



OKC 160 NTR/BP

| Dimensions [mm] | A    | B   | C   | D   | E  | F    | G   | I   | J   | L   | M   | P   |
|-----------------|------|-----|-----|-----|----|------|-----|-----|-----|-----|-----|-----|
| OKC 200 NTR/BP  | 1355 | 660 | 710 | 584 | 75 | 1275 | 945 | 810 | 255 | 205 | 775 | 350 |

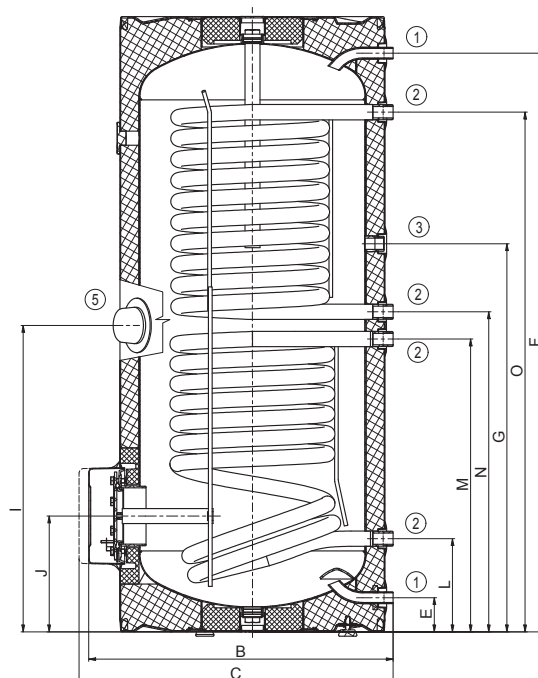
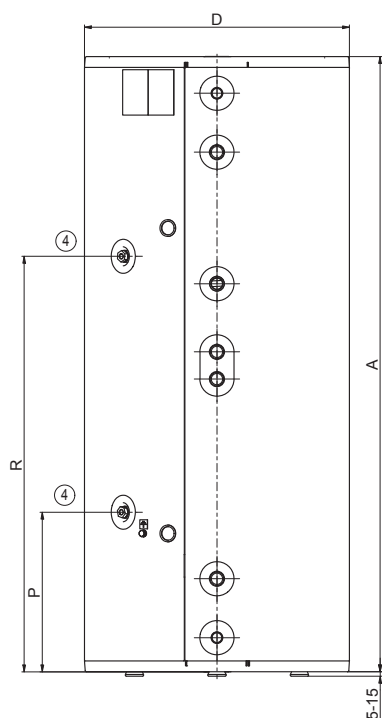
SOCKET no. 1  $\frac{3}{4}$ " outer  
 SOCKET no. 2 1" outer  
 SOCKET no. 3  $\frac{3}{4}$ " inner  
 SOCKET no. 4  $\frac{1}{2}$ " inner  
 SOCKET no. 5  $\frac{3}{4}$ " inner



OKC 200 NTR/BP

| Dimensions [mm] | A    | B   | C   | D   | E  | F    | G   | I   | J   | L   | M   | N   | O    | P   | R   |
|-----------------|------|-----|-----|-----|----|------|-----|-----|-----|-----|-----|-----|------|-----|-----|
| OKC 200 NTRR/BP | 1355 | 660 | 710 | 584 | 75 | 1275 | 855 | 675 | 255 | 205 | 645 | 705 | 1145 | 350 | 915 |

SOCKET no. 1  $\frac{3}{4}$ " outer  
 SOCKET no. 2 1" outer  
 SOCKET no. 3  $\frac{3}{4}$ " inner  
 SOCKET no. 4  $\frac{1}{2}$ " inner  
 SOCKET no. 5  $\frac{3}{4}$ " inner

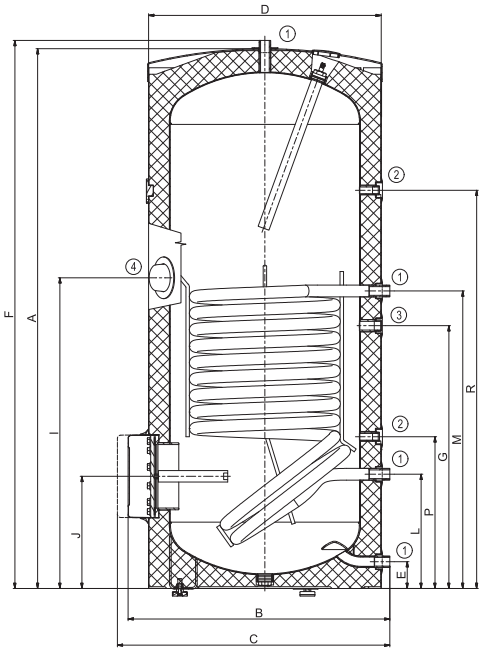


OKC 200 NTRR/BP

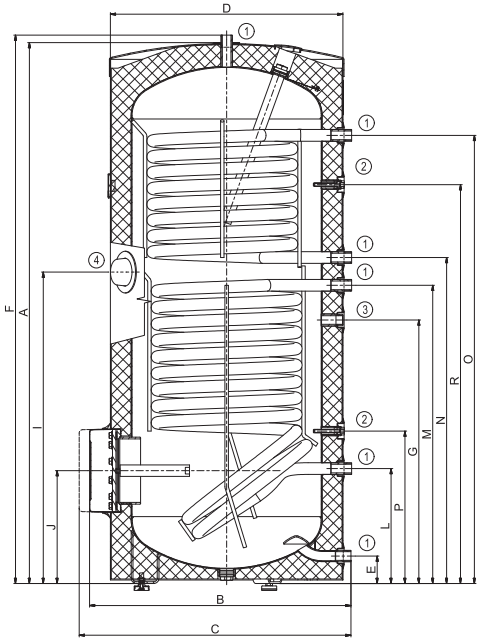


| Dimensions [mm] | A    | B   | C   | D   | E  | F    | G   | I   | J   | L   | M   | N   | O    | P   | R    |
|-----------------|------|-----|-----|-----|----|------|-----|-----|-----|-----|-----|-----|------|-----|------|
| OKC 300 NTR/BP  | 1558 | 750 | 810 | 670 | 77 | 1579 | 760 | 895 | 325 | 330 | 858 | –   | –    | 438 | 1148 |
| OKC 300 NTRR/BP | 1558 | 750 | 810 | 670 | 77 | 1579 | 760 | 895 | 325 | 330 | 858 | 939 | 1291 | 438 | 1148 |

SOCKET no. 1 1" outer  
 SOCKET no. 2 ½" inner  
 SOCKET no. 3 ¾" inner  
 SOCKET no. 4 ¾" inner



OKC 300 NTR/BP



OKC 300 NTRR/BP

# OKC NTR(R)/BP

## HOT WATER STORAGE TANKS

## FLOOR-STANDING INDIRECT HEATING



OKC 500 NTR/BP



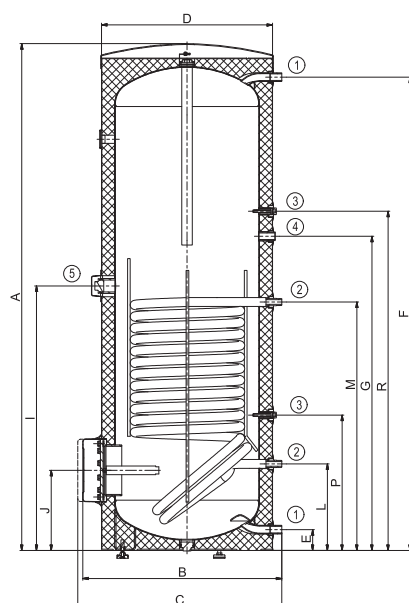
OKC 500 NTRR/BP

| Type of storage tank                                   |                                       | OKC 500 NTR(R)/BP        |
|--------------------------------------------------------|---------------------------------------|--------------------------|
| Order number                                           |                                       | 121370101<br>(121390101) |
| Capacity                                               | [l]                                   | 447 (433)                |
| Max. weight of the empty water heater                  | [kg]                                  | 149 (158)                |
| Insulation thickness                                   | [mm]                                  | 50                       |
| Thermal conductivity of the insulation                 | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,021                    |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            | 80/10                    |
| Heat transfer surface of the exchanger * (top/bottom)  | [m <sup>2</sup> ]                     | -/2 (1,4/2)              |
| Capacity of the exchanger * (top/bottom)               | [l]                                   | -/14 (9/14)              |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            | 110/10                   |
| Power of the exchanger at the 720 l at 80 °C           | [kW]                                  | -/58 (37/58)             |
| Heating time by the exchanger from 10 °C to 60 °C *    | [min]                                 | -/26 (26/27)             |
| Energy efficiency class                                |                                       | C                        |
| Static loss                                            | [W]                                   | 110 (111)                |

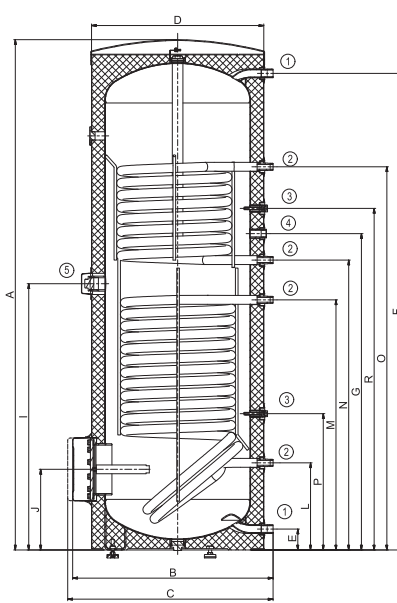
| Dimensions [mm] | A    | B   | C   | D   | E  | F    | G    | I    | J   | L   | M   | N    | O    | P   | R    |
|-----------------|------|-----|-----|-----|----|------|------|------|-----|-----|-----|------|------|-----|------|
| OKC 500 NTR/BP  | 1924 | 800 | 860 | 700 | 55 | 1790 | 1264 | 1040 | 288 | 220 | 965 | -    | -    | 380 | 1409 |
| OKC 500 NTRR/BP | 1924 | 800 | 860 | 700 | 55 | 1790 | 1264 | 1040 | 288 | 220 | 965 | 1114 | 1604 | 380 | 1409 |

SOCKET no. 1 1" outer  
SOCKET no. 2 ¾" outer  
SOCKET no. 3 ¾" inner  
SOCKET no. 4 ½" inner  
SOCKET no. 5 ¾" inner

SOCKET no. 1 1" outer  
SOCKET no. 2 ¾" outer  
SOCKET no. 3 ½" inner  
SOCKET no. 4 ¾" inner  
SOCKET no. 5 ¾" inner



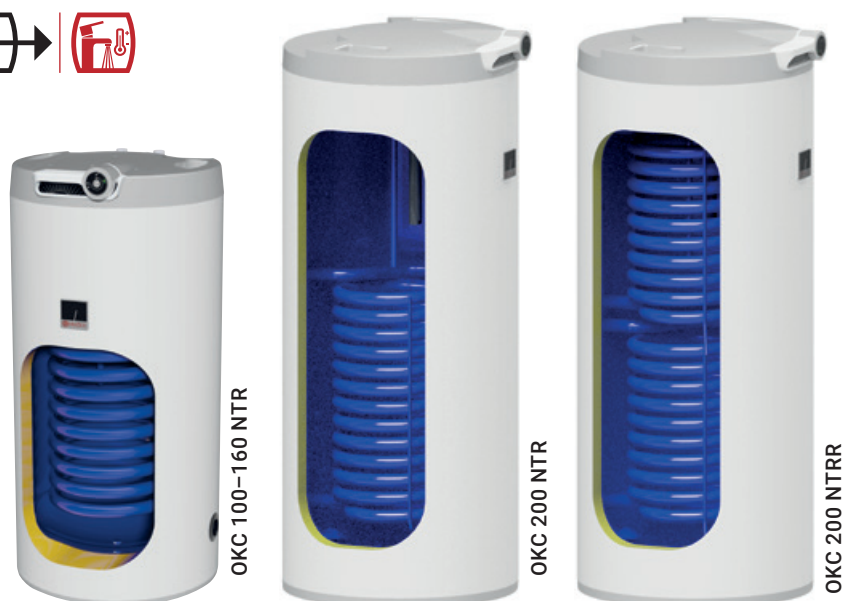
OKC 500 NTR/BP



OKC 500 NTRR/BP

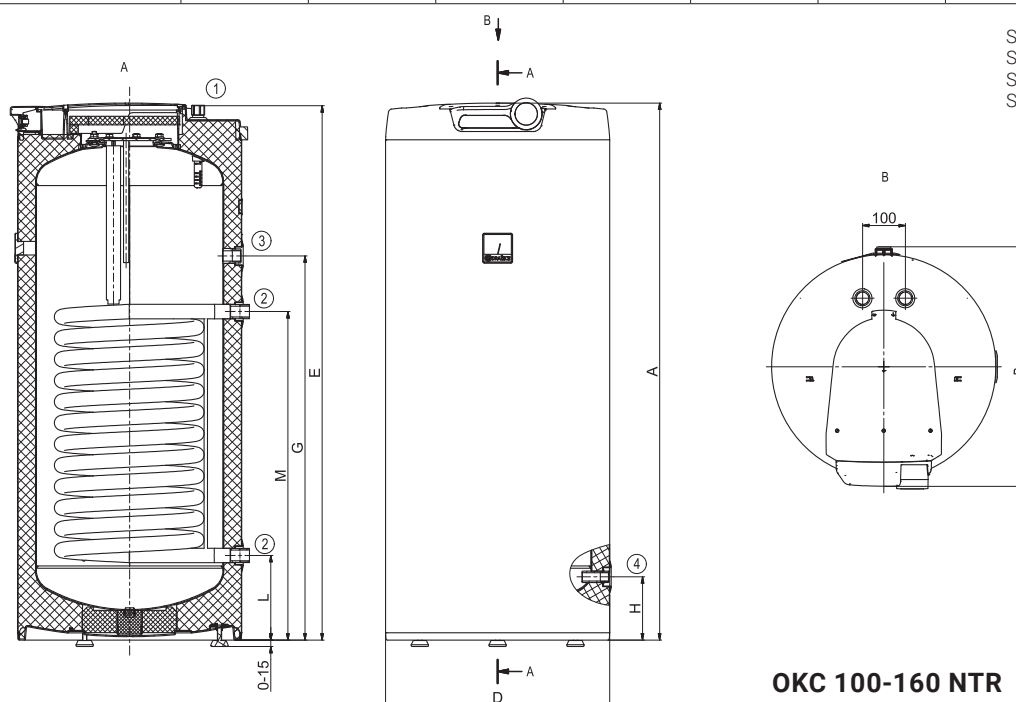


- Two exchangers possible for models from 200 and up
- Service water inlet and outlet through top lid for models 100–160
- Models 100–160 have discharge outlet enclosed



| Type of storage tank                                   |                                       | OKC 100 NTR        | OKC 125 NTR | OKC 160 NTR | OKC 200 NTR(R)             |
|--------------------------------------------------------|---------------------------------------|--------------------|-------------|-------------|----------------------------|
| Order number                                           |                                       | 1108708101         | 1103708101  | 1106708101  | 1107708101<br>(1107908101) |
| Capacity                                               | [l]                                   | 87                 | 113         | 148         | 208 (200)                  |
| Max. weight of the empty water heater                  | [kg]                                  | 53                 | 66          | 73          | 88 (102)                   |
| Insulation thickness                                   | [mm]                                  | 42                 |             |             |                            |
| Thermal conductivity of the insulation                 | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022              |             |             |                            |
| Electrical connection                                  |                                       | 1/N/PE ~ 230V/50Hz |             |             |                            |
| Degree of protection                                   |                                       | IP42               |             |             |                            |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            | 80/6               |             |             |                            |
| Heat transfer surface of the exchanger* (top/bottom)   | [m <sup>2</sup> ]                     | 1,08               | 1,45        |             | 1,45 (1/1)                 |
| Capacity of the exchanger* (top/bottom)                | [l]                                   | 7,1                | 9,5         |             | 9,5 (7/7)                  |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            | 110/10             |             |             |                            |
| Power of the exchanger at the 720 l at 80 °C           | [kW]                                  | 24                 | 32          |             | 32 (24/24)                 |
| Heating time by the exchanger from 10 °C to 60 °C *    | [min]                                 | 13                 | 12          | 16          | 23 (13/25)                 |
| Energy efficiency class                                |                                       | B                  |             | C           |                            |
| Static loss                                            | [W]                                   | 42                 | 54          | 75          | 82                         |

| Dimensions [mm] | A    | B   | D   | E    | G   | H   | L   | M   |
|-----------------|------|-----|-----|------|-----|-----|-----|-----|
| OKC 100 NTR     | 902  | 565 | 524 | 893  | 535 | 145 | 195 | 635 |
| OKC 125 NTR     | 1067 | 565 | 524 | 1058 | 635 | 145 | 195 | 765 |
| OKC 160 NTR     | 1255 | 565 | 524 | 1246 | 897 | 145 | 195 | 765 |

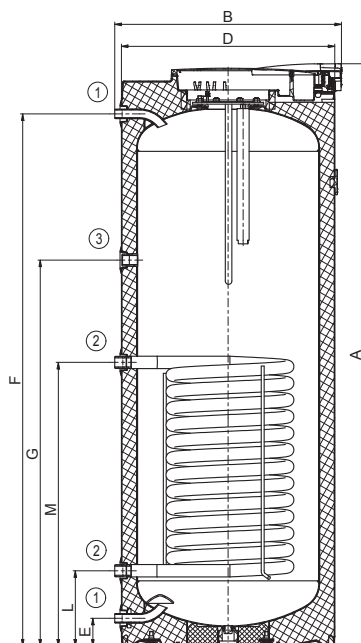


SOCKET no. 1 ¾" outer  
 SOCKET no. 2 1" outer  
 SOCKET no. 3 ¾" inner  
 SOCKET no. 4 ½" inner

OKC 100-160 NTR

| Dimensions [mm] | A    | B   | D   | E  | F    | G   | L   | M   |
|-----------------|------|-----|-----|----|------|-----|-----|-----|
| OKC 200 NTR     | 1412 | 620 | 584 | 75 | 1275 | 945 | 205 | 775 |

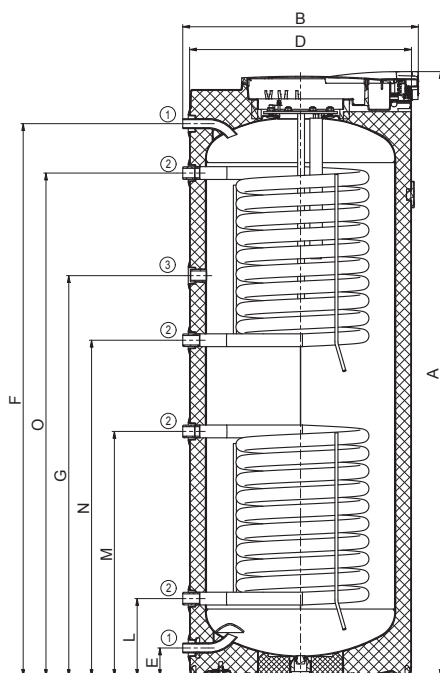
SOCKET no. 1 3/4" outer  
 SOCKET no. 2 1" outer  
 SOCKET no. 3 3/4" inner



OKC 200 NTR

| Dimensions [mm] | A    | B   | D   | E  | F    | G   | L   | M   | N   | O    |
|-----------------|------|-----|-----|----|------|-----|-----|-----|-----|------|
| OKC 200 NTRR    | 1412 | 620 | 584 | 75 | 1275 | 945 | 205 | 645 | 705 | 1145 |

SOCKET no. 1 3/4" outer  
 SOCKET no. 2 1" outer  
 SOCKET no. 3 3/4" inner



OKC 200 NTRR



- Inlets and outlets of all media through the top lid
- Storage tanks suitable for installation under wall-mounted boilers
- Storage tanks have discharge outlet enclosed



OKC 100, 125 NTR/HV



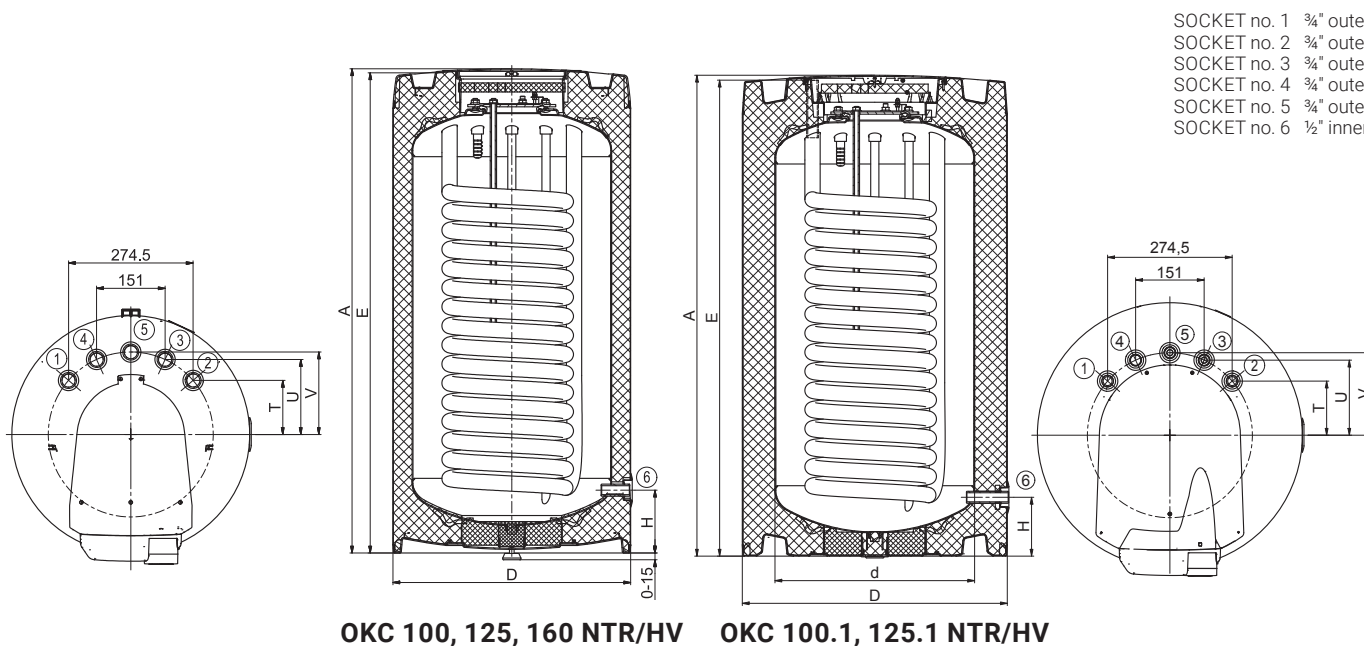
OKC 100.1, 125.1 NTR/HV



OKC 160 NTR/HV

| Type of storage tank                                   |                                       | OKC 100<br>NTR/HV  | OKC 100.1<br>NTR/HV | OKC 125<br>NTR/HV | OKC 125.1<br>NTR/HV | OKC 160<br>NTR/HV |
|--------------------------------------------------------|---------------------------------------|--------------------|---------------------|-------------------|---------------------|-------------------|
| Order number                                           |                                       | 1108706101         | 1108707101          | 1103706101        | 1103707101          | 1106706101        |
| Capacity                                               | [l]                                   | 87                 | 85                  | 113               | 111                 | 144               |
| Max. weight of the empty water heater                  | [kg]                                  | 53                 | 56                  | 64                | 73                  | 77                |
| Insulation thickness                                   | [mm]                                  | 42                 | 72                  | 42                | 72                  | 42                |
| Thermal conductivity of the insulation                 | [W•m <sup>-1</sup> •K <sup>-1</sup> ] | 0,022              |                     |                   |                     |                   |
| Electrical connection                                  |                                       | 1/N/PE ~ 230V/50Hz |                     |                   |                     |                   |
| Degree of protection                                   |                                       | IP42               |                     |                   |                     |                   |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            | 80/6               |                     |                   |                     |                   |
| Heat transfer surface of the exchanger *               | [m²]                                  | 1,08               |                     | 1,45              |                     |                   |
| Capacity of the exchanger *                            | [l]                                   | 7,1                |                     | 9,5               |                     |                   |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            | 110/10             |                     |                   |                     |                   |
| Power of the exchanger at the 720 l at 80 °C           | [kW]                                  | 24                 |                     | 32                |                     |                   |
| Heating time by the exchanger from 10 °C to 60 °C *    | [min]                                 | 13                 |                     | 12                |                     | 16                |
| Energy efficiency class                                |                                       | B                  | A                   | C                 | A                   | C                 |
| Static loss                                            | [W]                                   | 42                 | 29                  | 65                | 33                  | 65                |

| Dimensions [mm]  | A    | d   | D   | E    | H   | T   | U   | V   |
|------------------|------|-----|-----|------|-----|-----|-----|-----|
| OKC 100 NTR/HV   | 902  | —   | 524 | 892  | 145 | 119 | 165 | 182 |
| OKC 100.1 NTR/HV | 880  | 440 | 584 | 885  | 130 | 119 | 165 | 182 |
| OKC 125 NTR/HV   | 1067 | —   | 524 | 1057 | 145 | 119 | 165 | 182 |
| OKC 125.1 NTR/HV | 1045 | 440 | 584 | 1050 | 130 | 119 | 165 | 182 |
| OKC 160 NTR/HV   | 1090 | —   | 584 | 1080 | 143 | 119 | 165 | 182 |





- Inlets and outlets of all media through the top lid
- Storage tanks suitable for installation under wall-mounted boilers
- Storage tanks have discharge outlet enclosed

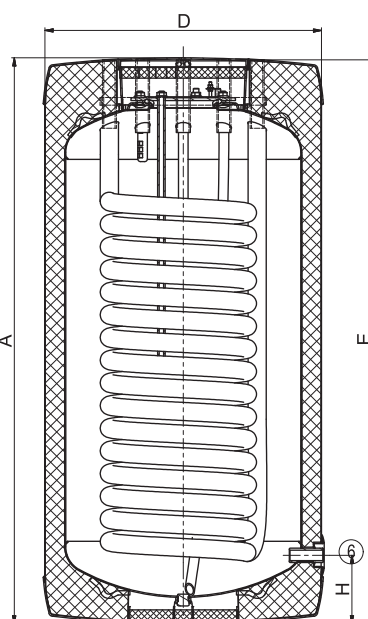
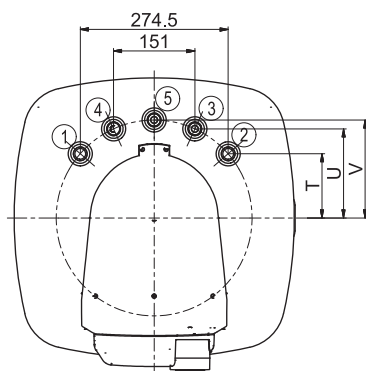


OKH 125 NTR/HV

| Type of storage tank                                   |                                       | OKH 100 NTR/HV     | OKH 125 NTR/HV |
|--------------------------------------------------------|---------------------------------------|--------------------|----------------|
| Order number                                           |                                       | 140870601          | 140370601      |
| Capacity                                               | [l]                                   | 87                 | 113            |
| Max. weight of the empty water heater                  | [kg]                                  | 55                 | 67             |
| Insulation thickness                                   | [mm]                                  | to 80              |                |
| Thermal conductivity of the insulation                 | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022              |                |
| Electrical connection                                  |                                       | 1/N/PE ~ 230V/50Hz |                |
| Degree of protection                                   |                                       | IP42               |                |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            | 80/6               |                |
| Heat transfer surface of the exchanger *               | [m <sup>2</sup> ]                     | 1,08               | 1,45           |
| Capacity of the exchanger *                            | [l]                                   | 7,1                | 9,5            |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            | 110/10             |                |
| Power of the exchanger at the 720 l at 80 °C           | [kW]                                  | 24                 | 32             |
| Heating time by the exchanger from 10 °C to 60 °C *    | [min]                                 | 13                 |                |
| Energy efficiency class                                |                                       | B                  |                |
| Static loss                                            | [W]                                   | 44                 | 49             |

| Rozměry [mm]   | A    | D   | E    | H   | T   | U   | V   |
|----------------|------|-----|------|-----|-----|-----|-----|
| OKH 100 NTR/HV | 897  | 520 | 888  | 127 | 119 | 165 | 182 |
| OKH 125 NTR/HV | 1058 | 520 | 1049 | 127 | 119 | 165 | 182 |

SOCKET no. 1 ¼" outer  
 SOCKET no. 2 ¼" outer  
 SOCKET no. 3 ¼" outer  
 SOCKET no. 4 ¼" outer  
 SOCKET no. 5 ¼" outer  
 SOCKET no. 6 ½" inner



OKH 100, 125 NTR/HV



- Working pressure in the vessel and in the heat exchanger is 1 MPa
- With one large heat exchanger for connecting the heating source (heat pump, low-temperature source)
- Installation of TJ 6/4" electrical heating unit possible
- Installation of TPK 150-8 electrical heating unit for OKC 300–500 NTR/HP possible

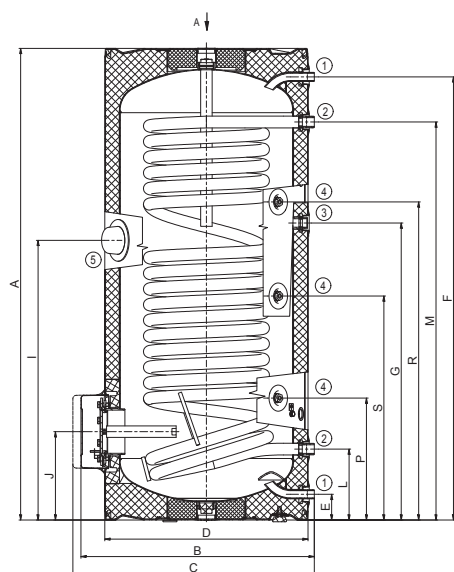


| Type of storage tank                                   |                                       | OKC 200 NTR/HP | OKC 250 NTR/HP | OKC 300 NTR/HP | OKC 500 NTR/HP |
|--------------------------------------------------------|---------------------------------------|----------------|----------------|----------------|----------------|
| Order number                                           |                                       | 1107914101     | 1109914101     | 121091401      | 121391401      |
| Capacity                                               | [l]                                   | 208            | 234            | 286            | 469            |
| Max. weight of the empty water heater                  | [kg]                                  | 102            | 119            | 133            | 223            |
| Insulation thickness                                   | [mm]                                  | 42             |                | 60             | 50             |
| Thermal conductivity of the insulation                 | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022          |                | 0,021          |                |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            | 80/10          |                |                |                |
| Heat transfer surface of the exchanger *               | [m <sup>2</sup> ]                     | 2              | 2,4            | 2,9            | 6,4            |
| Capacity of the exchanger *                            | [l]                                   | 13,3           | 15,6           | 18,9           | 39             |
| Heating time by the exchanger from 10 °C to 50 °C *    | [min]                                 | 34             |                | 32             | 24             |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            | 110/10         |                |                |                |
| Energy efficiency class                                |                                       | C              |                |                |                |
| Static loss                                            | [W]                                   | 82             | 87             | 72             | 105            |

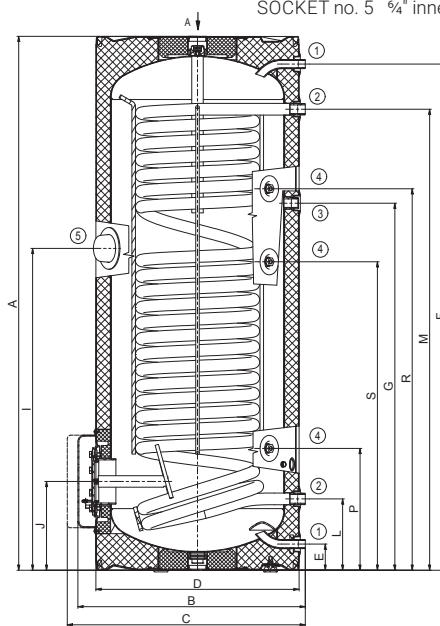
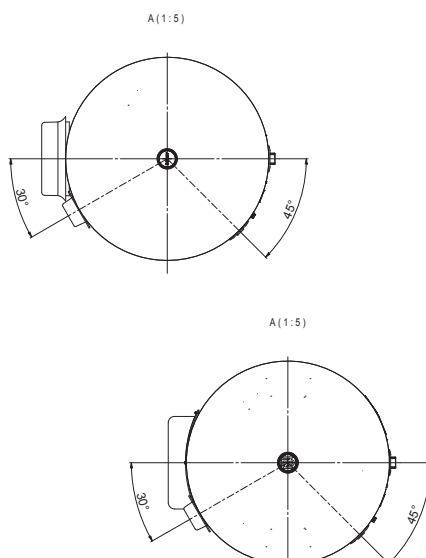
| Dimensions [mm] | A    | B   | C   | D   | E  | F    | G    | I   | J   | L   | M    | P   | R    | S   |
|-----------------|------|-----|-----|-----|----|------|------|-----|-----|-----|------|-----|------|-----|
| OKC 200 NTR/HP  | 1355 | 660 | 710 | 584 | 75 | 1275 | 855  | 805 | 255 | 205 | 1145 | 350 | 915  | 645 |
| OKC 250 NTR/HP  | 1535 | 660 | 710 | 584 | 75 | 1455 | 1055 | 925 | 255 | 205 | 1325 | 350 | 1095 | 885 |

SOCKET no. 1 ¾" outer  
 SOCKET no. 2 1" outer  
 SOCKET no. 3 ¾" inner  
 SOCKET no. 4 ½" inner  
 SOCKET no. 5 ¾" inner

SOCKET no. 1 ¾" outer  
 SOCKET no. 2 1" outer  
 SOCKET no. 3 ¾" inner  
 SOCKET no. 4 ½" inner  
 SOCKET no. 5 ¾" inner

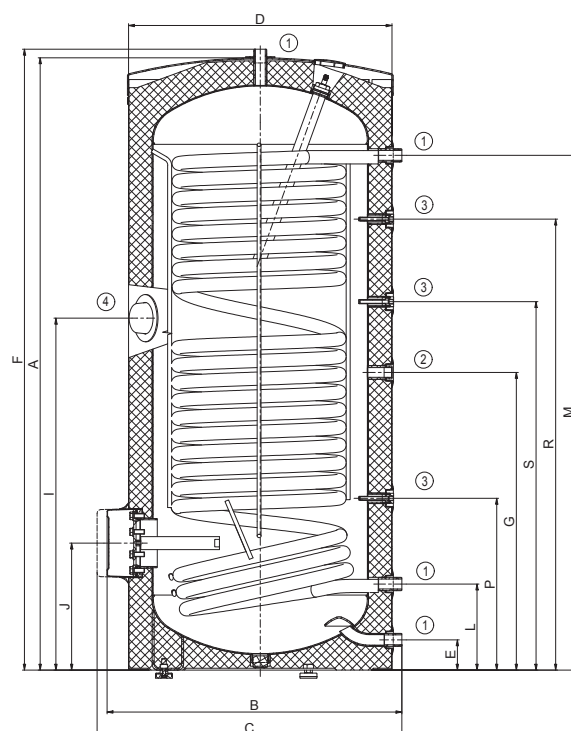


OKC 200 NTR/HP



OKC 250 NTR/HP

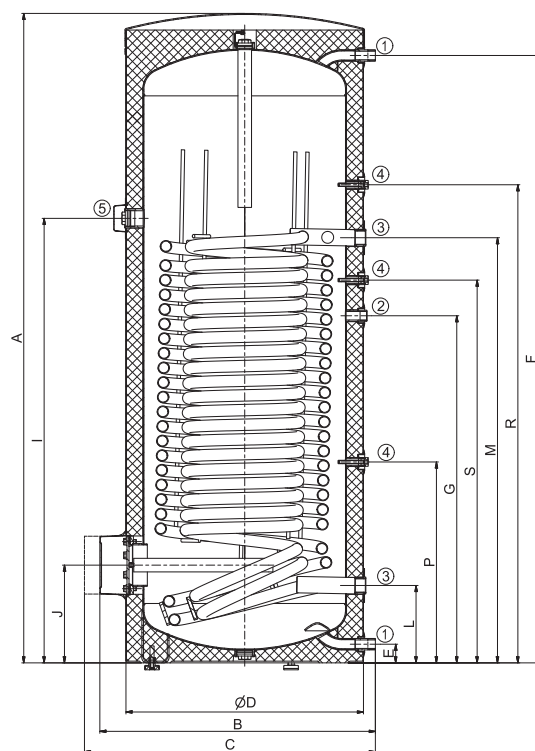
| Dimensions [mm] | A    | B   | C   | D   | E  | F    | G   | I   | J   | L   | M    | P   | R    | S   |
|-----------------|------|-----|-----|-----|----|------|-----|-----|-----|-----|------|-----|------|-----|
| OKC 300 NTR/HP  | 1558 | 750 | 775 | 670 | 77 | 1579 | 760 | 895 | 325 | 219 | 1309 | 438 | 1148 | 937 |



SOCKET no. 1 1" outer  
 SOCKET no. 2 3/4" inner  
 SOCKET no. 3 1/2" inner  
 SOCKET no. 4 3/4" inner

OKC 300 NTR/HP

| Dimensions [mm] | A    | B   | C   | D   | E  | F    | G    | I    | J   | L   | M    | P   | R    | S    |
|-----------------|------|-----|-----|-----|----|------|------|------|-----|-----|------|-----|------|------|
| OKC 500 NTR/HP  | 1914 | 812 | 857 | 700 | 55 | 1790 | 1023 | 1310 | 288 | 228 | 1253 | 592 | 1409 | 1128 |



SOCKET no. 1 1" outer  
 SOCKET no. 2 3/4" inner  
 SOCKET no. 3 5/4" inner  
 SOCKET no. 4 1/2" inner  
 SOCKET no. 5 3/4" inner

OKC 500 NTR/HP



- Working pressure in the vessel and in the heat exchanger is 1 MPa
- With two heat exchangers, the upper large heat exchanger for connection heating sources (heat pump, low-temperature source) and bottom exchanger (eg solar)
- Installation of TJ 6/4" electrical heating nit possible
- Installation of TPK 150-8 electrical heating unit possible
- Storage tank includes 3 sensor pockets

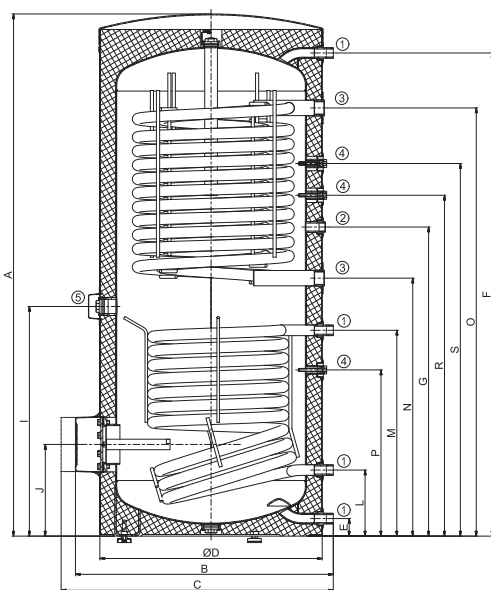


| Type of storage tank                                   |                                       | OKC 400 NTRR/HP/SOL | OKC 500 NTRR/HP/SOL |
|--------------------------------------------------------|---------------------------------------|---------------------|---------------------|
| Order number                                           |                                       | 121491402           | 121391402           |
| Capacity                                               | [l]                                   | 352                 | 469                 |
| Max. weight of the empty water heater                  | [kg]                                  | 183                 | 233                 |
| Insulation thickness                                   | [mm]                                  | 50                  |                     |
| Thermal conductivity of the insulation                 | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,021               |                     |
| Max. operating temp. / overpressure in tank            | [°C]/[bar]                            | 80/10               |                     |
| Heat transfer surface of the exchanger* (top/bottom)   | [m <sup>2</sup> ]                     | 3,1/1,4             | 4,8/2               |
| Capacity of the exchanger* (top/bottom)                | [l]                                   | 19,3/9              | 29,7/12,3           |
| Max. operating temperature / overpressure in exchanger | [°C]/[bar]                            | 110/10              |                     |
| Power of the exchanger (ČSN EN 12897)                  | [kW]                                  | 45**/32*            | 50**/58*            |
| Heating time by the exchanger from 10 °C to 60 °C *    | [min]                                 | 32/22               | 26/27               |
| Energy efficiency class                                |                                       | C                   |                     |
| Static loss                                            | [W]                                   | 90                  | 105                 |

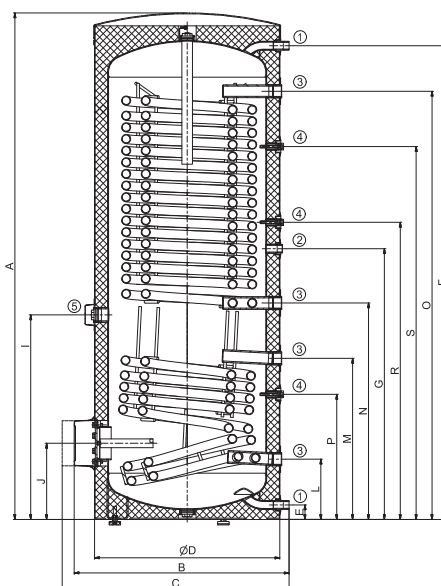
\* measured with heating water 80 °C

\*\* measured with heating water 55 °C

| Dimensions [mm]     | A    | B   | C   | D   | E  | F    | G    | I   | J   | L   | M   | N   | O    | P   | R    | S    |
|---------------------|------|-----|-----|-----|----|------|------|-----|-----|-----|-----|-----|------|-----|------|------|
| OKC 400 NTRR/HP/SOL | 1644 | 812 | 857 | 700 | 55 | 1521 | 973  | 723 | 288 | 208 | 648 | 812 | 1348 | 523 | 1073 | 1173 |
| OKC 500 NTRR/HP/SOL | 1914 | 812 | 857 | 700 | 55 | 1790 | 1023 | 773 | 288 | 228 | 609 | 818 | 1618 | 473 | 1123 | 1409 |



OKC 400 NTRR/HP/SOL



OKC 500 NTRR/HP/SOL

SOCKET no. 1 1" outer  
 SOCKET no. 2 ¾" inner  
 SOCKET no. 3 ½" inner  
 SOCKET no. 4 ½" inner  
 SOCKET no. 5 ¾" inner



- Optimised exchanger surfaces for solar collectors and other sources of power
- Storage tank includes 2 temperature sensor pockets
- Installation of TJ 6/4" electrical heating unit possible
- Better layering of hot water thanks to modified dimensions
- Storage tanks can be used as main water heating storage tank or as pre-heating storage tank before existing hot water storage tank



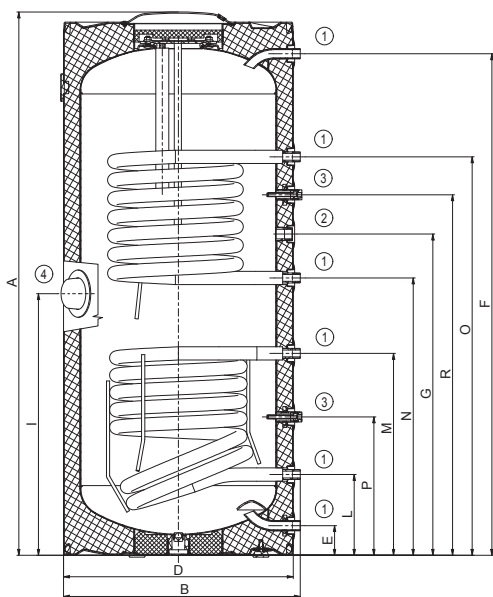
OKC 200, 250 NTRR/SOL



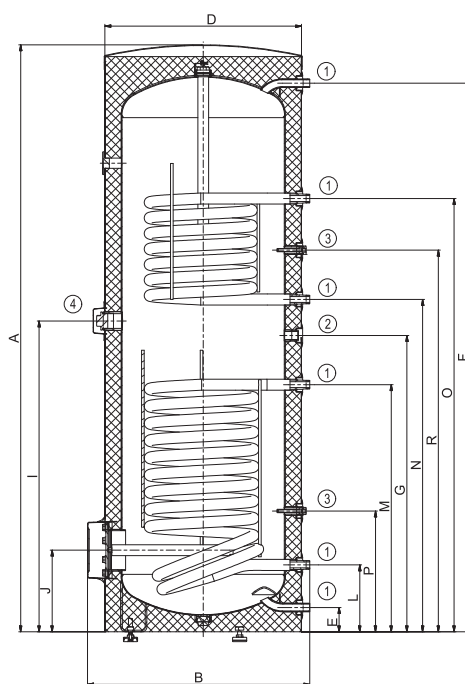
OKC 300 NTRR/SOL

| Type of storage tank                                      |                                       | OKC 200 NTRR/SOL | OKC 250 NTRR/SOL | OKC 300 NTRR/SOL |
|-----------------------------------------------------------|---------------------------------------|------------------|------------------|------------------|
| Order number                                              |                                       | 1107913101       | 1109913101       | 121091301        |
| Capacity                                                  | [l]                                   | 200              | 242              | 275              |
| Max. weight of the empty water heater                     | [kg]                                  | 104              | 109              | 111              |
| Insulation thickness                                      | [mm]                                  | 42               |                  | 48               |
| Thermal conductivity of the insulation                    | [W·m <sup>-1</sup> ·K <sup>-1</sup> ] | 0,022            |                  | 0,021            |
| Max. operating temp. / overpressure in tank               | [°C]/[bar]                            |                  | 80/10            |                  |
| Heat transfer surface of the exchanger * (top/bottom)     | [m <sup>2</sup> ]                     | 0,8/0,8          | 0,8/1            | 0,8/1,2          |
| Capacity of the exchanger * (top/bottom)                  | [l]                                   | 5,5/5,5          | 5,5/7            | 5,5/8,5          |
| Max. operating temperature / overpressure in exchanger    | [°C]/[bar]                            |                  | 110/10           |                  |
| Power of the exchanger at the 720 l at 80 °C (top/bottom) | [kW]                                  | 19/19            | 19/24            | 19/29            |
| Heating time by the exchanger from 10 °C to 60 °C *       | [min]                                 | 23/34            | 26/33            | 25/33            |
| Energy efficiency class                                   |                                       |                  | C                |                  |
| Static loss                                               | [W]                                   | 82               | 87               | 85               |

| Dimensions [mm]  | A    | B   | D   | E  | F    | G   | I   | J   | L   | M   | N    | O    | P   | R    |
|------------------|------|-----|-----|----|------|-----|-----|-----|-----|-----|------|------|-----|------|
| OKC 200 NTRR/SOL | 1380 | 605 | 584 | 75 | 1275 | 815 | 665 | -   | 205 | 515 | 705  | 1015 | 350 | 915  |
| OKC 250 NTRR/SOL | 1560 | 605 | 584 | 75 | 1455 | 995 | 835 | -   | 205 | 645 | 885  | 1195 | 350 | 1095 |
| OKC 300 NTRR/SOL | 1791 | 678 | 600 | 75 | 1674 | 904 | 948 | 249 | 205 | 754 | 1014 | 1322 | 369 | 1165 |



OKC 200, 250 NTRR/SOL



OKC 300 NTRR/SOL

SOCKET no. 1 1" outer  
 SOCKET no. 2 ¾" inner  
 SOCKET no. 3 ½" inner  
 SOCKET no. 5 ¾" inner



## ACCESSORIES

## IPS ProtectX

### IPS - IONIZATION POLARIZATION SYSTEM

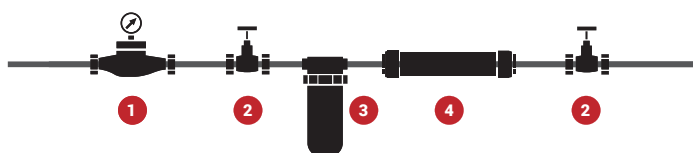
Equipment for the physical treatment of water in connection with the reduction of limestone for the protection of household appliances and water distribution systems



### ADVANTAGES

- It prolongs the service life of heating equipment and sanitary equipment
- No external power supply
- Maintenance free
- Zero additional costs
- It does not use any chemicals
- Negligible pressure losses
- Patented product
- Certified effectiveness
- Blue line - suitable for all types of water supply, in addition it contains disinfectants, suitable e.g. for untreated water sources
- Red line - suitable for all types of water supply

### INDICATIVE DIAGRAM OF THE IPS ProtectX EQUIPMENT LOCATION RED LINE



1. Consumption meter
2. Shut-off valve
3. Mechanical dirt filter
4. IPS ProtectX

| Order number | TYPE                      | DIMENSIONS (d × l) | MAXIMUM FLOW |
|--------------|---------------------------|--------------------|--------------|
| 100671000    | ProtectX G ½" (red line)  | 50 × 245 mm        | 1 m³/h       |
| 100671001    | ProtectX G ¾" (red line)  | 50 × 245 mm        | 3,2 m³/h     |
| 100671002    | ProtectX G 1" (red line)  | 50 × 251 mm        | 4 m³/h       |
| 100671003    | ProtectX G ½" (blue line) | 50 × 245 mm        | 1 m³/h       |
| 100671004    | ProtectX G ¾" (blue line) | 50 × 245 mm        | 3,2 m³/h     |
| 100671005    | ProtectX G 1" (blue line) | 50 × 251 mm        | 4 m³/h       |

## PROTECT CH

### MINI CHEMICAL WATER TREATMENT PLANT

Chemical water treatment plant for water that protects pipes and equipment against limescale deposits with a replaceable polyphosphate capsule.



### ADVANTAGES:

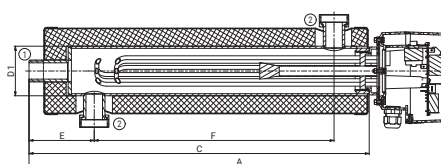
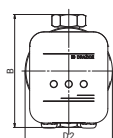
- Extends the service life of hot water heating appliance
- Installation on cold water supply in horizontal and vertical position
- Replaceable polyphosphate capsule, service life 1 – 2 months
- Maximum flow rate 1 200 l/hr
- The plant does not require a connection to electrical energy

Order Number: 100671022

# ORIGINAL PARTS FROM DRAŽICE

## BIVALENT SOURCE TJ 2"

| Type                         |      | TJ 2" HP 6 kW                | TJ 2" HP 9 kW | TJ 2" EHP 6 kW | TJ 2" EHP 9 kW |
|------------------------------|------|------------------------------|---------------|----------------|----------------|
| Order number                 |      | 2110552                      | 2110550       | 2110553        | 2110551        |
| Power consumption            | [kW] | 2 - 6                        | 3 - 9         | 2 - 6          | 3 - 9          |
| Extension length (± 10 mm)   | [mm] | 520                          |               |                |                |
| Weight                       | [kg] | 5,5                          |               |                |                |
| Electrical connection        |      | 3/N/PE ~ 3× 230 V / 50 Hz, ∟ |               |                |                |
| Recomm.circuit breaker value | [A]  | 3 × 16                       |               |                |                |
| Degree of protection         |      | IP44                         |               |                |                |



## SCREW-TYPE ELECTRICAL HEATING UNITS OF THE TJ SERIES

| Type                                    |      |  TJ 6/4"-2 |  TJ 6/4"-2,5 |  TJ 6/4" S-2,5 |  TJ 6/4"-3,3 |  TJ 6/4"-3,75 |  TJ 6/4" E-3,75 |  TJ 6/4"-4,5 |  TJ 6/4" E-4,5 |  TJ 6/4"-6 |  TJ 6/4" E-6 |  TJ 6/4"-7,5 |  TJ 6/4"-9 |
|-----------------------------------------|------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Order number                            |      | - / 2110353                                                                                  | - / 2110354                                                                                    | - / 2110361                                                                                      | 2110355 / -                                                                                    | - / 2110356                                                                                     | 2110365                                                                                           | - / 2110357                                                                                     | 2110366                                                                                            | - / 2110358                                                                                    | 2110367                                                                                          | 2110359                                                                                          | 2110360                                                                                        |
| Power consumption                       | [kW] | 2                                                                                            | 2,5                                                                                            | 2,5                                                                                              | 3,3                                                                                            | 3,75                                                                                            | 3,75                                                                                              | 4,5                                                                                             | 4,5                                                                                                | 6                                                                                              | 6                                                                                                | 7,5                                                                                              | 9                                                                                              |
| Extension length L/L1                   | [mm] | - / 380                                                                                      | - / 405                                                                                        | - / 405                                                                                          | 325 / -                                                                                        | - / 450                                                                                         | 450                                                                                               | - / 500                                                                                         | 500                                                                                                | - / 520                                                                                        | 520                                                                                              | 685                                                                                              | 690                                                                                            |
| Cold part of the heating unit (± 10 mm) |      | 175                                                                                          | 175                                                                                            | 175                                                                                              | 60                                                                                             | 175                                                                                             | 175                                                                                               | 175                                                                                             | 175                                                                                                | 175                                                                                            | 175                                                                                              | 175                                                                                              | 175                                                                                            |
| Weight                                  | [kg] | 1,2                                                                                          | 1,3                                                                                            | 1,3                                                                                              | 1,7                                                                                            | 2                                                                                               | 2                                                                                                 | 2                                                                                               | 2                                                                                                  | 2                                                                                              | 2                                                                                                | 2,3                                                                                              | 2,3                                                                                            |
| Electrical connection                   |      | 1/N/PE ~ 230 V / 50 Hz                                                                       |                                                                                                |                                                                                                  |                                                                                                | 3/N/PE ~ 3× 230 V / 50 Hz, ∟                                                                    |                                                                                                   |                                                                                                 |                                                                                                    |                                                                                                |                                                                                                  | 3/N/PE ~ 400 V / 50 Hz, Δ                                                                        |                                                                                                |
| Recomm.circuit breaker value            | [A]  | 16                                                                                           | 16                                                                                             | 16                                                                                               | 3 × 10                                                                                         | 3 × 10                                                                                          | 3 × 10                                                                                            | 3 × 10                                                                                          | 3 × 10                                                                                             | 3 × 16                                                                                         | 3 × 16                                                                                           | 3 × 16                                                                                           | 3 × 20                                                                                         |
| Degree of protection                    |      | IP44                                                                                         |                                                                                                |                                                                                                  |                                                                                                |                                                                                                 |                                                                                                   |                                                                                                 |                                                                                                    |                                                                                                |                                                                                                  |                                                                                                  |                                                                                                |
| Scale of set temperature                | [°C] | 5-74                                                                                         |                                                                                                |                                                                                                  |                                                                                                |                                                                                                 |                                                                                                   |                                                                                                 |                                                                                                    |                                                                                                |                                                                                                  |                                                                                                  |                                                                                                |
| Heat. time approx. 150 l 10-60°C        | [h]  | 4,5                                                                                          | 4                                                                                              | 4                                                                                                | 2,7                                                                                            | 2,3                                                                                             | 2,3                                                                                               | 2                                                                                               | 2                                                                                                  | 1,5                                                                                            | 1,5                                                                                              | 1,3                                                                                              | 1                                                                                              |

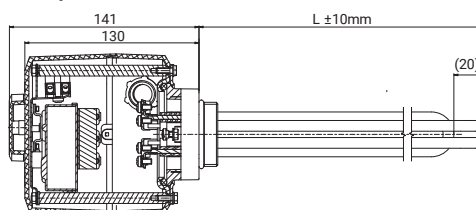
Suitable for photovoltaic applications 

Types TJ 6/4"-2 and TJ 6/4"-2,5 include flexible supply cable in the socket.

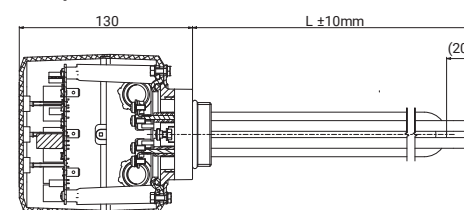
Extension lengths are in a tolerance of ± 10 mm.



TJ 6/4"



TJ 6/4" E

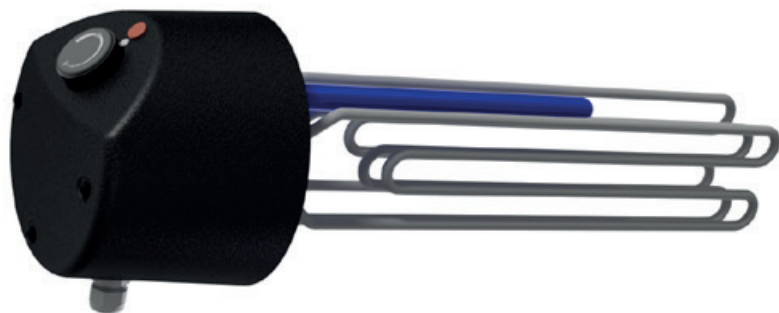


## ORIGINAL PARTS FROM DRAŽICE

### FLANGED ELECTRICAL HEATING UNITS OF THE TPJ SERIES

| Type                              |      | TPJ 150-8/2,5 kW      | TPJ 150-8/3,0 kW           | TPJ 150-8/4,0 kW | RDU 18-6                | RDW 18-7,5 | TPJ 150-8/9,0 kW | TPJ 150-8/12 kW | TPJ 150-8/15 kW |
|-----------------------------------|------|-----------------------|----------------------------|------------------|-------------------------|------------|------------------|-----------------|-----------------|
| Order number                      |      | 2110700               | 2110701                    | 2110702          | 100541564               | 100541570  | 2110705          | 2110706         | 2110707         |
| Power consumption                 | [kW] | 2,5                   | 3                          | 4                | 6                       | 7,5        | 9                | 12              | 15              |
| Weight                            | [kg] | 3                     | 3,5                        | 3,5              | 3,5                     | 3,7        | 4                | 4               | 4,2             |
| Extension length                  | [mm] | 450                   |                            |                  |                         |            |                  |                 | 580             |
| Electrical connection             |      | 1/N/PE ~ 230 V/ 50 Hz | 3/N/PE ~ 3x 230 V/50 Hz, Δ |                  | 3/N/PE ~ 400 V/50 Hz, Δ |            |                  |                 |                 |
| Recomm. circuit breaker value     | [A]  | 16                    | 3 x 10                     | 3 x 10           | 3 x 16                  | 3 x 16     | 3 x 20           | 3 x 20          | 3 x 25          |
| Degree of protection              |      | IPX4                  |                            |                  |                         |            |                  |                 |                 |
| Heat. time approx. 300 l 10–60 °C | [h]  | 7                     | 6                          | 4,5              | 3                       | 2,5        | 2                | 1,5             | 1,3             |

Extension lengths are in a tolerance of ± 10 mm.



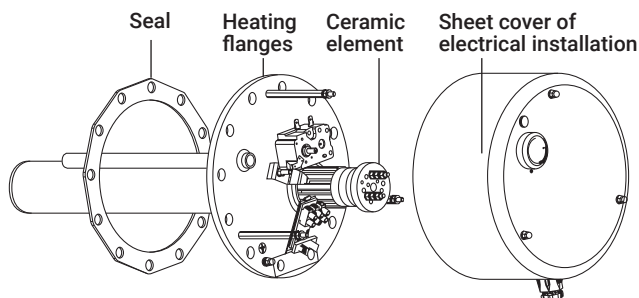
### FLANGED ELECTRICAL HEATING UNITS WITH CERAMIC BODY OF THE TPK SERIES

| Type                          |      | TPK 150-8/2,2        | TPK 150-8/3,3               | TPK 168-8/2,2        | TPK 168-8/3,3               | TPK 210-12/2,2       | TPK 210-12/3,3              | TPK 210-12/6,6 | TPK 210-12/9            | TPK 210-12/12 |
|-------------------------------|------|----------------------|-----------------------------|----------------------|-----------------------------|----------------------|-----------------------------|----------------|-------------------------|---------------|
| Order number                  |      | 2110409              | 2110427                     | 2110055              | 2110428                     | 2110053              | 2110429                     | 2110410        | 2110430                 | 2110414       |
| Power consumption             | [kW] | 2,2                  | 3,3                         | 2,2                  | 3,3                         | 2,2                  | 3,3                         | 6,6            | 9                       | 12            |
| Weight                        | [kg] | 4,2                  | 5                           | 4,2                  | 5,5                         | 6,6                  | 12                          | 13             | 13,6                    | 14            |
| Extension length              | [mm] | 400                  | 340                         | 400                  | 340                         | 440                  | 440                         | 440            | 550                     | 550           |
| Electrical connection         |      | 1/N/PE ~ 230 V/50 Hz | 3/N/PE ~ 3x 230 V/ 50 Hz, Δ | 1/N/PE ~ 230 V/50 Hz | 3/N/PE ~ 3x 230 V/ 50 Hz, Δ | 1/N/PE ~ 230 V/50 Hz | 3/N/PE ~ 3x 230 V/ 50 Hz, Δ |                | 3/N/PE ~ 400 V/50 Hz, Δ |               |
| Recomm. circuit breaker value | [A]  | 16                   | 3 x 10                      | 16                   | 3 x 10                      | 16                   | 3 x 10                      | 3 x 16         | 3 x 20                  | 3 x 25        |
| Degree of protection          |      | IP42                 |                             |                      |                             |                      |                             |                |                         |               |
| Scale of set temperature      | [°C] | 5–74                 |                             |                      |                             |                      |                             |                |                         |               |

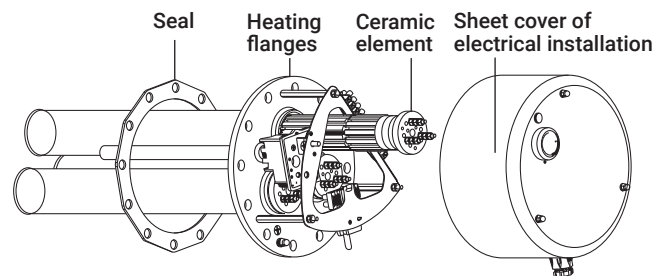
Extension lengths are in a tolerance of ± 10 mm.



## COMPOSITION OF SINGLE- AND THREE-PHASE TPK HEATING FLANGE UNITS



TPK – single-phase

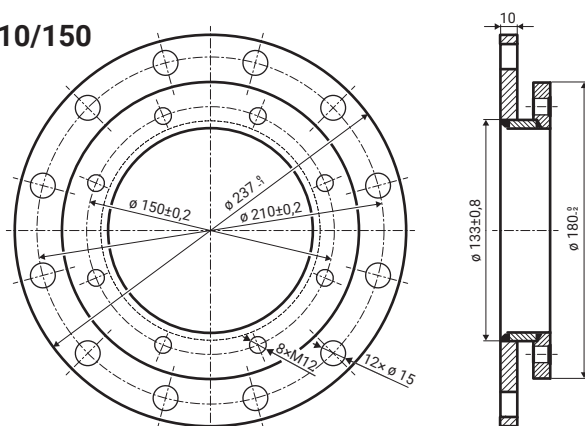


TPK – three-phase

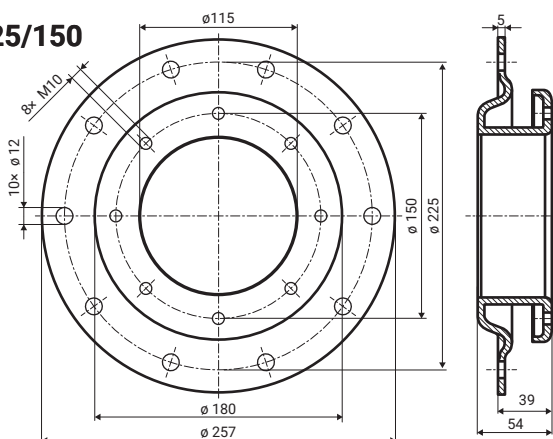
## REDUCTION FLANGES

■ REU, RDU and RSW electrical heating units can be assembled in the OKCE 160–500 S, OKC 300, 400, 500 BP water heaters using a 210/150 reduction flange.

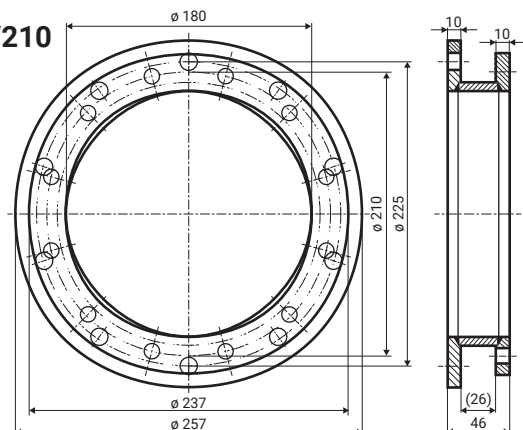
210/150



225/150



225/210



■ ETPK 210 - 2.2 kW and TPK 210 - 12/3-6 kW, TPK 210 - 12/5-9 kW and TPK 210 - 12/8-12 kW electrical heating units can be assembled in water heaters with capacities of 750 and 1000 litres using a 225/210 reduction flange.

| Flange size: | Order number: |
|--------------|---------------|
| 210/150      | 100641134     |
| 225/150      | 100641132     |
| 225/210      | 100641133     |

## ACCESSORIES TABLES

### MOUNTING OPTIONS FOR SCREW-TYPE ELECTRICAL HEATING UNITS OF THE TJ SERIES

| Type                | TJ 6/4" - 2 * | TJ 6/4" - 2,5 * | TJ 6/4" S - 2,5 * | TJ 6/4" - 3,3 | TJ 6/4" - 3,75 * | TJ 6/4" E - 3,75 * | TJ 6/4" - 4,5 * | TJ 6/4" E - 4,5 * | TJ 6/4" - 6 * | TJ 6/4" E - 6 * | TJ 6/4" - 7,5 * | TJ 6/4" - 9 * |
|---------------------|---------------|-----------------|-------------------|---------------|------------------|--------------------|-----------------|-------------------|---------------|-----------------|-----------------|---------------|
| OKCE 200 S          | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | -                 | -             | -               | -               | -             |
| OKCE 250 S          | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKCE 300 S          | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKCE 500 S          | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 200 NTR/BP      | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 300 NTR/BP      | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 500 NTR/BP      | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 200 NTRR/BP     | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 300 NTRR/BP     | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 500 NTRR/BP     | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 200 NTR/HP      | ▲             | ▲               | ▲                 | ▲             | -                | -                  | -               | -                 | -             | -               | -               | -             |
| OKC 250 NTR/HP      | ▲             | ▲               | ▲                 | ▲             | -                | -                  | -               | -                 | -             | -               | -               | -             |
| OKC 300 NTR/HP      | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | -                 | -             | -               | -               | -             |
| OKC 500 NTR/HP      | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 200 NTRR/SOL    | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 250 NTRR/SOL    | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 300 NTRR/SOL    | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 400 NTRR/HP/SOL | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |
| OKC 500 NTRR/HP/SOL | ▲             | ▲               | ▲                 | ▲             | ▲                | ▲                  | ▲               | ▲                 | -             | -               | -               | -             |

\* with extended cold part, ▲ can be fitted, - cannot be fitted

### MOUNTING OPTIONS FOR FLANGED ELECTRICAL HEATING UNITS OF THE TPJ SERIES

| Type            | TPJ 150-8/2,5 kW | TPJ 150-8/3,0 kW | TPJ 150-8/4,0 kW | RDU 18-6 | RDW 18-7,5 | TPJ 150-8/9,0 kW | TPJ 150-8/12 kW | TPJ 150-8/15 kW |
|-----------------|------------------|------------------|------------------|----------|------------|------------------|-----------------|-----------------|
| OKCE 300 S      | ●                | ●                | ●                | ●        | ●          | ●                | ●               | -               |
| OKCE 500 S      | ●                | ●                | ●                | ●        | ●          | ●                | ●               | ●               |
| OKC 300 NTR/BP  | ●                | ●                | ●                | ●        | ●          | ●                | -               | -               |
| OKC 500 NTR/BP  | ●                | ●                | ●                | ▲        | ●          | ●                | -               | -               |
| OKC 300 NTRR/BP | ●                | ●                | ●                | ●        | ●          | ●                | -               | -               |
| OKC 500 NTRR/BP | ●                | ●                | ●                | ●        | ●          | ●                | -               | -               |
| OKC 300 NTR/HP  | ▲                | ▲                | ▲                | ●        | ▲          | ▲                | -               | -               |
| OKC 500 NTR/HP  | ▲                | ▲                | ▲                | ▲        | ▲          | ▲                | -               | -               |

▲ can be fitted, ● can only be fitted with the 210/150 reduction flange, - cannot be fitted

## ACCESSORIES TABLES

### MOUNTING OPTIONS FOR FLANGED ELECTRICAL HEATING UNITS OF THE TPK SERIES

| Type                | TPK 150-8/2,2 kW | TPK 150-8/3,3 kW | TPK 168-8/2,2 kW | TPK 168-8/3,3 kW | TPK 210-12/2,2 kW | TPK 210-12/3,3 kW | TPK 210-12/6,6 kW | TPK 210-12/9 kW | TPK 210-12/12 kW |
|---------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-----------------|------------------|
| OKCE 160 S          | -                | -                | -                | -                | ▲                 | ▲                 | ▲                 | -               | -                |
| OKCE 200 S          | -                | -                | -                | -                | ▲                 | ▲                 | ▲                 | -               | -                |
| OKCE 250 S          | -                | -                | -                | -                | ▲                 | ▲                 | ▲                 | -               | -                |
| OKCE 300 S          | -                | -                | -                | -                | ▲                 | ▲                 | ▲                 | ▲               | ▲                |
| OKCE 500 S          | -                | -                | -                | -                | ▲                 | ▲                 | ▲                 | ▲               | ▲                |
| OKC 160 NTR/BP      | -                | -                | ▲                | ◆                | -                 | -                 | -                 | -               | -                |
| OKC 200 NTR/BP      | -                | -                | ▲                | ◆                | -                 | -                 | -                 | -               | -                |
| OKC 300 NTR/BP      | -                | -                | -                | -                | ▲                 | ▲                 | ▲                 | -               | -                |
| OKC 500 NTR/BP      | -                | -                | -                | -                | ▲                 | ▲                 | ▲                 | -               | -                |
| OKC 200 NTRR/BP     | -                | -                | ▲                | ◆                | -                 | -                 | -                 | -               | -                |
| OKC 300 NTRR/BP     | -                | -                | -                | -                | ▲                 | ▲                 | ▲                 | -               | -                |
| OKC 500 NTRR/BP     | -                | -                | -                | -                | ▲                 | ▲                 | ▲                 | -               | -                |
| OKC 200 NTR/HP      | -                | -                | ◆                | ◆                | -                 | -                 | -                 | -               | -                |
| OKC 250 NTR/HP      | -                | -                | ◆                | ◆                | -                 | -                 | -                 | -               | -                |
| OKC 300 NTR/HP      | ▲                | ◆                | -                | -                | -                 | -                 | -                 | -               | -                |
| OKC 500 NTR/HP      | ▲                | ◆                | -                | -                | -                 | -                 | -                 | -               | -                |
| OKC 400 NTRR/HP/SOL | ▲                | ▲                | -                | -                | -                 | -                 | -                 | -               | -                |
| OKC 500 NTRR/HP/SOL | ▲                | ▲                | -                | -                | -                 | -                 | -                 | -               | -                |

▲ can be fitted, ◆ into the tanks manufactured after 03/2023 can be installed only TPK manufactured after 03/2023, – cannot be fitted





## ANOTHER ASSORTMENT

PHOTOVOLTAIC SOLUTIONS

STORAGE TANKS

AIR CONDITION

Complete photovoltaic solutions for your house.

More information can be found at [www.dzd-solar.cz](http://www.dzd-solar.cz).



## NAD, NADS, NADO, NADOS

### STORAGE TANKS

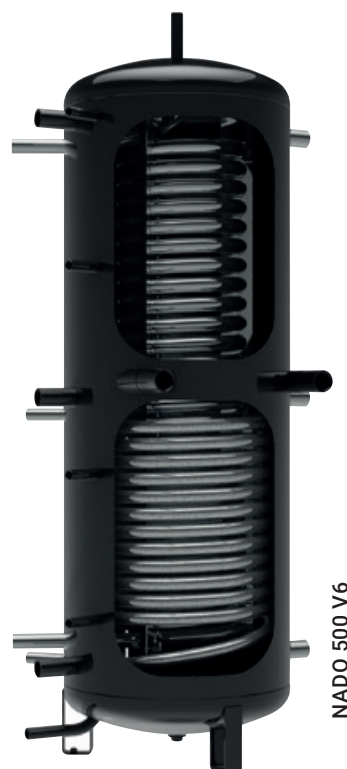
Accumulation tanks for the accumulation of thermal energy from various heat sources.

We manufacture a lot of types of storage tanks for various combinations and types of use.

The basic division is as follows:

- storage tanks without hot water preparation NAD, NADS and UKV
- storage tanks with hot water preparation NADO and NADOS

More information can be found at [www.dzd.cz/en/akumulacni-nadrze](http://www.dzd.cz/en/akumulacni-nadrze).



## AIR

### SPLIT AIR CONDITIONING UNITS

SPLIT AIR is an air conditioner with one indoor unit designed for flats, family houses, offices or smaller facilities. The air conditioner consists of an outdoor unit, one indoor unit and a smart remote controller. All three performance variants of the AIR air conditioner offer cooling, heating, a fan and drying functions.



## AIR PLUS

### MULTISPLIT AIR CONDITIONING UNITS

The Multisplit AIR PLUS air conditioners are designed for systems with a requirement for more indoor units. In this solution, one suitably dimensioned outdoor unit is supplemented by two to four indoor units of identical or different outputs so that the requirements of the project are optimally met.

By combining three types of outdoor units and four types of indoor units, practically any configuration of cooling and heating systems can be achieved exactly according to your needs.



## COMMENT

## COMMENT

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[www.dzd-solar.cz](http://www.dzd-solar.cz)



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