

WATER HEATERS

Catalogue

Water Heaters - Catalogue



DRAŽICE
MEMBER OF THE NIBE GROUP



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WATER HEATER DIAGRAM



Certified manufacturing quality and proficient technical solutions allow us to provide a 5-year warranty for most of vessels.

1 Thermometer

2 Heat exchanger coil

3 Electrical heating element well

4 Ceramic heating element

The dry ceramic heating element is not submerged but is placed in a steel well. This means that it is more resistant to scaling and has a larger heat transfer surface than a submerged heating element.

5 Mg anode rod

6 Operating and safety thermostats sensors

7 Operating and safety thermostats well

8 Operating thermostat with an external control unit Safety thermostat

9 Electrical components cover

Dražice vertical suspended water heaters feature IP 45 electrical protection, meaning that they can be placed directly above a bath in zone 1 according to ČSN 33 2000-7-701

10 Cold water inlet pipe with rectifier

11 Hot water outlet pipe

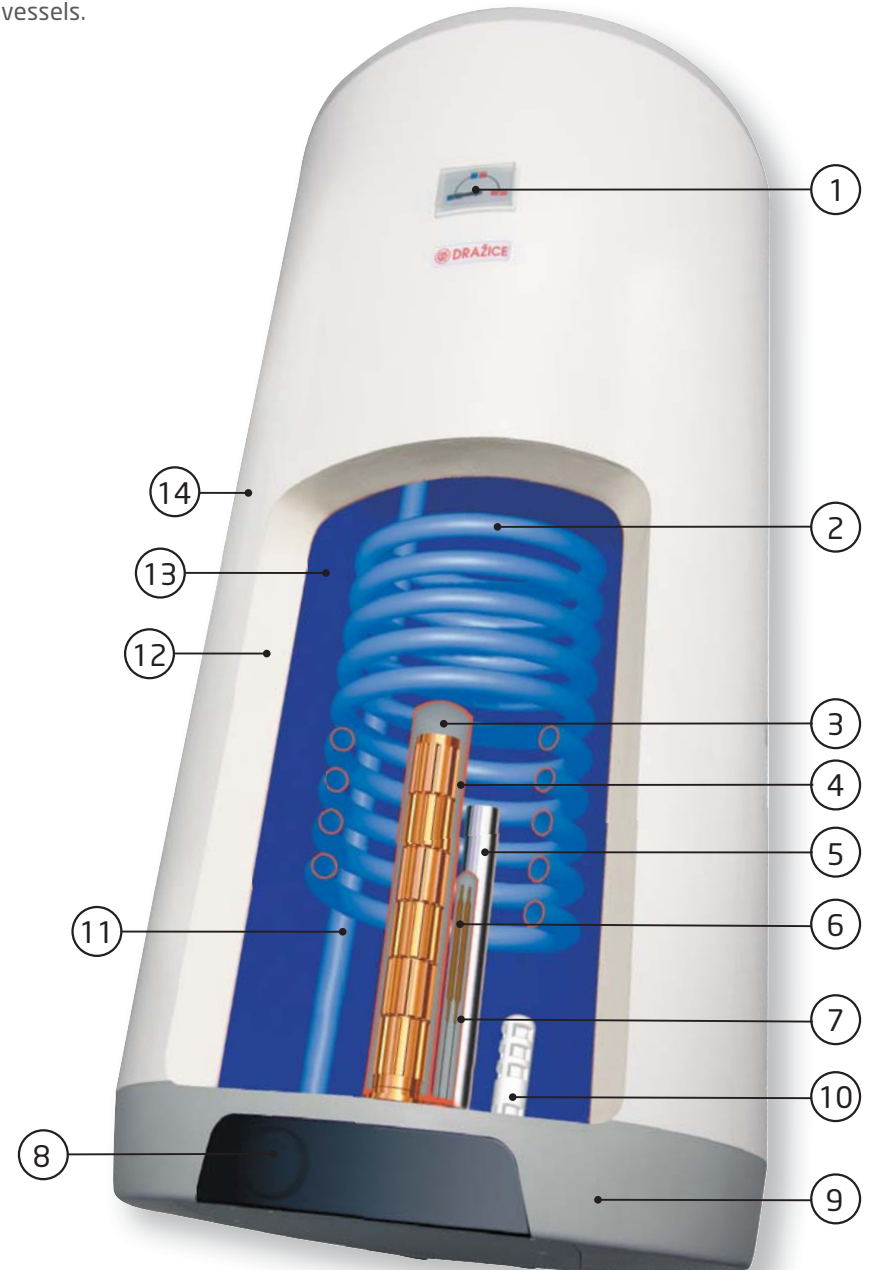
12 Polyurethane insulation 42 mm

High-quality polyurethane cfc-free insulation ensures low heat loss and low operating costs.

13 Enameled steel vessel

The steel vessel of the water heater is made from special strong plate that resist pressure shocks. It features high-quality nickel-free enamel which, combined with a magnesium anode, guarantees the heater a long operational life.

14 Water heater jacket



ELECTRIC INSTANTANEOUS WATER HEATERS

PTO 0733, PTO 1733

ELECTRIC STORAGE WATER HEATERS - NON-PRESSURE/PRESSURE

BTO 5 UP, BTO 10 UP, BTO 5 IN, BTO 10 IN, TO 5 UP, TO 10 UP, TO 15 UP, TO 5 IN, TO 10 IN, TO 15 IN
CLOSE - IN 10, CLOSE - IN 15, CLOSE - UP 10, CLOSE - UP 15

ELECTRIC STORAGE WATER HEATERS

TO 20, OKCE 50, OKCE 80, OKCE 100, OKCE 125, OKCE 160, OKCE 180, OKCE 200

ELECTRIC STORAGE WATER HEATERS

OKCEV 100, OKCEV 125, OKCEV 160, OKCEV 180, OKCEV 200

COMBINED AND INDIRECT HEATING STORAGE WATER HEATERS

OKC 80, OKC 80 NTR/Z, OKC 100, OKC 125, OKC 160, OKC 100/1 m², OKC 125/1 m², OKC 160/1 m², OKC 100 NTR/Z,
OKC 125 NTR/Z, OKC 160 NTR/Z, OKC 180, OKC 200, OKC 180/1 m², OKC 200/1 m², OKC 200 NTR/Z

COMBINED STORAGE WATER HEATERS

OKCV 125, OKCV 160, OKCV 180, OKCV 200

ELECTRIC STORAGE WATER HEATERS

OKHE 80, OKHE 100, OKHE 125, OKHE 160

ELECTRIC STORAGE WATER HEATERS

OKCE 100 S/2,2 kW, OKCE 125 S/2,2 kW, OKCE 160 S/2,2 kW, OKCE 200 S/2,2 kW, OKCE 250 S/2,2 kW
OKCE 160 S/3-6 kW, OKCE 200 S/3-6 kW, OKCE 250 S/3-6 kW, OKCE 300 S/1 MPa, OKCE 400 S/1 MPa,
OKCE 500 S/1 MPa, OKCE 750 S/1 MPa, OKCE 1000 S/1 MPa, OKCE 800 S/1 MPa, OKCE 1500 S/1 MPa, OKCE 2000 S/1 MPa

INDIRECT STORAGE WATER HEATERS

OKCE 100 NTR/2,2 kW, OKCE 125 NTR/2,2 kW, OKCE 160 NTR/2,2 kW, OKCE 200 NTR/2,2 kW, OKCE 250 NTR/2,2 kW,
OKCE 200 NTRR/2,2 kW, OKCE 250 NTRR/2,2 kW
OKC 100 NTR/BP, OKC 125 NTR/BP, OKC 160 NTR/BP, OKC 200 NTR/BP, OKC 250 NTR/BP, OKC 200 NTRR/BP, OKC 250 NTRR/BP,
OKCE 300 NTR/2,2 kW, OKCE 300 NTRR/2,2 kW, OKCE 300 NTR/3-6 kW, OKCE 300 NTRR/3-6 kW,
OKC 300 NTR/BP, OKC 300 NTRR/BP

SOLAR WATER HEATERS

OKC 200 NTRR/SOL, OKC 250 NTRR/SOL, OKC 300 NTRR/SOL

INDIRECT STORAGE WATER HEATERS

OKC 100 NTR, OKC 125 NTR, OKC 160 NTR, OKC 200 NTR, OKC 250 NTR, OKC 200 NTRR, OKC 250 NTRR,
OKH 100 NTR, OKH 125 NTR, OKH 160 NTR
OKC 100 NTR/HV, OKC 125 NTR/HV, OKC 160 NTR/HV, OKH 100 NTR/HV, OKH 125 NTR/HV
OKC 300 NTR/1 MPa, OKC 400 NTR/1 MPa, OKC 500 NTR/1 MPa, OKC 750 NTR/1 MPa, OKC 1000 NTR/1 MPa
OKC 800 NTR/1 MPa, OKC 1500 NTR/1 MPa, OKC 2000 NTR/1 MPa

INDIRECT STORAGE WATER HEATERS

OKC 300 NTRR/1 MPa, OKC 400 NTRR/1 MPa, OKC 500 NTRR/1 MPa, OKC 750 NTRR/1 MPa, OKC 1000 NTRR/1 MPa
OKC 800 NTRR/1 MPa, OKC 1500 NTRR/1 MPa, OKC 2000 NTRR/1 MPa

SOLAR WATER HEATERS

OKC 300 NTR/SOLAR SET, OKC 300 NTRR/SOLAR SET

INDIRECT STORAGE WATER HEATERS

OKC 300 NTR/HP, OKC 400 NTR/HP, OKC 500 NTR/HP

ACCESSORIES

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PRODUCTS



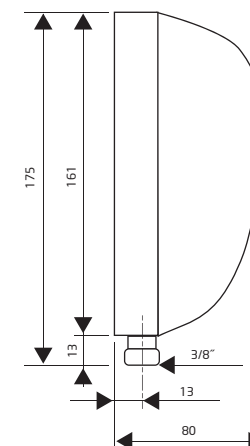
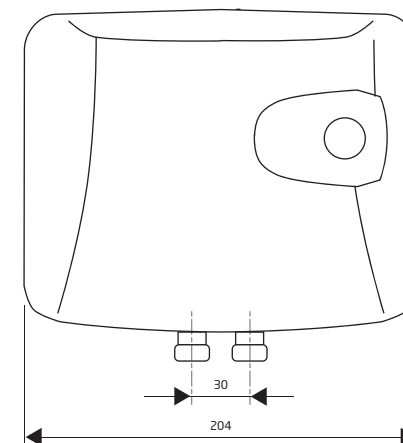
PTO 0733
PTO 1733

ELECTRIC INSTANTANEOUS WATER HEATERS

For single-point installation
-basin, sink or shower

Electric instantaneous water heaters of PTO 733 range are due to its design and dimensions intended for direct installation at a basin, sink, shower etc. with a fixed connection to the electric power supply only.

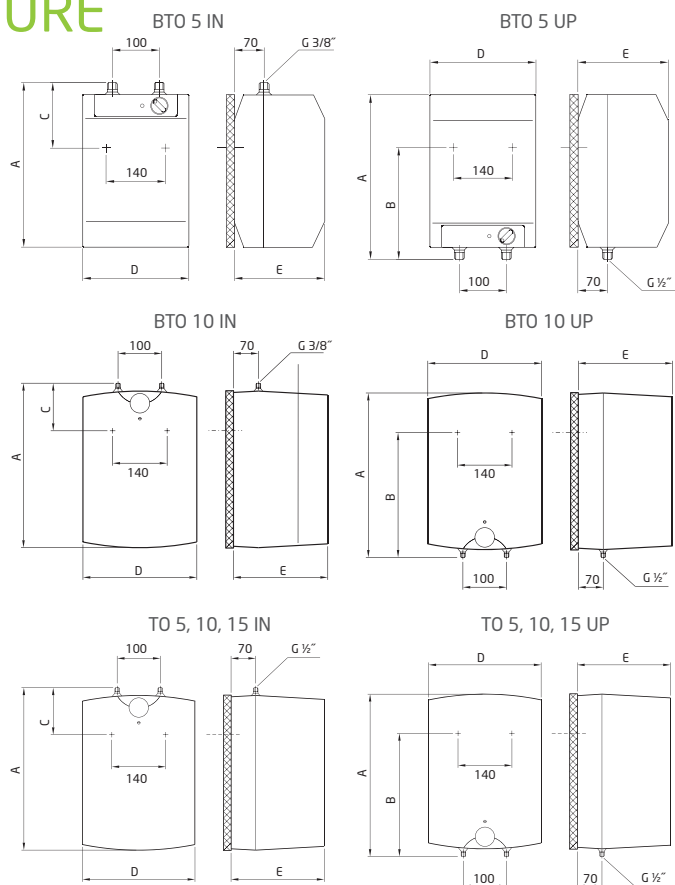
They are appreciated in households, cottages, weekend houses, workshops, medical facilities and anywhere you need an instant consumption of hot water.



Type	PTO 0733	PTO 1733
Nominal power [kW]	3,5	5
Nominal voltage [V]	230	230
Nominal current [A]	15.2	21.7
Circuit breaker [A]	16	25
Recommended - for basin	•	•
- for sink	•	•
- for shower	-	•
Min. pressure in water piping [MPa]	0.08	0.08
Max. pressure in water piping [MPa]	0.6	0.6
Operating pressure [MPa]	0	0
Electrical protection	IP 25	IP 25
Appliance weight [kg]	1,3	1,3
Connection to water piping	G ½"	G ½"
Dimensions [mm]	175x204x80	175x204x80

ELECTRIC STORAGE WATER HEATERS NON-PRESSURE/PRESSURE

Wall-mounted, electric
located under the consumption point -IN
located above the consumption point -UP



Type	A	B	C	D	E
BTO 5 UP	390	264	-	256	213
BTO 5 IN	390	-	138	256	213
BTO 10 UP	500	398	-	350	265
BTO 10 IN	500	-	122	350	265
TO 5 UP	500	398	-	350	265
TO 5 IN	500	-	122	350	265
TO 10 UP	500	398	-	350	265
TO 10 IN	500	-	122	350	265
TO 15 UP	500	398	-	350	310
TO 15 IN	500	-	122	350	310

Type	BTO 5 UP/IN	BTO 10 UP/IN	TO 5 UP/IN	TO 10 UP/IN	TO 15 UP/IN
Volume [l]	5	10	5	10	15
Connected load [kW]	2	2	2	2	2
Nominal overpressure [MPa]	0	0	0.6	0.6	0.6
Heating period with ele. en. from 10 °C to 60 °C [min]	9	18	9	18	27
Height x width x depth [mm]	390x256x213	500x350x265	500x350x265	500x350x265	500x350x310
Weight [kg]	3.5	4	7	8	11
Vessel	plast	plast	smaltovaná ocel	smaltovaná ocel	smaltovaná ocel
Electrical protection	IP 24	IP 24	IP 24	IP 24	IP 24
Voltage [V/Hz]	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50
Heat loss [kWh/24h]/energy efficiency class	0.32/G	0.4/G	0.25/G	0.33/G	0.4/G

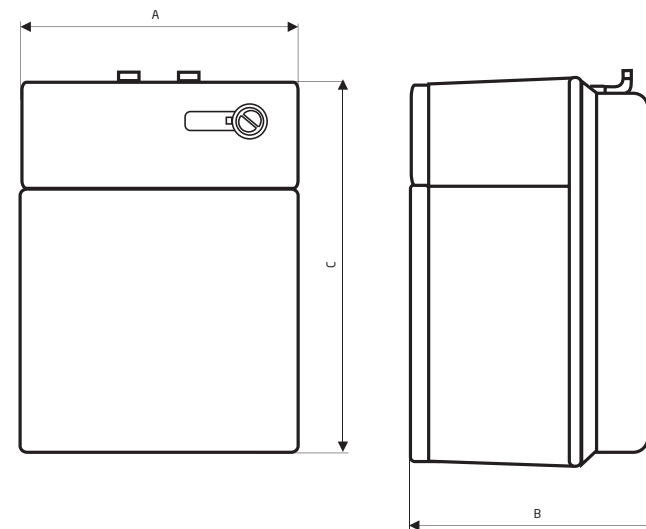
BTO 5 UP/IN
BTO 10 UP/IN
TO 5 UP/IN
TO 10 UP/IN
TO 15 UP/IN



CLOSE - IN 10
 CLOSE - IN 15
 CLOSE - UP 10
 CLOSE - UP 15

ELECTRIC STORAGE WATER HEATERS

Wall-mounted, vertical
 located under the consumption point -IN
 located above the consumption point -UP



Type	A	B	C
10 l	300	285	452
15 l	300	285	452

Type	CLOSE - IN 10/15	CLOSE - UP 10/15
Volume [l]	10/15	10/15
Voltage [V/Hz]	1 PE-N~230/50	1 PE-N~230/50
Connected load [kW]	2,2	2,2
Electrical protection	IP 24	IP 24
Max.operating overpressure in the tank [MPa]	0,8	0,8
Settings [°C]	5-80	5-80
Heating period with ele. en. from 10 °C to 60 °C [min]	20/25	20/25
Connection (external screw)	3,8"	3,8"
Height x width x depth [mm]	452x300x285	452x300x285
Weight [kg]	6,5/7,5	6,5/7,5
Vessel	cooper	cooper
Heat loss [kWh/24h]/energy efficiency class	0,41/0,58/G/G	0,36/0,50/G/G

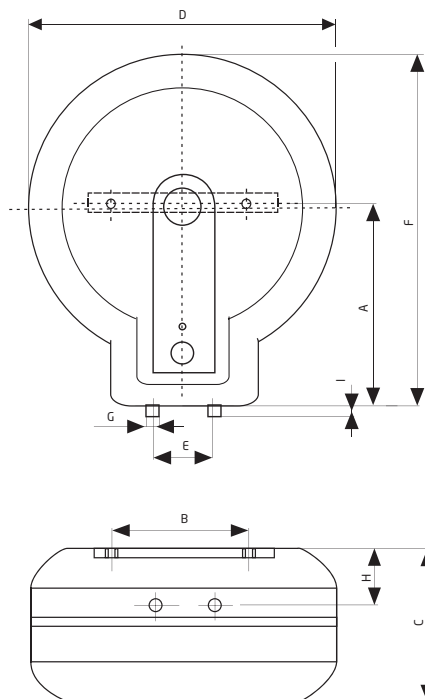
ELECTRIC STORAGE WATER HEATERS

TO 20

Wall-mounted, vertical

The design of the TO 20 permits:

- Hot water temperature settings between 7 and 77 °C
- Water temperature visual checking
- Overheating protection
- Anti freezing protection
- Water heating visual indicator
- Positioning of the heater directly above a bath with a protection level IP 45
- Very low heat loss
- For several consumption points (pressure WH)
- Fast heating of water (from 10 °C to 60 °C in 31 minutes)



Type	A	B	C	D	E	F	G	H	I
TO 20	335	180	246	500	100	581	½"	98	16

Type	TO 20
Volume [l]	20
Nominal overpressure [MPa]	0,6
Voltage [V/Hz]	1 PE-N~230/50
Heating period with ele. en. from 10 °C to 60 °C [min]	31
Weight [kg]	15
Vessel	enameled steel
Electrical protection	IP 45
Connected load [kW]	2,2
Heat loss [kWh/24h]/energy efficiency class	0,28/F



OKCE 50
OKCE 80
OKCE 100
OKCE 125
OKCE 160



ELECTRIC STORAGE WATER HEATERS

Wall-mounted, vertical

ELECTRIC storage water heater for vertical mounting

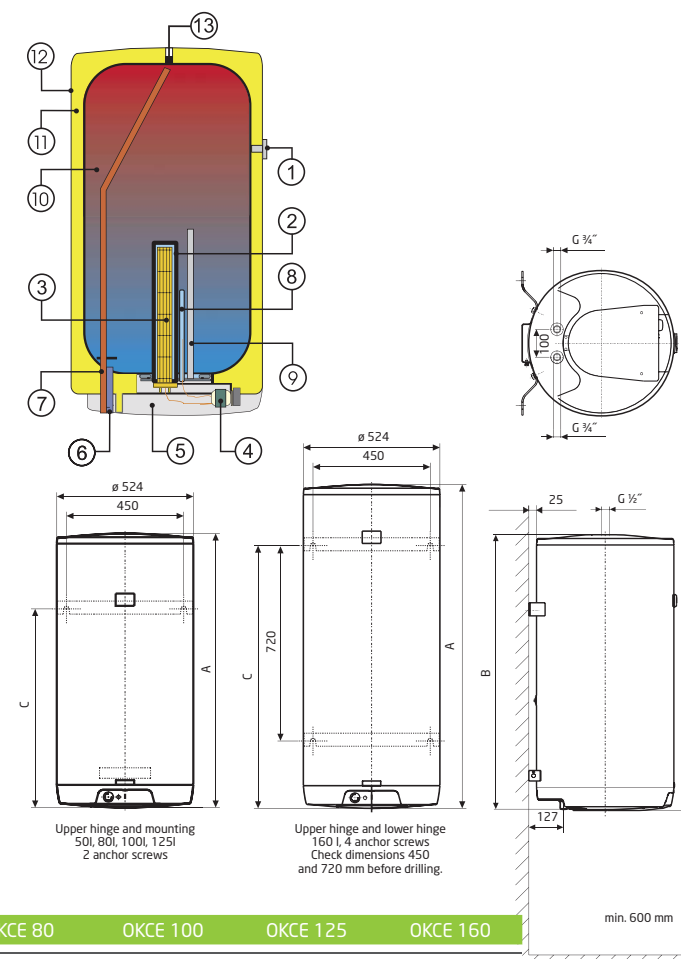
- 1 Thermometer
- 2 Heating element well
- 3 **DRY CERAMIC HEATING ELEMENT**
- 4 Operating thermostat with external control
Safety thermostat
- 5 Cover for electrical equipment
- 6 Filling pipe for cold water
- 7 Discharge pipe for hot water
- 8 Operating and safety thermostat well
- 9 Mg anode
- 10 Enamelled steel vessel
- 11 Polyurethane CFC-free insulation - 42 mm
- 12 Water heater
- 13 Another hot water outlet (circulation)

Type	OKCE 50	OKCE 80	OKCE 100	OKCE 125	OKCE 160
A	561	736	881	1046	1235
B*	556	731	876	1041	1230
C	448	615	765	765	1005

*Distance from upper edge of the heater to the end of the water inlet and outlet pipes.

Type	OKCE 50	OKCE 80	OKCE 100	OKCE 125	OKCE 160
Volume [l]	51	80	100	125	152
Nominal overpressure [MPa]	0.6	0.6	0.6	0.6	0.6
Voltage [V/Hz]	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50
Connected load [kW]	2	2	2	2	2
Electrical protection	IP 45	IP 45	IP 45	IP 45	IP 45
Height x Diameter [mm]	561x524	736x524	881x524	1046x524	1235x524
Maximum weight of heater without water [kg]	30	36	42	48	58
Heating period with ele. en. from 10 °C to 60 °C [h]	1.5	2.5	3	3.8	5
Heat loss [kWh/24h]/energy efficiency class	0.45/C	0.71/C	0.88/C	1.09/C	1.39/C

The OKCE 80, 100, 125, 160 heaters can be made to order with a heating element with 4000 W and 3 PE-N 400V/50Hz connection. Heating time is decreased to half the value stated in the table.



ELECTRIC STORAGE WATER HEATERS

Wall-mounted, vertical

ELECTRIC storage water heater for vertical mounting

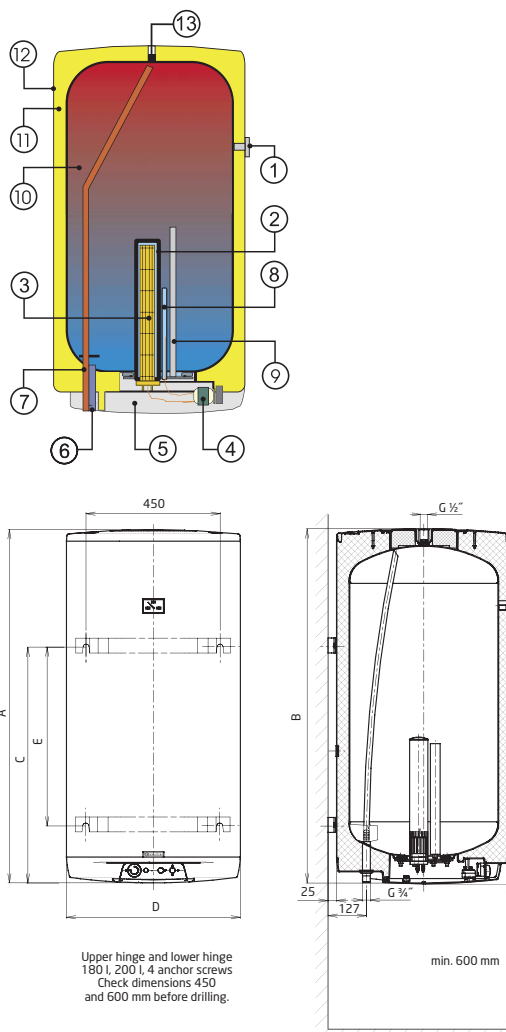
- 1 Thermometer
- 2 Heating element well
- 3 **DRY CERAMIC HEATING ELEMENT**
- 4 Operating thermostat with external control
Safety thermostat
- 5 Cover for electrical equipment
- 6 Filling pipe for cold water
- 7 Operating and safety thermostat well
- 8 Discharge pipe for hot water
- 9 Mg anode
- 10 Enameled steel vessel
- 11 Polyurethane CFC-free insulation - 42 mm
- 12 Water heater jacket
- 13 Another hot water outlet (circulation)

Type	A	B*	C	D	E
OKCE 180	1187	1182	793	584	600
OKCE 200	1287	1282	793	584	600

*Distance from the upper edge of the heater to the end of the water input and outlet pipes

Type	OKCE 180	OKCE 200
Volume [l]	180	200
Nominal overpressure [MPa]	0.6	0.6
Voltage [V/Hz]	1 PE-N~230/50	1 PE-N~230/50
Connected load [kW]	2.2	2.2
Electrical protection	IP 45	IP 45
Height x Diameter [mm]	1187x584	1287x584
Maximum weight of heater without water [kg]	72	76
Heating period with ele. en. from 10 °C to 60 °C [h]	5	5.5
Heat loss [kWh/24h]/energy efficiency class	1.39/C	1.4/B

The OKCE 180, 200 heaters can be made to order with a heating element with 4000 W and 3 PE-N 400V/50Hz connection. Heating time is decreased to half the value stated in the table.



OKCE 180
OKCE 200



OKCEV 100
OKCEV 125
OKCEV 160



ELECTRIC STORAGE WATER HEATERS

Wall-mounted, horizontal

ELECTRIC storage water heater for horizontal mounting

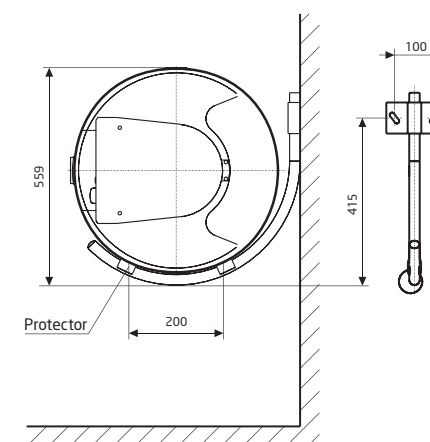
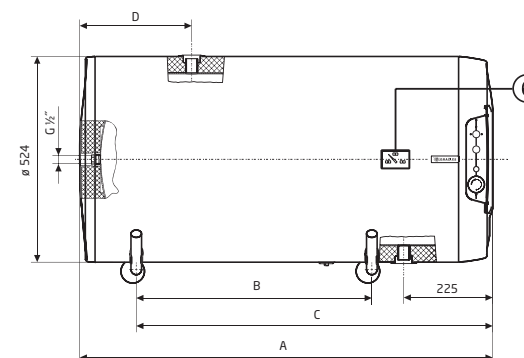
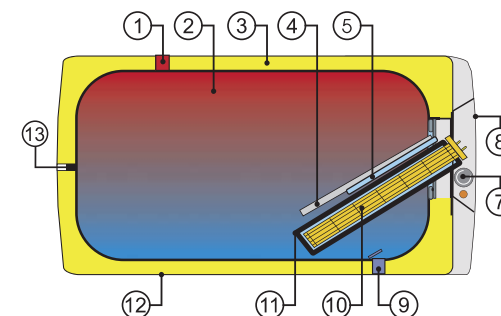
- 1 Discharge pipe for hot water
- 2 Enameled steel vessel
- 3 Polyurethane CFC-free insulation - 42 mm
- 4 Mg anode
- 5 Operating and safety thermostat well
- 6 Thermometer
- 7 Operating thermostat with external control Safety thermostat
- 8 Cover for electrical equipment
- 9 Filling pipe for cold water
- 10 **DRY CERAMIC HEATING ELEMENT**
- 11 Heating element well
- 12 Water heater jacket
- 13 Circulation

Type	A	B	C	D
OKCEV 100	881	450	758	185
OKCEV 125	1046	600	908	184
OKCEV 160	1235	700	1008	230

All inlets and outlets have an internal G 3/4" thread.

Hanging brackets are not included in the delivery (ACCESSORIES).

Type	OKCEV 100	OKCEV 125	OKCEV 160
Volume [l]	100	125	152
Max. operating overpressure in the tank [MPa]	0.6	0.6	0.6
Voltage [V/Hz]	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50
Connected load [kW]	2	2	2
Electrical protection	IP 44	IP 44	IP 44
Maximum HUW temperature [°C]	80	80	80
Recommended HUW temperature [°C]	60	60	60
Length x Diameter [mm]	881x524	1046x524	1235x524
Maximum weight of heater without water [kg]	41	47	56
Heating period with ele. en. from 10 °C to 60 °C [h]	3	3,8	5
Heat loss [kWh/24h]/energy efficiency class	0.88/C	1.09/C	1.39/C



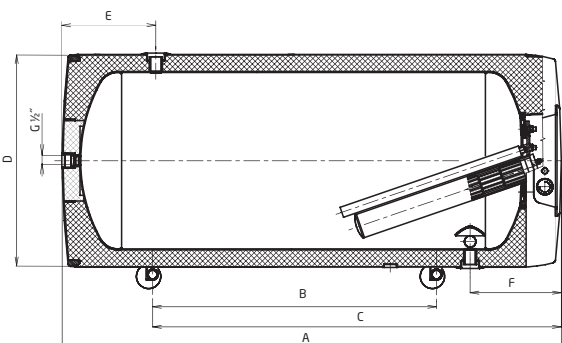
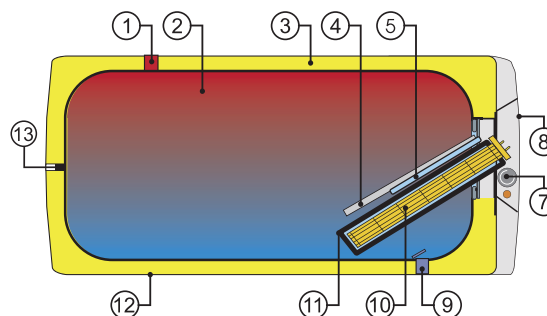
ELECTRIC STORAGE WATER HEATERS

OKCEV 180
OKCEV 200

Wall-mounted, horizontal

ELECTRIC storage water heater for horizontal mounting

- 1 Discharge pipe for hot water
- 2 Enameled steel vessel
- 3 Polyurethane CFC-free insulation - 42 mm
- 4 Mg anode
- 5 Operating and safety thermostat well
- 6 Thermometer
- 7 Operating thermostat with external control Safety thermostat
- 8 Cover for electrical equipment
- 9 Filling pipe for cold water
- 10 **DRY CERAMIC HEATING ELEMENT**
- 11 Heating element well
- 12 Water heater jacket
- 13 Circulation



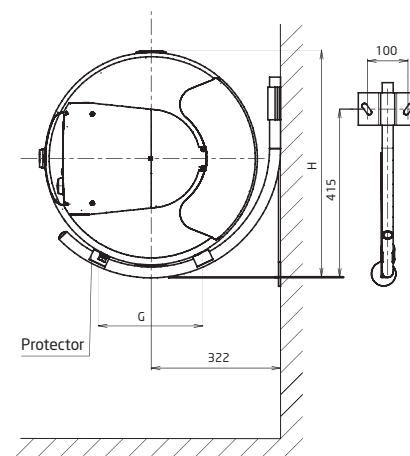
Type	A	B	C	D	E	F	G	H
OKCEV 180	1187	600	907	584	254	252	240	616
OKCEV 200	1287	600	907	584	254	252	240	616

All inlets and outlets have an internal G 3/4" thread.

Hanging brackets are not included in the delivery (ACCESSORIES).

Type	OKCEV 180	OKCEV 200
Volume [l]	180	200
Max. operating overpressure in the tank [MPa]	0.6	0.6
Voltage [V/Hz]	1 PE-N~230/50	1 PE-N~230/50
Connected load [kW]	2.2	2.2
Electrical protection	IP 44	IP 44
Maximum HUW temperature [°C]	80	80
Recommended HUW temperature [°C]	60	60
Length x Diameter [mm]	1200x584	1300x584
Maximum weight of heater without water [kg]	69	73
Heating period with ele. en. from 10 °C to 60 °C [h]	5	5,5
Heat loss [kWh/24h]/energy efficiency class	1.39/C	1.4/B

The OKCEV 180, 200 heaters can be made to order with a heating element with 4000 W and 3 PE-N 400V/50Hz connection. Heating time is decreased to half the value stated in the table.



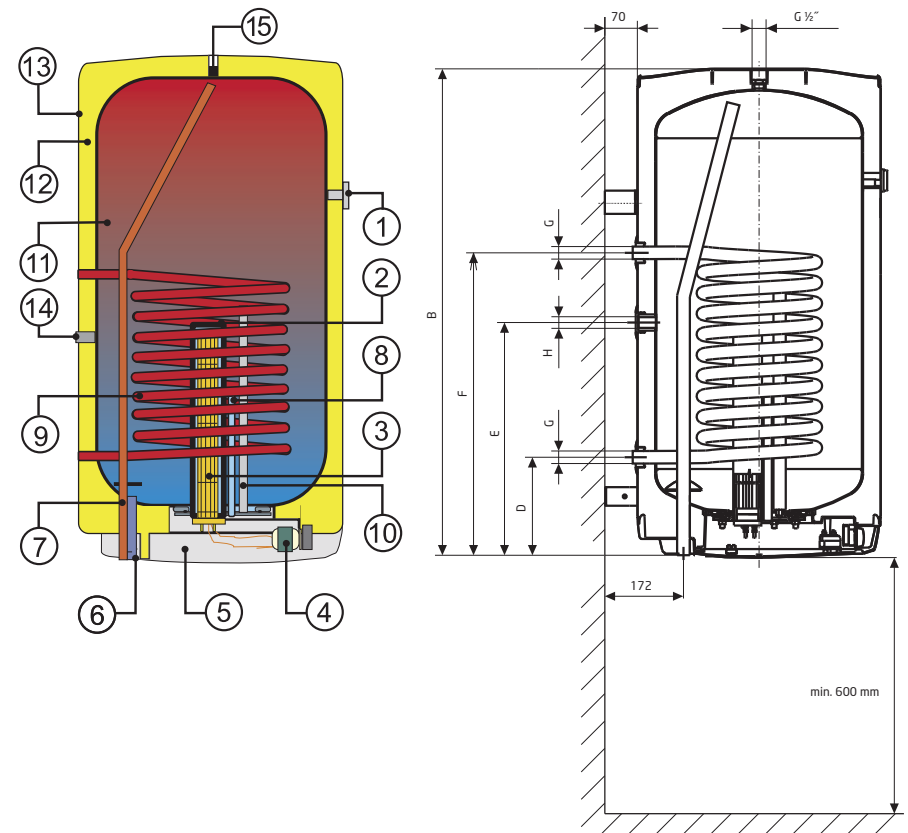
OKC 80
 OKC 80 NTR/Z
 OKC 100
 OKC 125
 OKC 160
 OKC 100/1 m²
 OKC 125/1 m²
 OKC 160/1 m²
 OKC 100 NTR/Z
 OKC 125 NTR/Z
 OKC 160 NTR/Z

COMBINED AND INDIRECT HEATING STORAGE WATER HEATERS

Wall-mounted, vertical - exchanger 0,41 m², exchanger 0,68 m², exchanger 1 m²

COMBINED water storage heater for vertical mounting

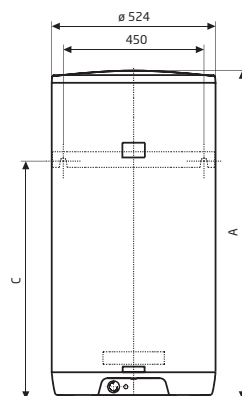
- 1 Thermometer
- 2 Heating element well
- 3 **DRY CERAMIC HEATING ELEMENT - not for NTR/Z**
- 4 Operating thermostat with external control
Safety thermostat
- 5 Cover for electrical equipment
- 6 Filling pipe for cold water
- 7 Discharge pipe for hot water
- 8 Operating and safety thermostat well
- 9 Tubular exchanger
- 10 Mg anode
- 11 Enamelled steel vessel
- 12 Polyurethane CFC-free insulation - 42 mm
- 13 Water heater jacket
- 14 Circulation - only in water heaters with a 1m² exchanger
- 15 Another hot water outlet (circulation)



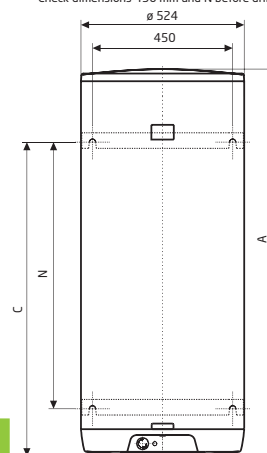
Type	OKC 80 OKC 80 NTR/Z	OKC 100 OKC 100/1 m ² OKC 100 NTR/Z	OKC 125 OKC 125/1 m ² OKC 125 NTR/Z	OKC 160 OKC 160/1 m ² OKC 160 NTR/Z
A	736	881	1046	1235
B*	731	876	1041	1230
C	615	765 / 636	765 / 801	1005
D	211	211 / 261	211 / 261	211 / 261
E	-	- / 551	- / 551	- / 831
F	501	651 / 701	651 / 701	651 / 701
G	G ¾"	G ¾" / G1"	G ¾" / G1"	G ¾" / G1"
H	-	- / G ¾"	- / G ¾"	- / G ¾"
N	-	-	-	720 / 815

*Distance from the upper edge of the heater to the end of the water inlet and outlet pipes. Check dimensions 450 and N before drilling. Values stated after the slash are for heaters with exchanger 1 m².

Upper hinge and mounting
80 l, 100 l, 125 l - 2 anchor screws



Upper hinge and lower hinge 160 l,
4 anchor screws
Check dimensions 450 mm and N before drilling.



Type	OKC 80 OKC 80 NTR/Z	OKC 100 OKC 100/1 m ² OKC 100 NTR/Z	OKC 125 OKC 125/1 m ² OKC 125 NTR/Z	OKC 160 OKC 160/1 m ² OKC 160 NTR/Z
Volume [l]	75	95	120	147
Max. operating overpressure in the tank [MPa]	0.6	0.6	0.6	0.6
Max. provozní přetlak ve exchangeru [MPa]	1	1	1	1
Voltage [V/Hz]*	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50
Connected load [kW] *	2	2	2	2
Electrical protection	IP 45	IP 45	IP 45	IP 45
Maximum HUW temperature [°C]	80	80	80	80
Recommended HUW temperature [°C]	60	60	60	60
Height x Diameter [mm]	736x524	881x524	1046x524	1235x524
Maximum weight of heater without water [kg]	42/39	52/58/56	58/64/62	66/72/70
Heating period with ele. en. from 10 °C to 60 °C [h]*	2.5	3	3.8	5
Heat loss [kWh/24h]/energy efficiency class	0.71/C	0.88/C	1.09/C	1.39/C

* These lines do not apply to NTR/Z types, which do not have a heating element.

Type	OKC 80 OKC 80 NTR/Z	OKC 100	OKC 125	OKC 160
Exchanger heating surface [m ²]	0.41	0.68	0.68	0.68
Rated exchanger output with a heating water temperature of 80 °C and flow of 720 l/h [kW]	9	17	17	17
Heating period with exchanger from 10 °C to 60 °C [min]	32	23	28	35
Rated exchanger output with a heating water temperature of 80 °C and flow of 310 l/h [kW]	7	9	9	9
Heating period with exchanger from 10 °C to 60 °C [min]	50	48	55	75

Type	OKC 100/1 m ² OKC 100 NTR/Z	OKC 125/1 m ² OKC 125 NTR/Z	OKC 160/1 m ² OKC 160 NTR/Z
Exchanger heating surface [m ²]	-	1	1
Rated exchanger output with a heating water temperature of 80 °C and flow of 720 l/h [kW]	-	24	24
Heating period with exchanger from 10 °C to 60 °C [min]	-	14	17

OKC and OKC/1m² series heaters can be made to order with a heating element with 4000 W and 3 PE-N 400V/50Hz connection. Heating time is decreased to half the value stated in the table.



OKC 180
 OKC 200
 OKC 180/1 m²
 OKC 200/1 m²
 OKC 200 NTR/Z

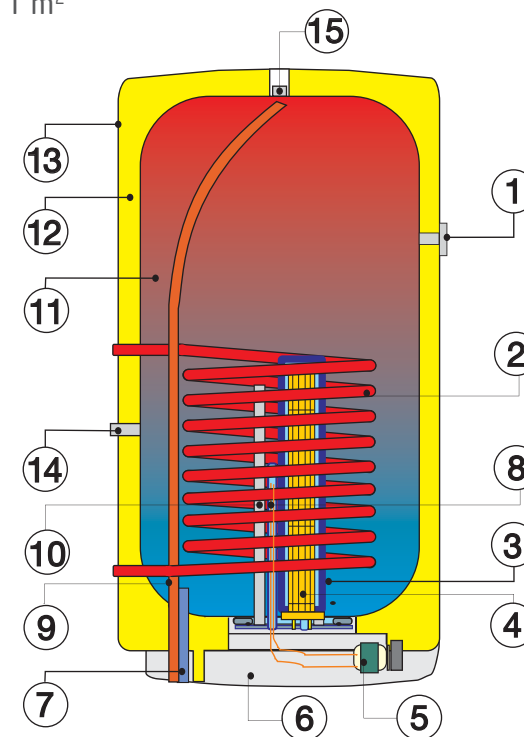


COMBINED AND INDIRECT HEATING STORAGE WATER HEATERS

Wall-mounted, vertical - exchanger 0,68 m², exchanger 1 m²

COMBINED water storage heater for vertical mounting

- 1 Thermometer
- 2 Spiral heat exchanger
- 3 Heating element well - not for NTR/Z
- 4 **DRY CERAMIC HEATING ELEMENT - not for NTR/Z**
- 5 Operating thermostat with external control
Safety thermostat
- 6 Cover for electrical equipment
- 7 Filling pipe for cold water
- 8 Operating and safety thermostat well
- 9 Discharge pipe for hot water
- 10 Mg anode
- 11 Enameled steel vessel
- 12 Polyurethane CFC-free insulation - 42 mm
- 13 Water heater jacket
- 14 Circulation - only in water heaters with a 1m² exchanger
- 15 Another hot water outlet (circulation)



Type	OKC 180	OKC 180/1 m ²	OKC 200	OKC 200/1 m ² OKC 200 NTR/Z
A	1187	1187	1287	1287
B*	1182	1182	1282	1282
C	793	793	793	793
D	584	584	584	584
E	685	685	685	685
F	-	895	-	895
G	G3/4"	G1"	G3/4"	1"
H	-	G3/4"	-	3/4"
I	245	245	245	245
J	600	600	600	600

*Distance from the upper edge of the heater to the end of the water input and outlet pipes

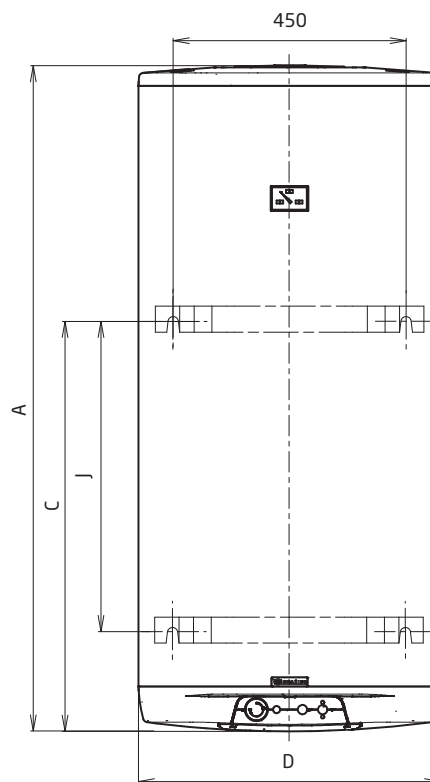
Type	OKC 180 OKC 180/1 m ²	OKC 200 OKC 200/1 m ² OKC 200 NTR/Z
Volume [l]	175	195
Max. operating overpressure in the tank [MPa]	0.6	0.6
Max. operating overpressure in the exchanger [MPa]	1	1
Voltage [V/Hz] *	1 PE-N~230/50	1 PE-N~230/50
Connected load [kW] *	2.2	2.2
Electrical protection	IP 45	IP 45
Maximum HUW temperature [°C]	80	80
Recommended HUW temperature [°C]	60	60
Height x Diameter [mm]	1187x584	1287x584
Maximum weight of heater without water [kg]	76/82	81/88/87
Heating period with ele. en. from 10 °C to 60 °C [h]*	5	5,5
Heat loss [kWh/24h]/energy efficiency class	1.39/C	1.4/B

* These lines do not apply to NTR/Z types, which do not have a heating element.

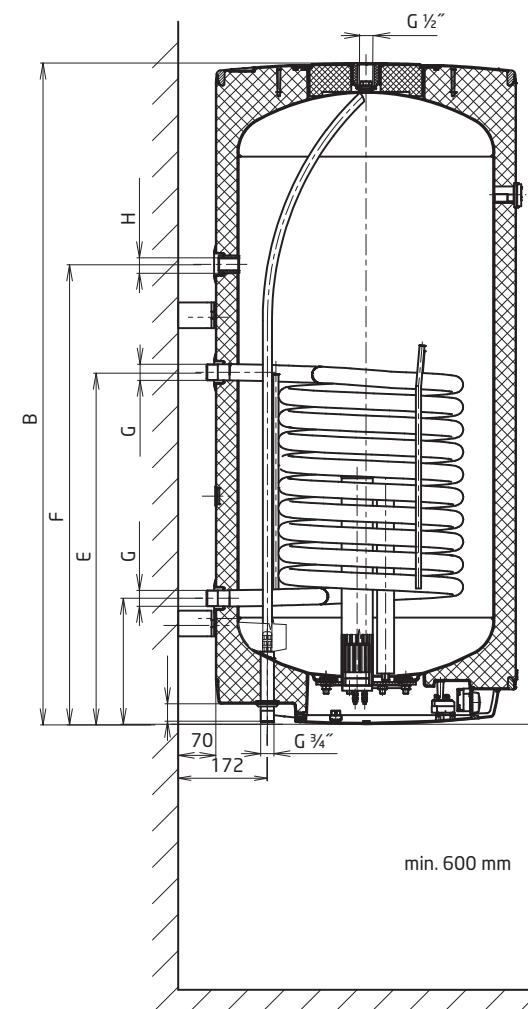
Type	OKC 180	OKC 200
Exchanger heating surface [m ²]	0.68	0.68
Rated exchanger output with a heating water temperature of 80 °C and flow of 720 l/h [kW]	17	17
Heating period with exchanger from 10 °C to 60 °C [min]	40	45
Rated exchanger output with a heating water temperature of 80 °C and flow of 310 l/h [kW]	9	9
Heating period with exchanger from 10 °C to 60 °C [min]	77	86

Type	OKC 180/1 m ²	OKC 200/1 m ² OKC 200 NTR/Z
Exchanger heating surface [m ²]	1	1
Rated exchanger output with a heating water temperature of 80 °C and flow of 720 l/h [kW]	24	24
Heating period with exchanger from 10 °C to 60 °C [min]	26	28

OKC and OKC/1 m² series heaters can be made to order with a heating element with 4000 W and 3 PE-N 400V/50Hz connection. Heating time is decreased to half the value stated in the table.



Upper hinge and lower hinge
180 l, 200 l - 4 anchor screws
Circulation - only for heaters
with a 1 m² exchanger
Check dimensions 450 and 600 mm
before drilling.



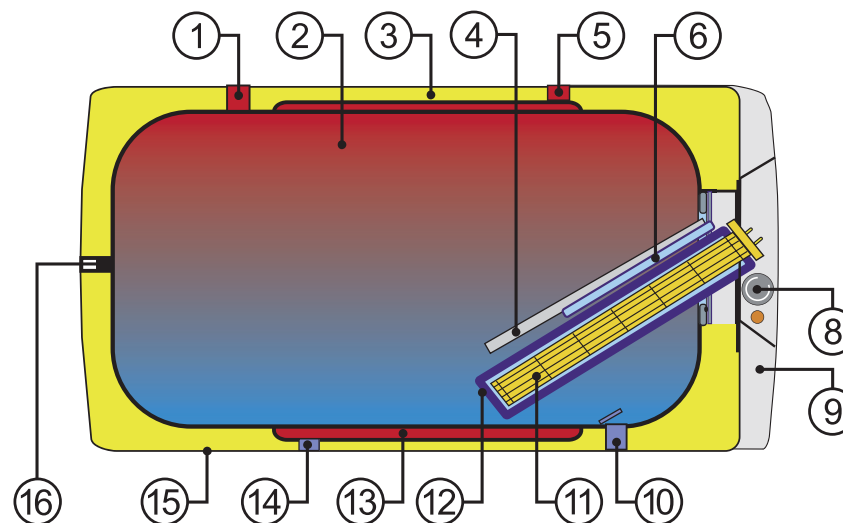
OKCV 125
OKCV 160

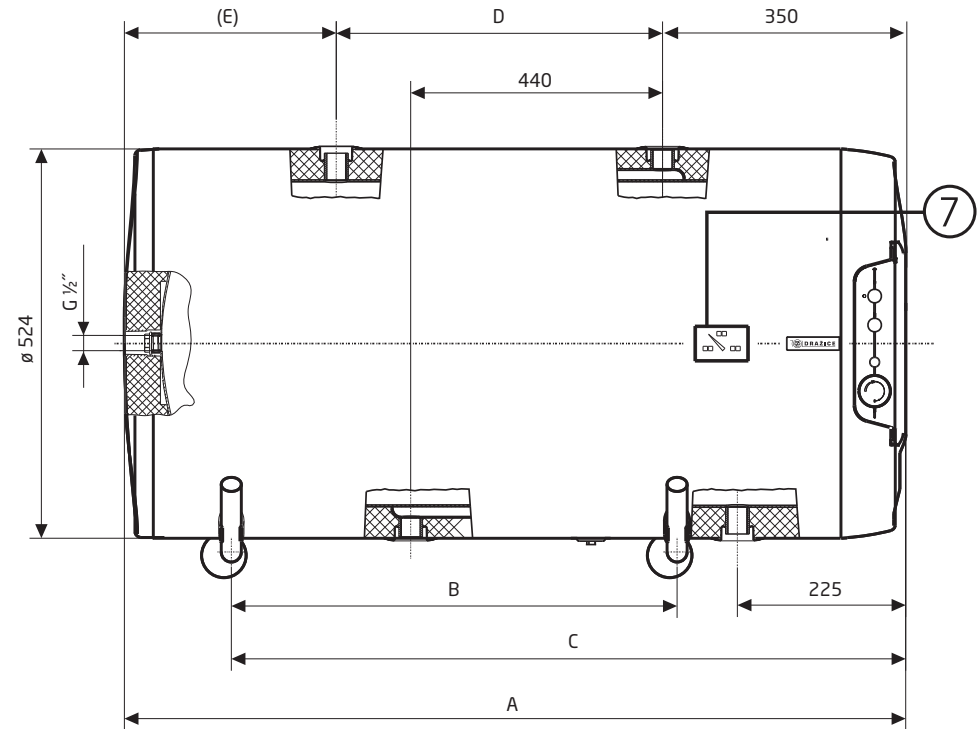
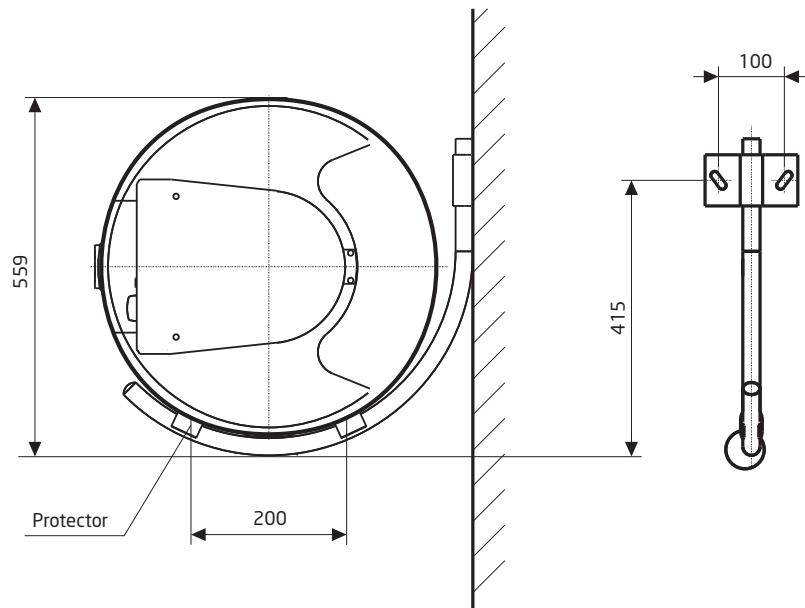
COMBINED STORAGE WATER HEATERS

Wall-mounted, horizontal - exchanger 0,7 m²

COMBINED water storage heater for horizontal mounting

- 1 Discharge pipe for hot water
- 2 Enamelled steel vessel
- 3 Polyurethane CFC-free insulation - 42 mm
- 4 Mg anode
- 5 Inlet for heating water
- 6 Operating and safety thermostat well
- 7 Thermometer
- 8 Operating thermostat with external control
Safety thermostat
- 9 Cover for electrical equipment
- 10 Filling pipe for cold water
- 11 **DRY CERAMIC HEATING ELEMENT**
- 12 Heating element well
- 13 Heat exchanger
- 14 Outlet for heating water
- 15 Water heater jacket
- 16 Circulation





Hanging brackets are not included in the delivery (ACCESSORIES).

Type	OKCV 125	OKCV 160
Volume [l]	125	152
Max. operating overpressure in the tank [MPa]	0,6	0,6
Max. operating overpressure in the exchanger [MPa]	0,4	0,4
Voltage [V/Hz]	1 PE-N~230/50	1 PE-N~230/50
Connected load [kW]	2	2
Electrical protection	IP 44	IP 44
Maximum HUW temperature [°C]	80	80
Recommended HUW temperature [°C]	60	60
Height x Diameter [mm]	1046x524	1235x524
Maximum weight of heater without water [kg]	59	68
Heating period with ele. en. from 10 °C to 60 °C [h]	3,8	5
Heat loss [kWh/24h]/energy efficiency class	1.09/C	1.39/C
Exchanger heating surface [m ²]	0,7	0,7
Rated exchanger output with a heating water temperature of 80 °C and flow of 720 l/h [kW]	16,8	16,8
Heating period with exchanger from 10 °C to 60 °C [min]	26	35
Rated exchanger output with a heating water temperature of 80 °C and flow of 310 l/h [kW]	10,3	10,3
Heating period with exchanger from 10 °C to 60 °C [min]	43	53

Type	A	B	C	D	E
OKCV 125	1046	600	908	513	184
OKCV 160	1235	700	1008	650	230

All inlets and outlets have an internal G 3/4" thread.

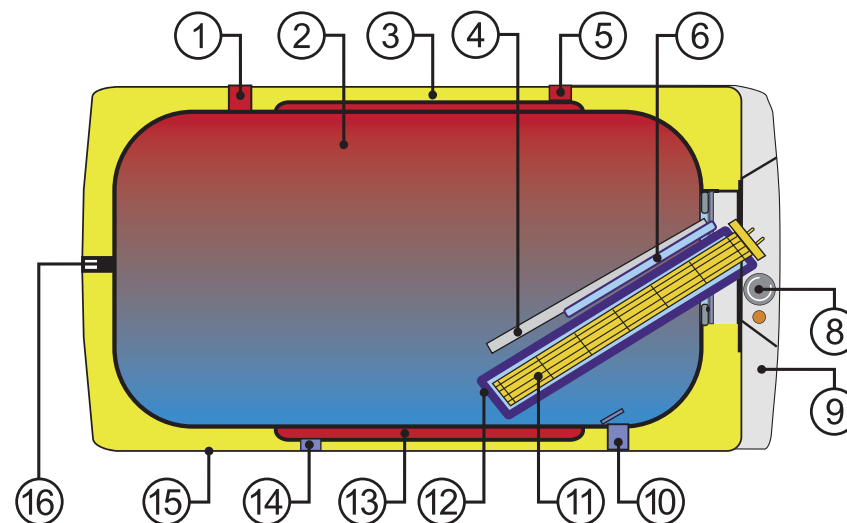
OKCV 180
OKCV 200

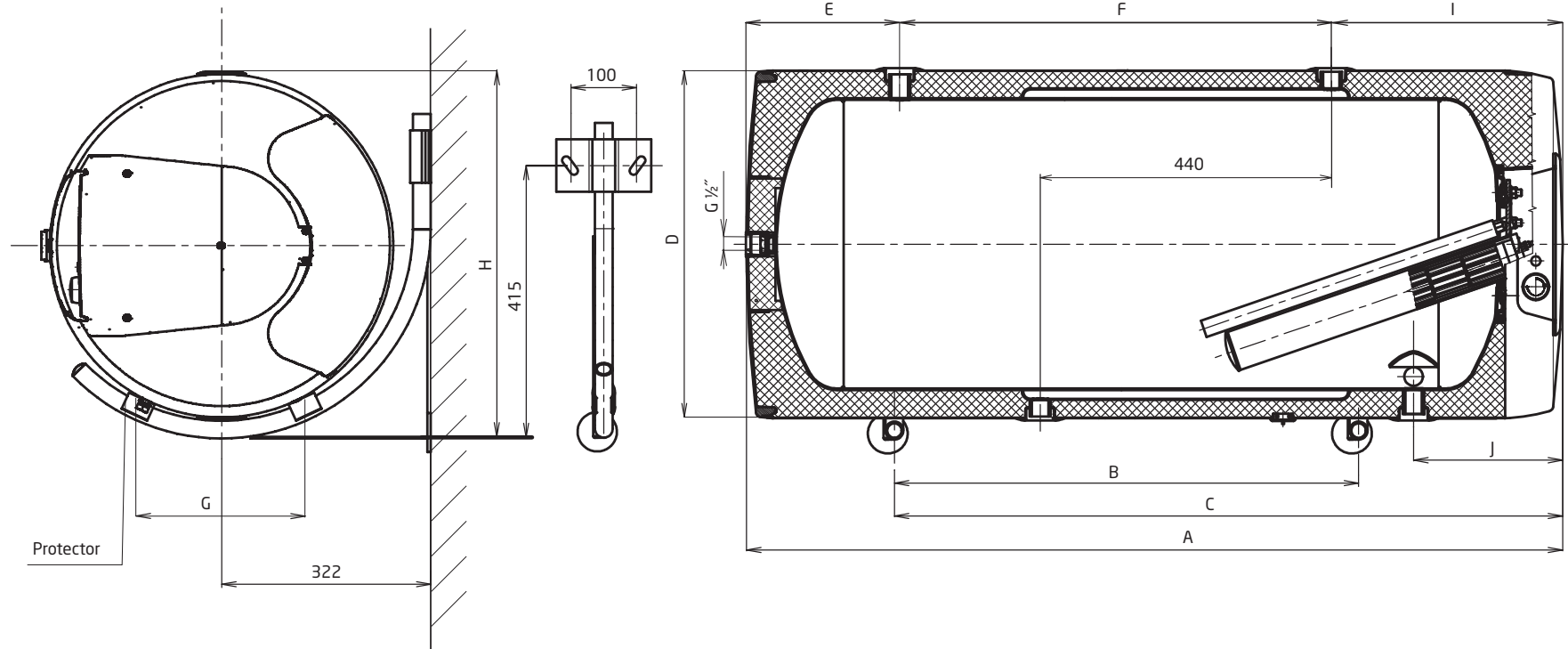
COMBINED STORAGE WATER HEATERS

Wall-mounted, horizontal - exchanger 0,75 m²

COMBINED water storage heater for horizontal mounting

- 1 Discharge pipe for hot water
- 2 Enamelled steel vessel
- 3 Polyurethane CFC-free insulation - 42 mm
- 4 Mg anode
- 5 Inlet for heating water
- 6 Operating and safety thermostat well
- 7 Thermometer
- 8 Operating thermostat with external control
Safety thermostat
- 9 Cover for electrical equipment
- 10 Filling pipe for cold water
- 11 **DRY CERAMIC HEATING ELEMENT**
- 12 Heating element well
- 13 Heat exchanger
- 14 Outlet for heating water
- 15 Water heater jacket
- 16 Circulation





Hanging brackets are not included in the delivery (ACCESSORIES).

Type	OKCV 180	OKCV 200
Volume [l]	180	200
Max. operating overpressure in the tank [MPa]	0.6	0.6
Max. operating overpressure in the exchanger [MPa]	0.4	0.4
Voltage [V/Hz]	1 PE-N~230/50	1 PE-N~230/50
Connected load [kW]	2.2	2.2
Electrical protection	IP 44	IP 44
Maximum HUW temperature [°C]	80	80
Recommended HUW temperature [°C]	60	60
Height x Diameter [mm]	1187x584	1287x584
Maximum weight of heater without water [kg]	80	84
Heating period with ele. en. from 10 °C to 60 °C [h]	5	5.5
Heat loss [kWh/24h]/energy efficiency class	1.39/C	1.4/B
Exchanger heating surface [m ²]	0.75	0.75
Rated exchanger output with a heating water temperature of 80 °C and flow of 720 l/h [kW]	18	18
Heating period with exchanger from 10 °C to 60 °C [min]	38	43
Rated exchanger output with a heating water temperature of 80 °C and flow of 310 l/h [kW]	11	11
Heating period with exchanger from 10 °C to 60 °C [min]	63	72

The OKCV 180, 200 heaters can be made to order with a heating element with 4000 W and 3 PE-N 400V/50Hz connection. Heating time is decreased to half the value stated in the table.

Type	A	B	C	D	E	F	G	H	I	J
OKCV 180	1187	600	907	584	255	570	240	616	358	252
OKCV 200	1287	600	907	584	255	670	240	616	362	252

All inlets and outlets have an internal G 3/4" thread.

OKHE 80
OKHE 100
OKHE 125
OKHE 160

ELECTRIC STORAGE WATER HEATERS

Wall-mounted, vertical

ELECTRIC storage water heater
for vertical mounting

- 1 Thermometer
- 2 Heating element container
- 3 DRY CERAMIC HEATING ELEMENT
- 4 Operating thermostat with external control
Safety thermostat
- 5 Cover for electrical equipment
- 6 Filling pipe for cold water
- 7 Adjusting screw
- 8 Operating and safety thermostat well
- 9 Discharge pipe for hot water
- 10 Mg anode
- 11 Enamelled steel vessel
- 12 Polyurethane CFC-free insulation
- 13 Water heater jacket
- 14 Another hot water outlet (circulation)

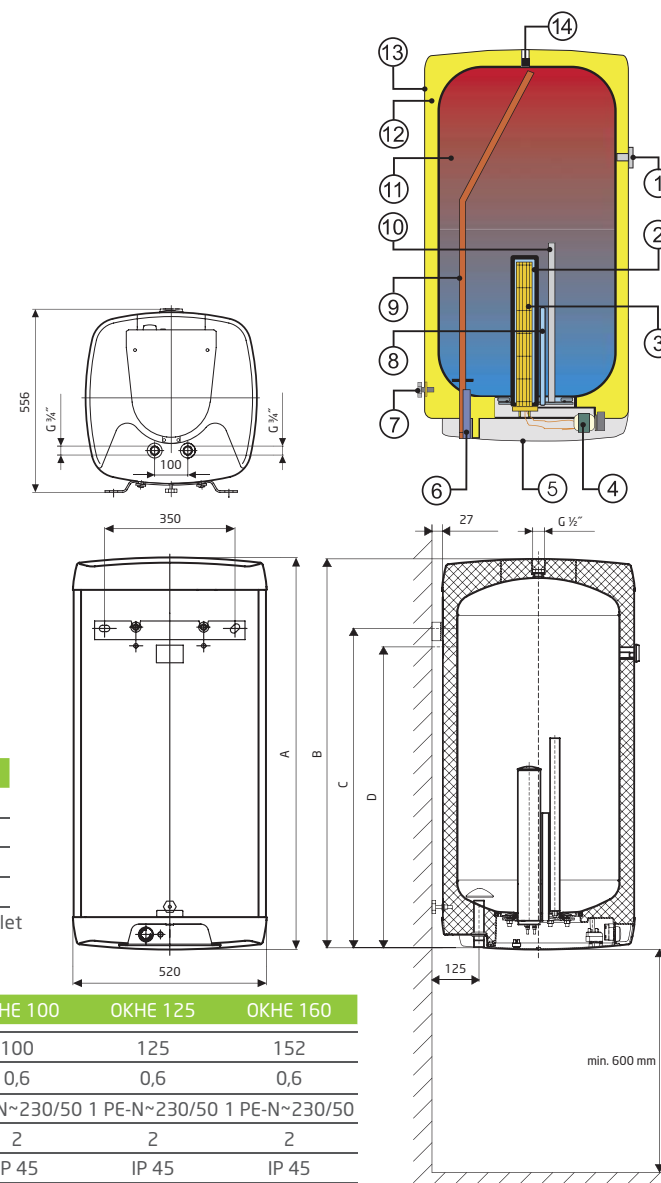
Type	OKHE 80	OKHE 100	OKHE 125	OKHE 160
A	742	887	1052	1237
B*	737	882	1047	1232
C	610	700	850	1050
D	560	650	800	1000

*Height from the upper edge of the heater to the end of the water inlet and outlet pipes.

Possible fixation in two heights (dimension C and D in table).

Type	OKHE 80	OKHE 100	OKHE 125	OKHE 160
Volume [l]	80	100	125	152
Nominal overpressure [MPa]	0,6	0,6	0,6	0,6
Voltage [V/Hz]	1 PE-N~230/50 1 PE-N~230/50 1 PE-N~230/50 1 PE-N~230/50			
Connected load [kW]	2	2	2	2
Electrical protection	IP 45	IP 45	IP 45	IP 45
Height x width [mm]	742x520	887x520	1052x520	1237x520
Maximum weight of heater without water [kg]	37	42	49	57
Heating period with ele. en. from 10 °C to 60 °C [h]	2,5	3	3,8	5
Heat loss [kWh/24h]/energy efficiency class	0,55/B	0,7/B	0,87/B	1,05/B

All types of heaters can be made to order with a heating element with 4000 W and 3PE-N 400V/50Hz connection. Heating time is decreased to half the value stated in the table.



Thanks to the increased thickness of the thermal insulation (an average of 55 mm) the heaters have very low heat loss, which puts them into energy efficiency class B.

ELECTRIC STORAGE WATER HEATERS

Stationary 0.6 MPa - heating element built in to flange 2.2 kW

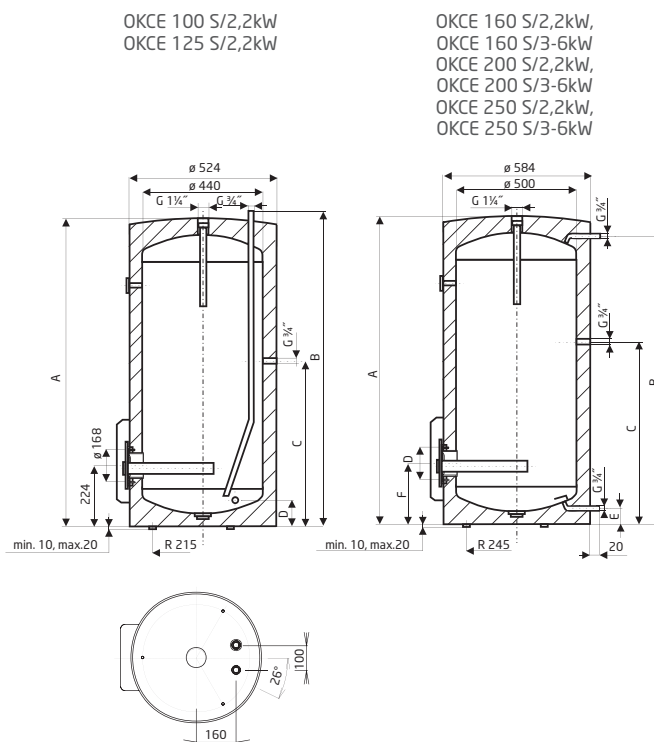
Stationary 0.6 MPa - heating element built in to flange 3-6 kW

Circulation in all types.

Type	A	B	C	D
OKCE 100 S/2,2 kW	815	865	517	116
OKCE 125 S/2,2 kW	980	1034	517	116

Type	A	B	C	D	E	F
OKCE 160 S/2,2 kW	1018	952	509	168	65	248
OKCE 200 S/2,2 kW	1328	1264	844	168	65	248
OKCE 250 S/2,2 kW	1508	1448	1048	168	68	248

Type	A	B	C	D	E	F
OKCE 160 S/3-6 kW	1018	952	509	210	65	280
OKCE 200 S/3-6 kW	1328	1264	844	210	65	280
OKCE 250 S/3-6 kW	1508	1448	1048	210	68	280



OKCE 100 S/2,2kW
OKCE 125 S/2,2kW

OKCE 160 S/2,2kW,
OKCE 160 S/3-6kW
OKCE 200 S/2,2kW,
OKCE 200 S/3-6kW
OKCE 250 S/2,2kW,
OKCE 250 S/3-6kW

OKCE 100 S/2,2 kW
OKCE 125 S/2,2 kW
OKCE 160 S/2,2 kW
OKCE 200 S/2,2 kW
OKCE 250 S/2,2 kW
OKCE 160 S/3-6 kW
OKCE 200 S/3-6 kW
OKCE 250 S/3-6 kW



Type	OKCE 100 S/ 2,2 kW	OKCE 125 S/ 2,2 kW	OKCE 160 S/ 2,2 kW / 3-6 kW	OKCE 200 S/ 2,2 kW / 3-6 kW	OKCE 250 S/ 2,2 kW / 3-6 kW
Volume [l]	100	125	160	220	250
Weight [kg]	44	52	60/66	76/82	86/92
Max. operating pressure of the storage tank [MPa]	0.6	0.6	0.6	0.6	0.6
Maximum HUW temperature [°C]	80	80	80	80	80
Heating period with ele. en. from 10 °C to 60 °C [h]	3	3.5	4.5/3.2-1.6	5.5/4-2	7/5-2.5
Voltage [V/Hz]	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50
Voltage [V/Hz]	-	-	3 PE-N~400/50	3 PE-N~400/50	3 PE-N~400/50
Electrical protection	IP 44	IP 44	IP 44	IP 44	IP 44
Heat loss [kWh/24h]/energy efficiency class	0.88/C	1.09/C	1.39/C	1.4/B	1.72/B

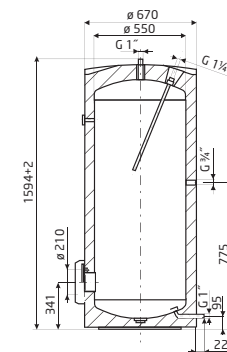
OKCE 300 S/1 MPa
 OKCE 400 S/1 MPa
 OKCE 500 S/1 MPa
 OKCE 750 S/1 MPa
 OKCE 1000 S/1 MPa



ELECTRIC STORAGE WATER HEATERS

Stationary 1 MPa

Electrical heating units of R flange series (see table on the page 38) can be installed into water heaters OKCE 300, 400, 500, 750 a 1000 S/1 MPa. Electrical heating units SE can be used for types OKCE 750, 1000 S/1 MPa and TPK flange series (see table on page 44) for OKCE 300 S/1 MPa.

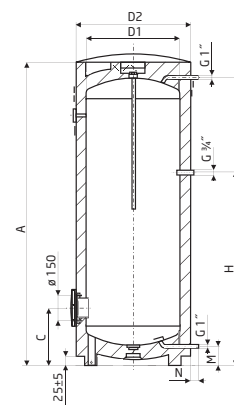


OKCE 300 S/1 MPa

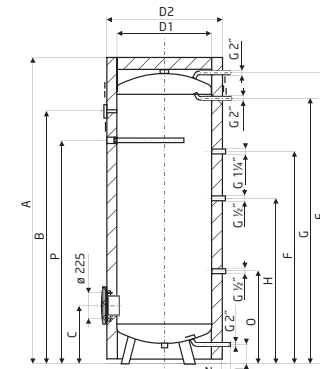
Circulation in all types.

For the OKCE 750, 1000 S/1MPa types, thermal insulation is supplied as an accessory. This must be mounted during installation.

OKCE 400 S/1 MPa
OKCE 500 S/1 MPa



OKCE 750 S/1 MPa
OKCE 1000 S/1 MPa



Type	A	C	D1	D2	E	H	M	N
OKCE 400 S/1 MPa	1591	275	597	701	1523	1111	55	25
OKCE 500 S/1 MPa	1921	275	597	701	1853	1264	55	25

Type	A	B	C	D1	D2	E	F	G	H	M	N	O	P
OKCE 750 S/1 MPa	1998	1643	378	750	910	1908	1143	1638	943	88	45	288	1473
OKCE 1000 S/1 MPa	2025	1671	386	850	1010	1911	1154	1646	951	92	45	296	1511

Type	OKCE 300 S/1 MPa	OKCE 400 S/1 MPa	OKCE 500 S/1 MPa	OKCE 750 S/1 MPa	OKCE 1000 S/1 MPa
Volume [l]	300	400	500	750	1000
Weight [kg]	90	103	121	162	211
Operating pressure of the storage tank [MPa]	1	1	1	1	1
Maximum HUW temperature [°C]	80	80	80	80	80
Heating period with ele. en. from 10 °C to 60 °C [h]	According to connected load of built-in heating unit from series R,SE				
Heat loss [kWh/24h]/energy efficiency class	1.86/B	2/B	2.3/A	3.6/A	3.9/A

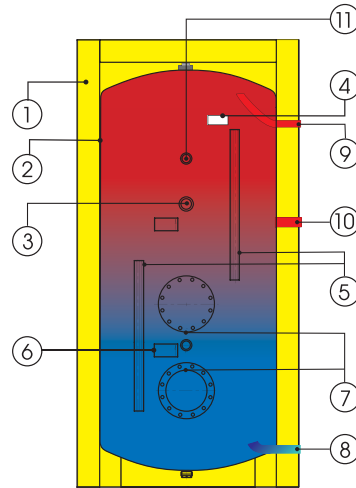
Can be used as accumulation tank for hot water.

ELECTRIC STORAGE WATER HEATERS

Stationary 1 MPa

Stationary electric water heaters OKCE S/1 MPa

- 1 Insulation
- 2 Enamelled vessel
- 3 Inlet for electric additional heating unit 800 litres - socket G1½" - TJ G 6/4"
1500, 2000 litres outlet G2" - reduction for TJ G 6/4" needed
- 4 Temperature sensor
- 5 Thermowells
- 6 Mg anode in 800 l only
- 7 Inlet for electrical heating unit TPK
Revision inlet
- 8 Cold water input
- 9 Hot water output
- 10 Circulation
- 11 Anode



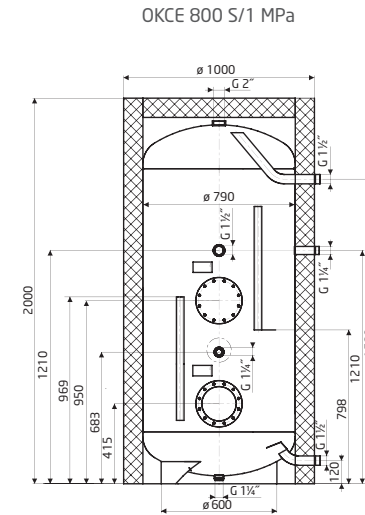
The electrical heating unit of flange series R, SE and TPK is not a part of delivery (accessory)

Type	A	B	C	D	d	E	F	G	H	I	J
OKCE 1500 S/1 MPa	2240	1217	1825	1200	1000	437	837	1167	1354	1494	1825
OKCE 2000 S/1 MPa	2500	1252	1997	1300	1100	447	847	1202	1472	1612	1997

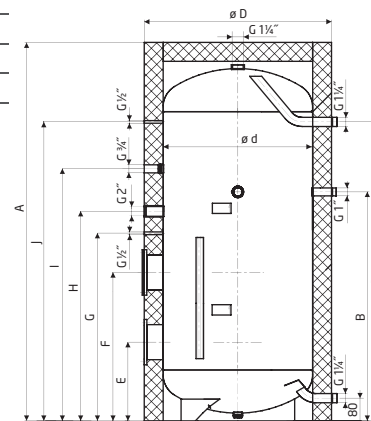
Electrical heating units of flange series TPK 210/12 can be used and with reduction flange 210/150 also R series

Type	OKCE 800 S/1 MPa	OKCE 1500 S/1 MPa	OKCE 2000 S/1 MPa
Volume (l)	800	1500	2000
Weight (kg)	244	360	420
Operating pressure in tank (MPa)	1	1	1
Maximum HUW temperature (°C)	95	95	95
Heating period with ele. en. from 10 °C to 60 °C [h]	According to connected load of built-in heating unit from series R,SE		
Heat loss [kWh/24h]	4.3	6.9	7.4

OKCE 800 S/1 MPa
OKCE 1500 S/1 MPa
OKCE 2000 S/1 MPa



OKCE 1500 S/1 MPa
OKCE 2000 S/1 MPa



OKCE 100 NTR/2,2 kW
 OKCE 125 NTR/2,2 kW
 OKCE 160 NTR/2,2 kW
 OKCE 200 NTR/2,2 kW
 OKCE 250 NTR/2,2 kW
 OKCE 200 NTRR/2,2 kW
 OKCE 250 NTRR/2,2 kW
 OKC 100 NTR/BP
 OKC 125 NTR/BP
 OKC 160 NTR/BP
 OKC 200 NTR/BP
 OKC 250 NTR/BP
 OKC 200 NTRR/BP
 OKC 250 NTRR/BP

INDIRECT STORAGE WATER HEATERS

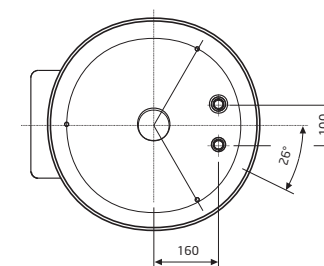
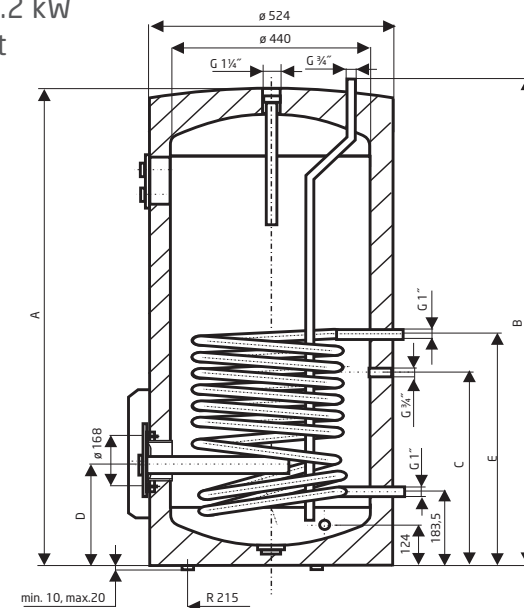
Stationary 0.6 MPa - Heating element built - in to flange 2.2 kW
 Stationary 0.6 MPa - With side flange - no heating element

Type	A	B	C	D	E
OKCE 100 NTR/2,2 kW OKC 100 NTR/BP	815	869	517	229	617
OKCE 125 NTR/2,2 kW OKC 125 NTR/BP	980	1040	623	246	753

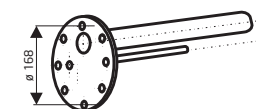
Type	OKCE 100 NTR/2,2 kW OKC 100 NTR/BP	OKCE 125 NTR/2,2 kW OKC 125 NTR/BP
Volume [l]	95	120
Maximum weight of heater without water [kg]	63/59	77/72
Max. operating overpressure in the tank [MPa]	0,6	0,6
Max. operating overpressure in the exchanger [MPa]	1	1
Max. temperature heating water [°C]	110	110
Maximum HUW temperature [°C]	80	80
Exchanger heating surface [m ²]	1	1,45
Performance of the lower/upper exchanger [kW]	24	32
Continuous HUW ¹ power*/LE/UE [l/hour]	610	990
Heating period with exchanger from 10 °C to 60 °C [min]	14	14
Heating period with ele. en. from 10 °C to 60 °C [h] *	3	3,5
Connected load [kW] *	2,2	2,2
Voltage [V/Hz]	1 PE-N~230/50	1 PE-N~230/50
Voltage of safety elements [V/Hz]	1 PE-N~230/50	1 PE-N~230/50
Electrical protection	IP 44	IP 44
Heat loss [kWh/24h]/energy efficiency class	0,9/C	1,1/C

¹ HUW hot water 45°C • LE - lower exchanger, UE - upper exchanger

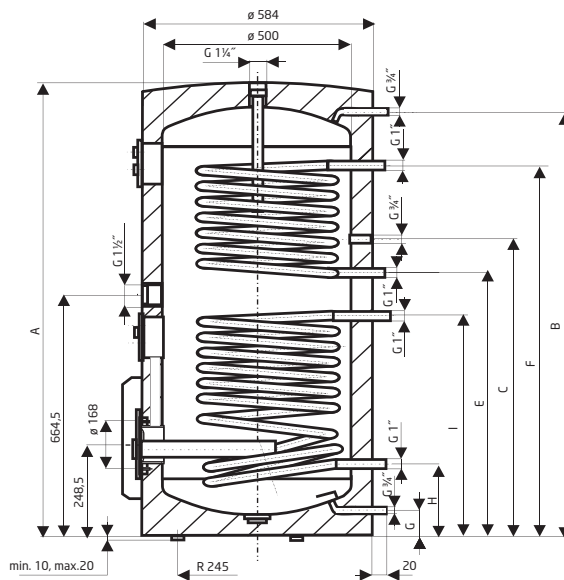
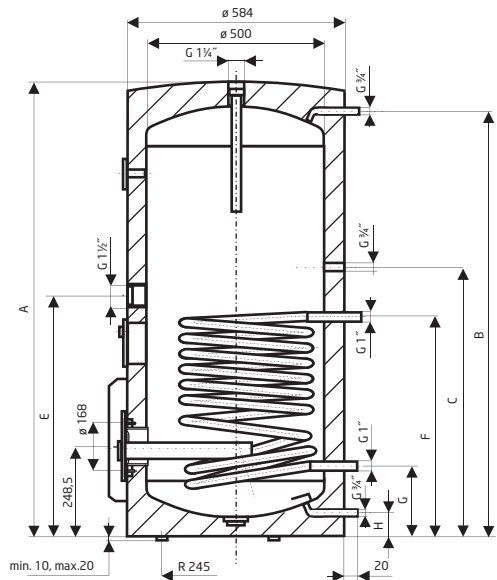
* These lines do not apply to NTR/BP types, which do not have a heating element.



Flange lid 2,2 kW



8x M10



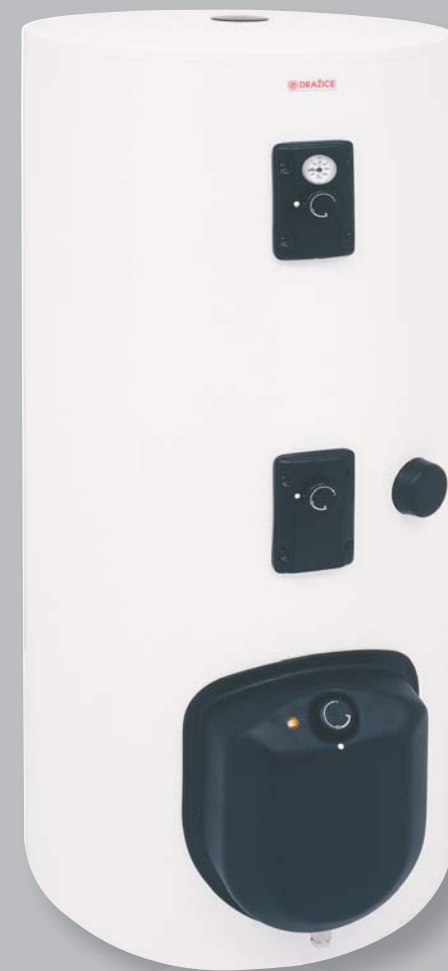
Type	A	B	C	E	F	G	H
OKCE 160 NTR/2,2 kW OKC 160 NTR/BP	1018	952	635	-	765	195	65
OKCE 200 NTR/2,2 kW OKC 200 NTR/BP	1328	1265	935	796	765	195	65
OKCE 250 NTR/2,2 kW OKC 250 NTR/BP	1508	1445	1045	796	465	195	65

Type	A	B	C	E	F	G	H	I
OKCE 200 NTRR/2,2 kW OKC 200 NTRR/BP	1328	1265	845	695	1135	65	195	635
OKCE 250 NTRR/2,2 kW OKC 250 NTRR/BP	1508	1448	1048	878	1318	68	198	638

Type	OKCE 160 NTR/2,2 kW OKC 160 NTR/BP	OKCE 200 NTR/2,2 kW OKC 200 NTR/BP	OKCE 200 NTRR/2,2 kW OKC 200 NTRR/BP	OKCE 250 NTR/2,2 kW OKC 250 NTR/BP	OKCE 250 NTRR/2,2 kW OKC 250 NTRR/BP
Volume [l]	155	210	195	250	245
Maximum weight of heater without water [kg]	86/82	104/97	114/111	113/106	122/118
Max. operating overpressure in the tank [MPa]	0.6	0.6	0.6	0.6	0.6
Max. operating overpressure in the exchanger [MPa]	1	1	1	1	1
Max. temperature heating water [°C]	110	110	110	110	110
Maximum HUW temperature [°C]	80	80	80	80	80
Heating surface of the lower exchanger [m²]	1.45	1.45	1	1.45	1
Heating surface of the upper exchanger [m²]	-	-	1	-	1
Performance of the lower/upper exchange [kW]	32	32	2x24	32	2x24
Continuous HUW1 power* ¹ /LE/UE [l/hour]	990	990	670/650 **1080	990	670/650 **1080
Heating period with exchanger from 10 °C to 60 °C [min]	17	22	28/16	28	36/20
Heating period with ele. en. from 10 °C to 60 °C [h] *	4.5	5.5	5.5	6.5	6.5
Connected load [kW] *	2.2	2.2	2.2	2.2	2.2
Voltage [V/Hz] *	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50
Voltage of safety elements [V/Hz]	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50
Electrical protection	IP 44	IP 44	IP 44	IP 44	IP 44
Heat loss [kWh/24h]/energy efficiency class	1.4/C	1.4/B	1.4/B	1.73/B	1.73/B

¹ HUW hot water 45°C • LE - lower exchanger, UE - upper exchanger

* These lines do not apply to NTR/BP types, which do not have a heating element. **Exchangers connected in series.

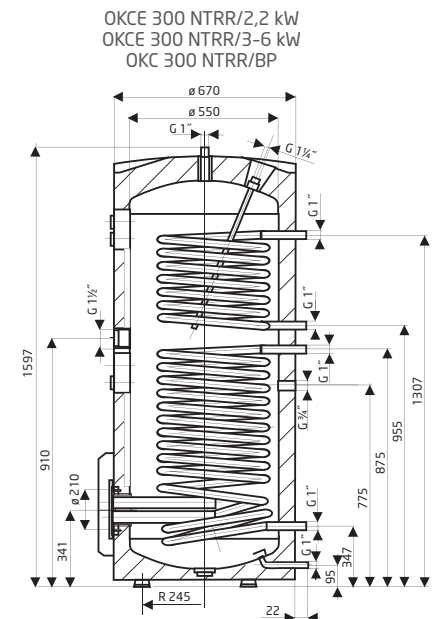
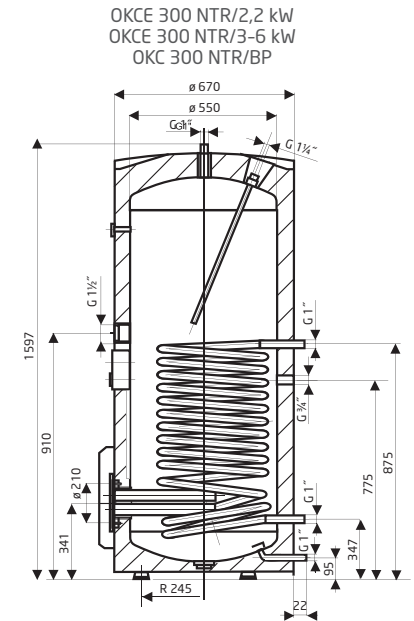
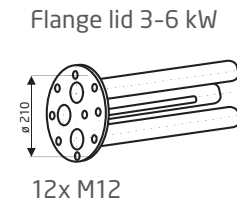
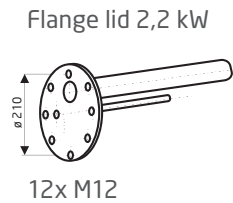


OKCE 300 NTR/2,2 kW
 OKCE 300 NTRR/2,2 kW
 OKCE 300 NTR/3-6 kW
 OKCE 300 NTRR/3-6 kW
 OKC 300 NTR/BP
 OKC 300 NTRR/BP



INDIRECT STORAGE WATER HEATERS

Stationary 0.6 MPa - Heating element built-in to flange 2.2 kW
 Stationary 0.6 MPa - Heating element built-in to flange 3-6 kW
 Stationary 0.6 MPa - With side flange - no heating element



Type	OKCE 300 NTR/2,2 kW OKCE 300 NTR/3-6 kW OKC 300 NTR/BP	OKCE 300 NTRR/2,2 kW OKCE 300 NTRR/3-6 kW OKC 300 NTRR/BP
Volume [l]	300	295
Max. weight of heater without water [kg]	116/122/111	132/138/127
Max. operating overpressure in the tank [MPa]	0.6	0.6
Max. operating overpressure in the exchanger [MPa]	1	1
Max. temperature heating water [°C]	110	110
Maximum HUW temperature [°C]	80	80
Heating surface of the lower exchanger [m ²]	1.5	1.5
Heating surface of the upper exchanger [m ²]	-	1
Performance of the lower/upper exchanger [kW]	35	35/27
Continuous HUW1 power*/LE/UE [l/hour]	1100	1100/760
Heating period with exchanger from 10 °C to 60 °C [min]	24	24/16
Heating period with ele. en. from 10 °C to 60 °C [h] *	8.5/6-3	8.5/6-3
Connected load [kW] *	2.2/3-6	2.2/3-6
Voltage [V/Hz]	1 PE-N~230/50 3 PE-N~400/50	1 PE-N~230/50 3 PE-N~400/50
Voltage of control elements - NTR/BP [V/Hz]	1 PE-N~230/50	1 PE-N~230/50
Electrical protection	IP 44	IP 44
Heat loss [kWh/24h]/energy efficiency class	1.86/B	1.86/B

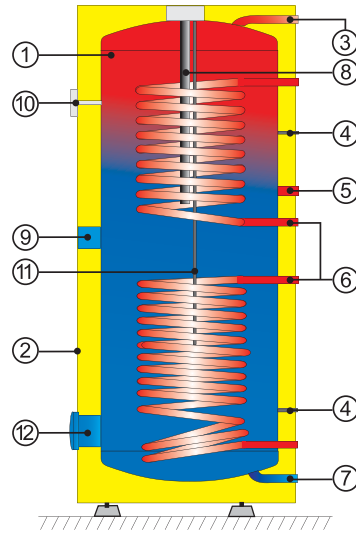
¹ HUW hot water 45°C • LE - lower exchanger, UE - upper exchanger

* These lines do not apply to NTR/BP types, which do not have a heating element.

SOLAR WATER HEATERS

Stationary 1 MPa

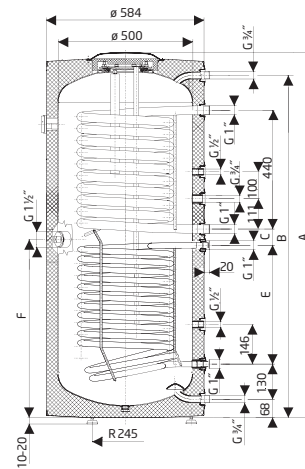
- 1 Enameled steel vessel
- 2 Water heater jacket
- 3 Outlet for HUW
- 4 Thermowells
- 5 Circulation
- 6 Tubular exchanger
- 7 Inlet for cold water
- 8 Mg anode
- 9 Inlet for additional heating element
- 10 Thermometer
- 11 Vertical thermowell for temperature sensor
- only in 200 and 250 litres
- 12 Cleaning and inspection inlet
- only in 300 litres



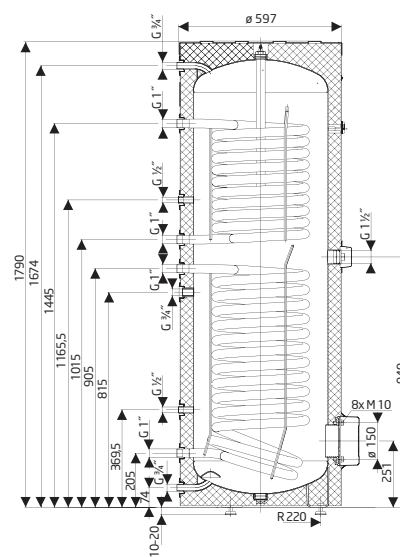
Type	OKC 200 NTRR/SOL	OKC 250 NTRR/SOL	OKC 300 NTRR/SOL
Volume [l]	200	245	275
Diameter [mm]	584	584	597
Height [mm]	1352	1532	1790
Weight [kg]	108	120	125
Max. operational overpressure in the tank [MPa]	1	1	1
Max. operational overpressure in the exchanger [MPa]	1	1	1
Max. temperature heating water [°C]	110	110	110
Maximum HUW* temperature [°C]	95	95	95
Heating surface of the lower/upper exchanger [m ²]	1/1	1,45/1	1,5/1
Volume lower/upper exchanger [l]	7/7	9,5/7	10,5/7
Rated lower/upper exchanger output with temperature gradient 80/60 °C [kW]	24/24	32/24	35/24
Continuous HUW* power lower/upper exchanger [l/h]	670/670	990/670	1100/670
Heating period for HUW with a lower/upper exchanger [min]	28/16	28/16	24/16
Rated lower/upper exchanger output with temperature gradient 60/50 °C [kW]	13/13	20/13	21/13
Continuous HUW power lower/upper exchanger [l/h]	330/330	490/330	517/330
Heating period for HUW with a lower/upper exchanger [min]	38/19	44/19	35/19
Heat loss [kWh/24 h]	1,4	1,73	1,9

*HUW - hot water 45 °C

OKC 200 NTRR/SOL
OKC 250 NTRR/SOL



OKC 300 NTRR/SOL



Type	OKC 200 NTRR/SOL	OKC 250 NTRR/SOL
A	1352	1532
B	1268	1448
C	60	110
E	440	570
F	660	830

OKC 200 NTRR/SOL
OKC 250 NTRR/SOL
OKC 300 NTRR/SOL



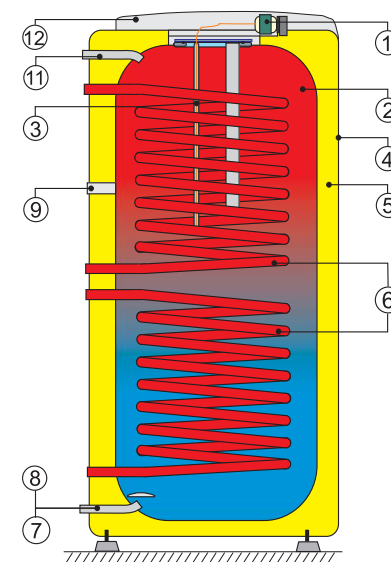
OKC 100 NTR
 OKC 125 NTR
 OKC 160 NTR
 OKC 200 NTR
 OKC 250 NTR
 OKC 200 NTRR
 OKC 250 NTRR
 OKH 100 NTR
 OKH 125 NTR
 OKH 160 NTR

INDIRECT STORAGE WATER HEATERS

Stationary 0.6 MPa - Side exchanger outlets, no side flange

INDIRECT storage water heater for vertical mounting

- 1 Thermometer
- Operating thermostat with external control
- 2 Enamelled steel vessel
- 3 Holder for operating thermostat
- 4 Water heater jacket
- 5 Polyurethane CFC-free insulation - 42 mm
- 6 Heat exchanger
- 7 Discharge inlet
- 8 Filling pipe for cold water
- 9 Circulation
- 10 Mg anode
- 11 Discharge pipe for hot water
- 12 Cover for electrical equipment

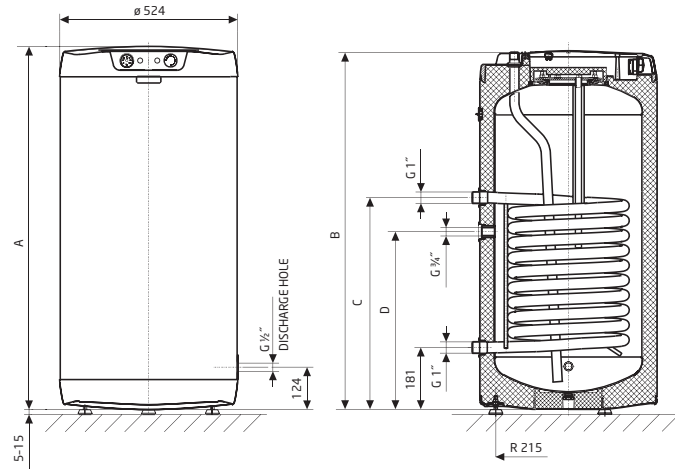
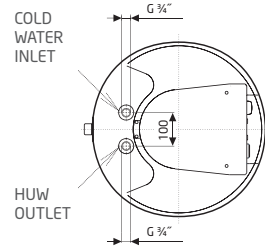


Type	OKC 100 NTR OKH 100 NTR	OKC 125 NTR OKH 125 NTR	OKC 160 NTR OKH 160 NTR	OKC 200 NTR	OKC 200 NTRR	OKC 250 NTR	OKC 250 NTRR
Volume [l]	95	115	145	210	200	250	245
Max. operating overpressure in the tank [MPa]	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Max. operating overpressure in the exchanger [MPa]	1	1	1	1	1	1	1
Voltage of control elements [V/Hz]	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50
Electrical protection	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44
Max. HUW* temperature [°C]	80	80	80	80	80	80	80
Recommended HUW* temperature [°C]	60	60	60	60	60	60	60
Height x diameter/width [mm]	881x524	1046x524	1235x524	1400x584	1400x584	1580x584	1580x584
Max. weight of heater without water [kg]	57	69	77	95	108	107	118
Exchanger heating surface [m ²]	1	1.45	1.45	1.45	2x1	1.45	2x1
Rated exchanger output with a heating water temperature of 80 °C and flow of 720 l/h [kW]	24	32	32	32	2x 24	32	2x 24
Heating period with exchanger from 10 °C to 60 °C [min]	14	14	17	22	28/16	28	36/20
Heat loss [kWh/24 h]	0.9/0.7	1.1/0.87	1.39/1.05	1.4	1.4	1.73	1.73

* HUW hot water 45°C

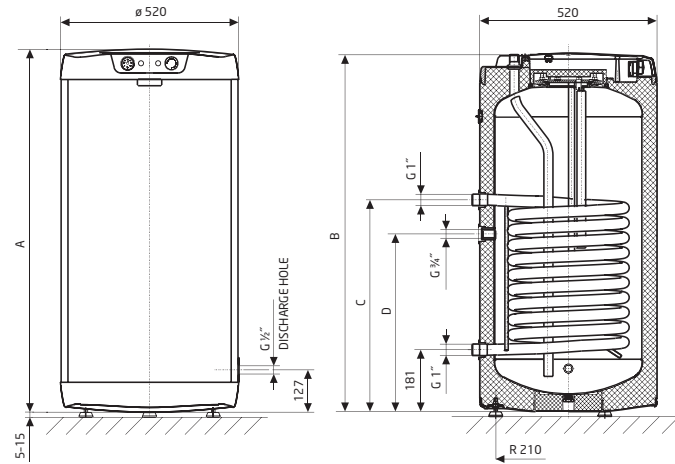
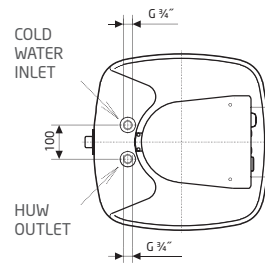
Type	A	B*	C	D
OKC 100 NTR	881	876	621	521
OKC 125 NTR	1046	1041	751	621
OKC 160 NTR	1235	1230	751	881

* Height from the lower edge of the heater to the end of the water inlet and outlet pipes.

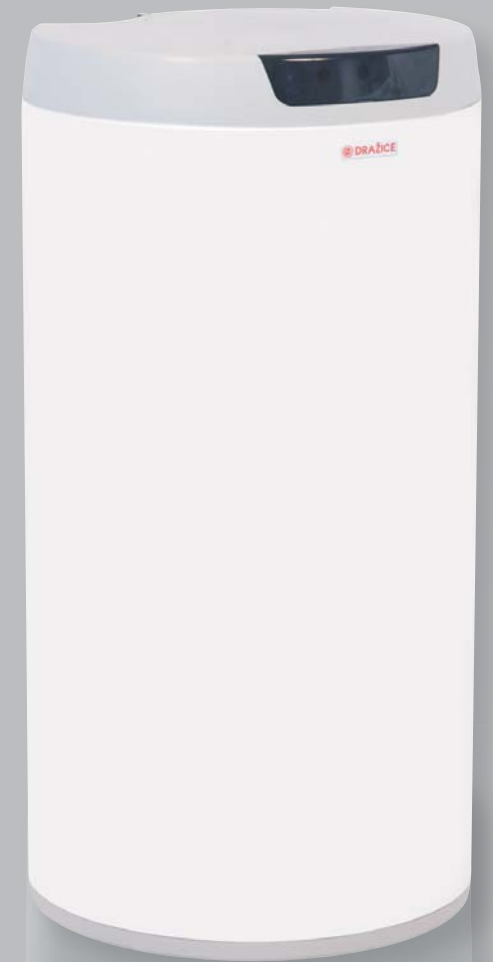
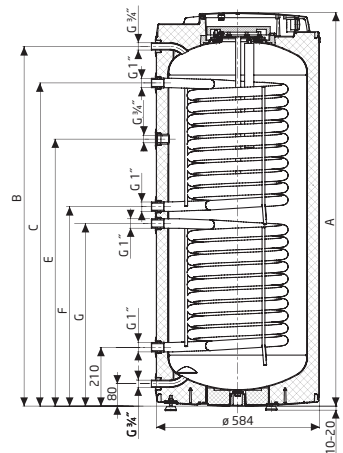


Type	A	B*	C	D
OKH 100 NTR	887	882	651	521
OKH 125 NTR	1052	1047	751	621
OKH 160 NTR	1237	1232	751	881

* Height from the lower edge of the heater to the end of the water inlet and outlet pipes.



Type	A	B*	C	E	F	G
OKC 200 NTR	1400	1280	-	950	-	780
OKC 200 NTRR	1400	1280	1150	950	710	650
OKC 250 NTR	1580	1460	-	1060	-	780
OKC 250 NTRR	1580	1460	1330	1060	890	650



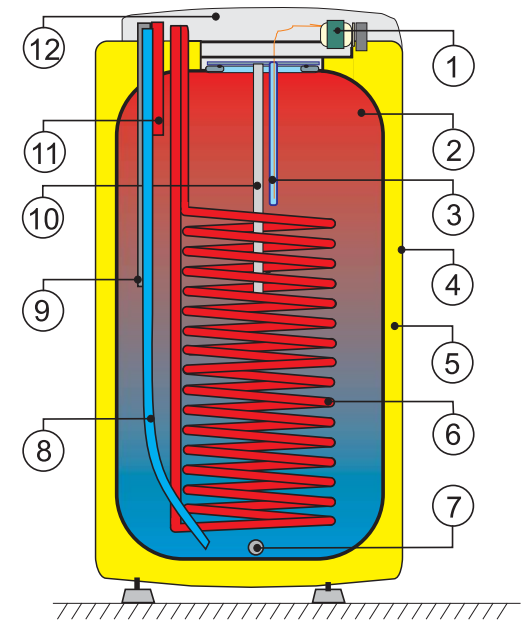
OKC 100 NTR/HV
 OKC 125 NTR/HV
 OKC 160 NTR/HV
 OKH 100 NTR/HV
 OKH 125 NTR/HV

INDIRECT STORAGE WATER HEATERS

Stationary 0.6 MPa - Upper outlets, no side flange

INDIRECT storage water heater for vertical mounting

- 1 Thermometer
- Operating thermostat with external control
- 2 Enameled steel vessel
- 3 Holder for operating thermostat
- 4 Water heater jacket
- 5 Polyurethane CFC-free insulation - 42 mm
- 6 Heat exchanger
- 7 Discharge inlet
- 8 Cold water filling pipe
- 9 Circulation
- 10 Mg anode
- 11 Hot water discharge pipe
- 12 Cover for electrical equipment

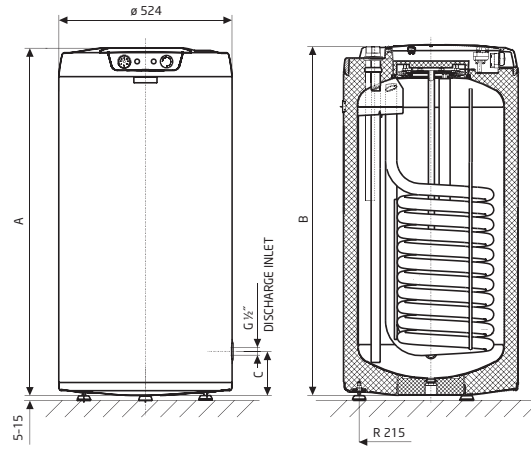
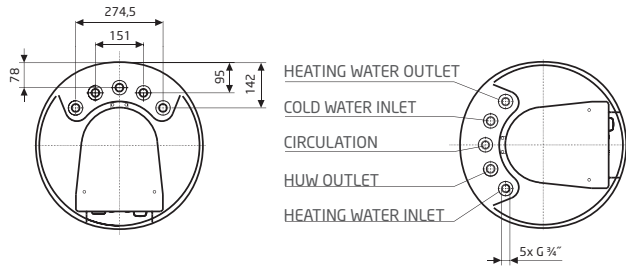


Type	OKC 100 NTR/HV OKH 100 NTR/HV	OKC 125 NTR/HV OKH 125 NTR/HV	OKC 160 NTR/HV
Volume [l]	95	120	155
Max. operating overpressure in the tank [MPa]	0,6	0,6	0,6
Max. operating overpressure in the exchanger [MPa]	1	1	1
Voltage of control elements [V/Hz]	1 PE-N~230/50	1 PE-N~230/50	1 PE-N~230/50
Electrical protection	IP 44	IP 44	IP 44
Max. HUW* temper [°C]	80	80	80
Recommended HUW* temperature [°C]	60	60	60
Height x diameter/width [mm]	881x524/520	1046x524/520	1087x584
Max. weight of heater without water [kg]	56	70	80
Exchanger heating surface [m ²]	1	1,45	1,45
Rated exchanger output with a heating water temperature of 80 °C and flow of 720 l/h [kW]	24	32	32
Heating period with exchanger from 10 °C to 60 °C [min]	14	14	17
Heat loss [kWh/24 h]	0,9/0,7	1,1/0,87	1,39

* HUW hot water 45°C

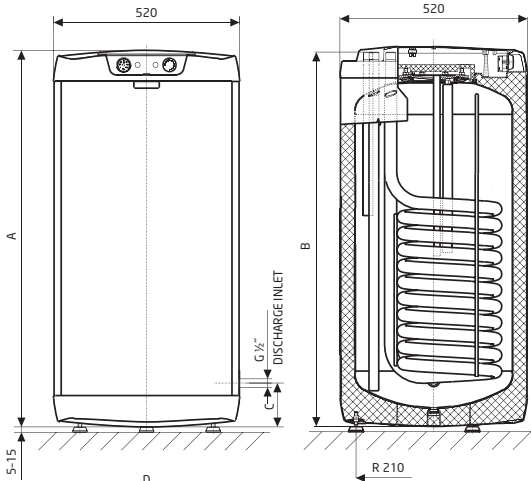
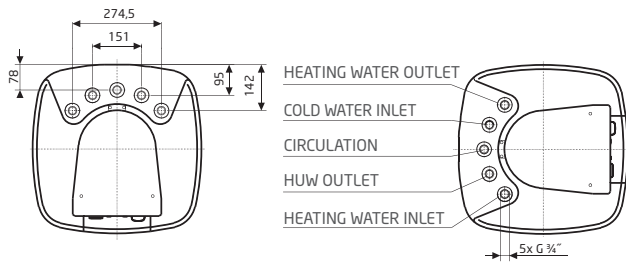
Type	A	B*	C
OKC 100 NTR/HV	881	876	124
OKC 125 NTR/HV	1046	1041	124

* Height from the lower edge of the heater to the end of the water inlet and outlet pipes.

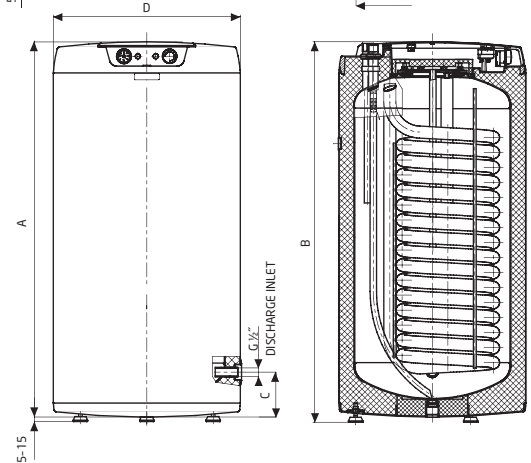
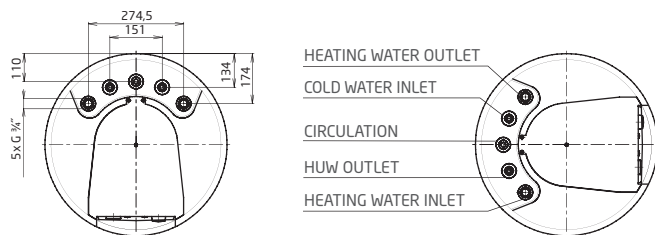


Type	A	B*	C
OKH 100 NTR/HV	887	882	127
OKH 125 NTR/HV	1052	1047	127

* Height from the lower edge of the heater to the end of the water inlet and outlet pipes.



Type	A	B*	C	D	E	F	G
OKC 160 NTR/HV	1087	1082	146	584	134	174	110



OKC 300 NTR/1 MPa
 OKC 400 NTR/1 MPa
 OKC 500 NTR/1 MPa
 OKC 750 NTR/1 MPa
 OKC 1000 NTR/1 MPa

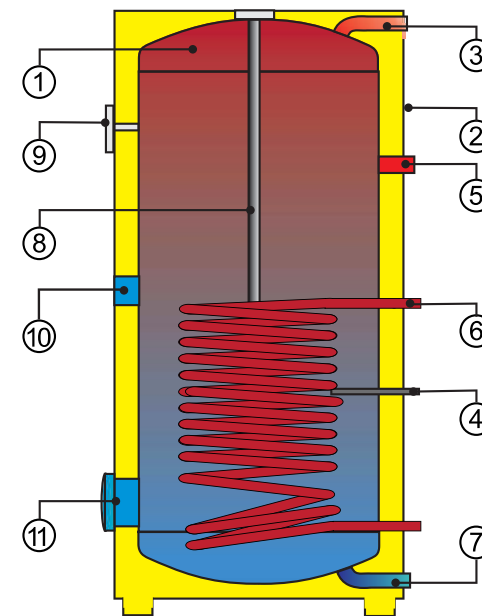


INDIRECT STORAGE WATER HEATERS

Stationary 1 MPa

INDIRECT stationary water heater **OKC NTR**

- 1 Enamelled steel vessel
- 2 Water heater jacket
- 3 Outlet for HUW
- 4 Thermowells
- 5 Circulation
- 6 Tubular exchanger
- 7 Inlet for cold water
- 8 Mg anode
- 9 Thermometer
- 10 Inlet for heating element
Cleaning and inspection hole
- 11 Inlet for additional heating element

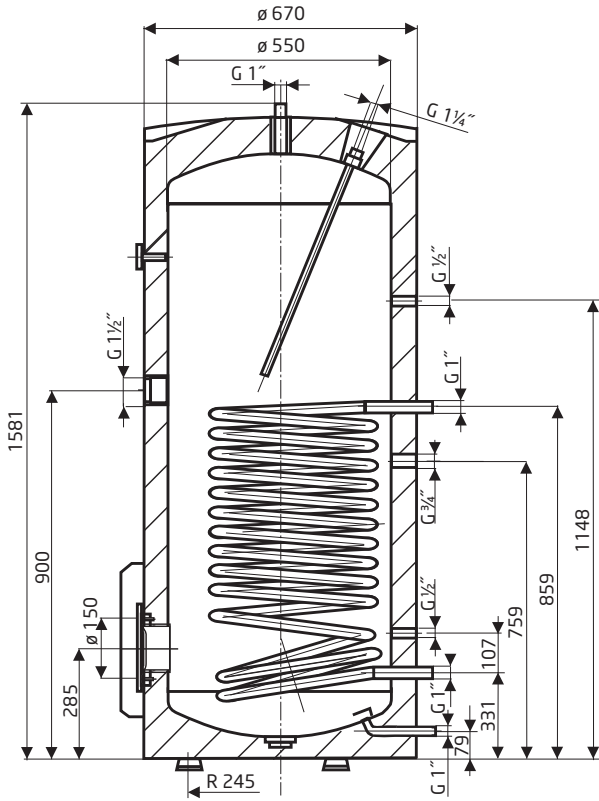


Type	OKC 300 NTR/ 1 MPa	OKC 400 NTR/ 1 MPa	OKC 500 NTR/ 1 MPa	OKC 750 NTR/ 1 MPa	OKC 1000 NTR/ 1 MPa
Volume [l]	300	385	485	750	975
Diameter [mm]	670	700	700	910	1010
Weight [kg]	108	123	143	210	274
Max. operating overpressure in the tank [MPa]	1	1	1	1	1
Max. operating overpressure in the exchanger [MPa]	1,6	1,6	1,6	1,6	1,6
Max. temperature heating water [°C]	110	110	110	110	110
Max. HUW* temperature [°C]	95	95	95	95	95
Exchanger heating surface [m²]	1,5	1,8	1,9	3,7	4,5
Rated exchanger output with temperature gradient 80/60 °C [kW]	35	57	65	99	110
Performance number according to DIN 4708 [NL]	8	15,2	19,1	30,5	38,8
Continuous HUW* power [l/hour]	1100	1395	1568	2426	2695
Heating period for HUW* with an exchanger [min]	24	20	23	24	26
Heat loss [kWh/24 h]	1,86	2	2,3	3,6	3,9

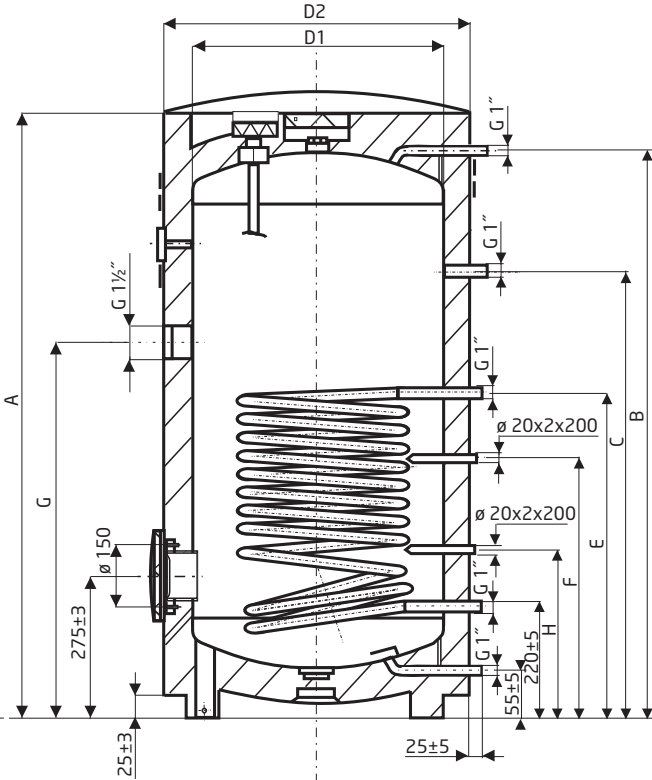
* HUW hot water 45°C

Circulation in all types.

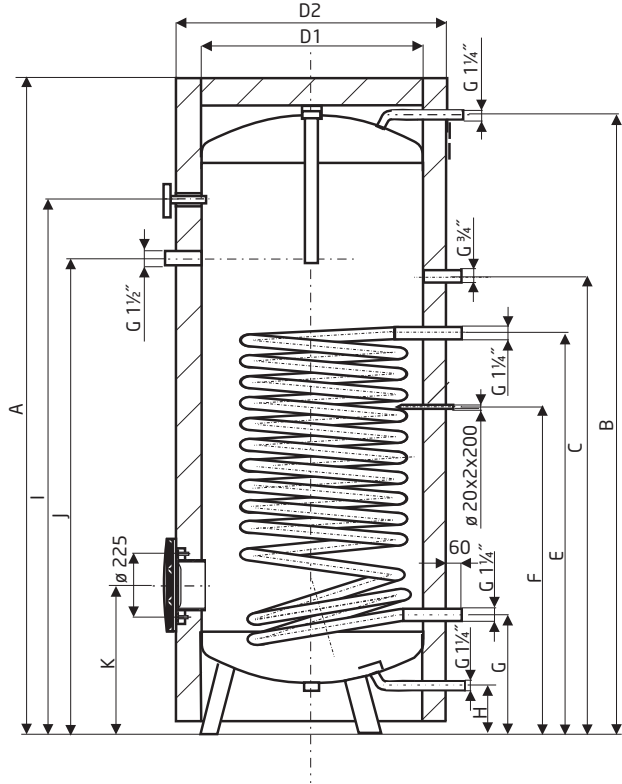
For the OKC 750, 1000 NTR/1MPa types, thermal insulation is supplied as an accessory. This must be mounted during installation. Built-in electric heating units from the R flange series can be installed into types OKC 300, 400, 500 NTR/1MPa, flange series SE into types OKC 750, 1000 NTR/1MPa and if a 225/150 crossover flange is used, it is also possible to use electric heating units from the R flange series.



OKC 300 NTR/1 MPa



OKC 400 NTR/1 MPa
OKC 500 NTR/1 MPa



OKC 750 NTR/1 MPa
OKC 1000 NTR/1 MPa

Type	A	B	C	D1	D2	E	F	G	H
OKC 400 NTR/1 MPa	1591	1523	1111	597	700	909	684	957	389
OKC 500 NTR/1 MPa	1921	1853	1264	597	700	965	695	1040	388

Type	A	B	C	D1	D2	E	F	G	H	I	J	K
OKC 750 NTR/1 MPa	1998	1887	1417	750	910	1314	1079	288	99	1643	1005	378
OKC 1000 NTR/1 MPa	2025	1905	1489	850	1010	1324	1087	295	103	1672	1025	387

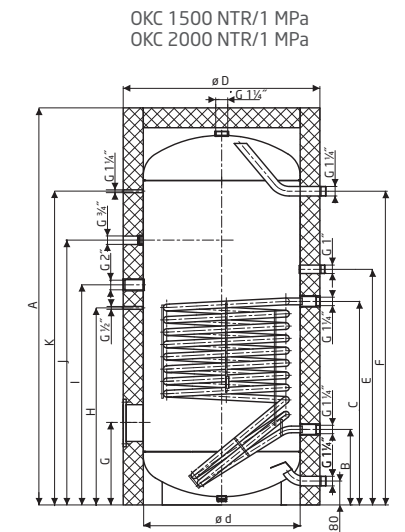
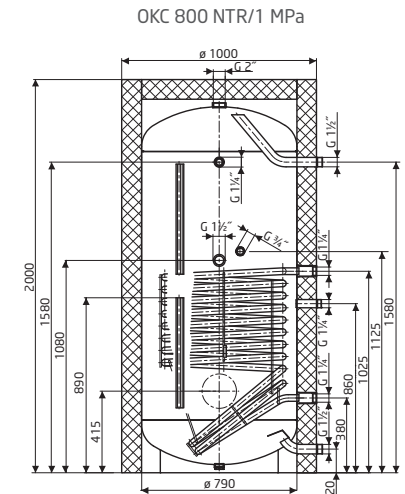
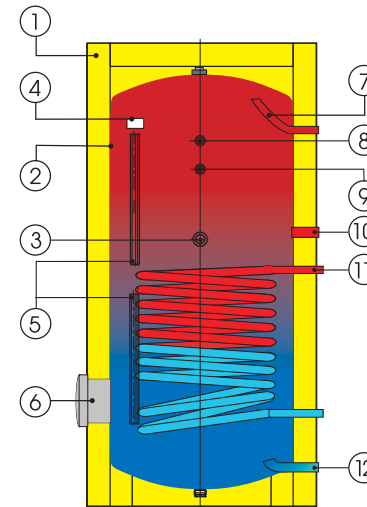
OKC 800 NTR/1 MPa
 OKC 1500 NTR/1 MPa
 OKC 2000 NTR/1 MPa

INDIRECT STORAGE WATER HEATERS

Stationary 1 MPa

Stationary indirect water heaters **OKC NTR**

- 1 Insulation
- 2 Enamelled vessel
- 3 Inlet for additional heating unit
800 litres - socket G1½" - TJ G 6/4"
1500, 2000 litres outlet G2" - reduction
for TJ G 6/4" needed
- 4 Thermometer
- 5 Thermowells
- 6 Inlet for electrical heating unit TPK
Revision input
- 7 Hot water output
- 8 Anode
- 9 Anode in 800 litres only
- 10 Circulation
- 11 Tubular exchanger
- 12 Cold water input




Type	A	B	C	D	d	E	F	G	H	I	J	K
OKC 1500 NTR/1 MPa	2240	442	1117	1200	1000	1217	1825	437	1167	1354	1494	1825
OKC 2000 NTR/1 MPa	2500	452	1152	1300	1100	1252	1997	447	1202	1472	1612	1997

Type	OKC 800 NTR/1 MPa	OKC 1500 NTR/1 MPa	OKC 2000 NTR/1 MPa
Volume [l]	800	1500	2000
Weight [kg]	268	360	420
Diameter [mm]	1000	1200	1300
Operating pressure in tank [MPa]	1	1	1
Operating pressure in exchanger [MPa]	1	1	1
Max. heating water temperature [°C]	110	110	110
Maximum HUW* temperature [°C]	95	95	95
Exchanger heating surface [m²]	2	3.5	4
Heat exchanger output at temp. gradient 80/60 °C [kW]	41.8	64.4	71.5
Continuous hot water output [l/hour]	720	1109	1230
Heating period with exchanger at temp gradient 80/60°C [min]	66	71	86
Performance number according to DIN 4708 [NL]	21	43	54
Heat loss [kWh/24 h]	4.3	6.9	7.4


* HUW hot water 45°C

Electrical heating units of flange series TPK 210/12 can be used and with reduction flange 210/150 also R series.



At the beginning was a simple idea -
to manufacture the most economical
water heater least prone to defects.

We think we have reached our
objective every year. Yet despite
this, every year we manufacture
a superior water heater.



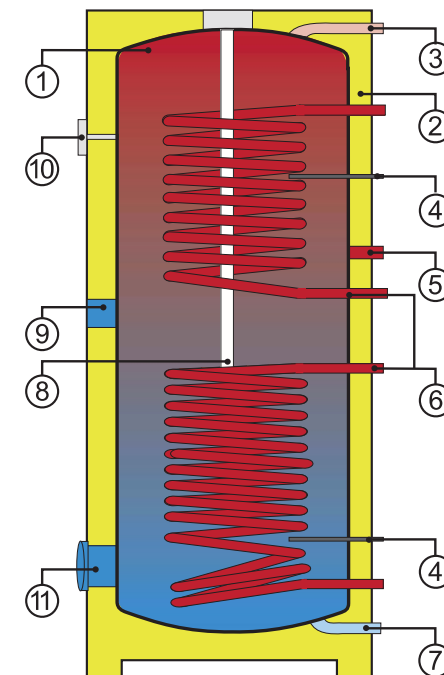
OKC 300 NTRR/1 MPa
 OKC 400 NTRR/1 MPa
 OKC 500 NTRR/1 MPa
 OKC 750 NTRR/1 MPa
 OKC 1000 NTRR/1 MPa

INDIRECT STORAGE WATER HEATERS

Stationary 1 MPa

INDIRECT stationary water heater **OKC NTRR**

- 1 Enamelled steel vessel
- 2 Water heater jacket
- 3 Outlet for HUW
- 4 Thermowells
- 5 Circulation
- 6 Tubular exchanger
- 7 Inlet for cold water
- 8 Mg anode
- 9 Thermometer
- 10 Inlet for heating element
Cleaning and inspection hole
- 11 Inlet for additional heating element



Type	OKC 300 NTRR/1 MPa	OKC 400 NTRR/1 MPa	OKC 500 NTRR/1 MPa	OKC 750 NTRR/1 MPa	OKC 1000 NTRR/1 MPa
Volume [l]	295	380	470	750	995
Diameter [mm]	670	700	700	910	1010
Weight [kg]	124	138	158	198	258
Max. operating overpressure in the tank [MPa]	1	1	1	1	1
Max. operating overpressure in the exchanger [MPa]	1.6	1.6	1.6	1.6	1.6
Max. temperature heating water [°C]	110	110	110	110	110
Max. HUW* temperature [°C]	95	95	95	95	95
Lower/upper exchanger heating surface [m ²]	1.5/1	1.8/1.05	1.9/1.3	1.93/1.17	2.45/1.12
Rated lower/upper exchanger output with temperature gradient 80/60 °C [kW]	35/27	57/31	65/40	60/33	76/32
Performance number according to DIN 4708 for the lower/upper exchanger [NL]	4.2/2.9	9.4/5.7	14.7/8.9	21/6.2	26/7.1
Continuous HUW* power lower/upper exchanger [l/hour]	1100/670	1568/1054	1590/970	1862/815	1780/780
Heating period for HUW* with a lower/ upper exchanger [min]	24/16	20/14	23/16	37/28	43/37
Heat loss [kWh/24 h]	1.86	2	2.3	3.6	3.9

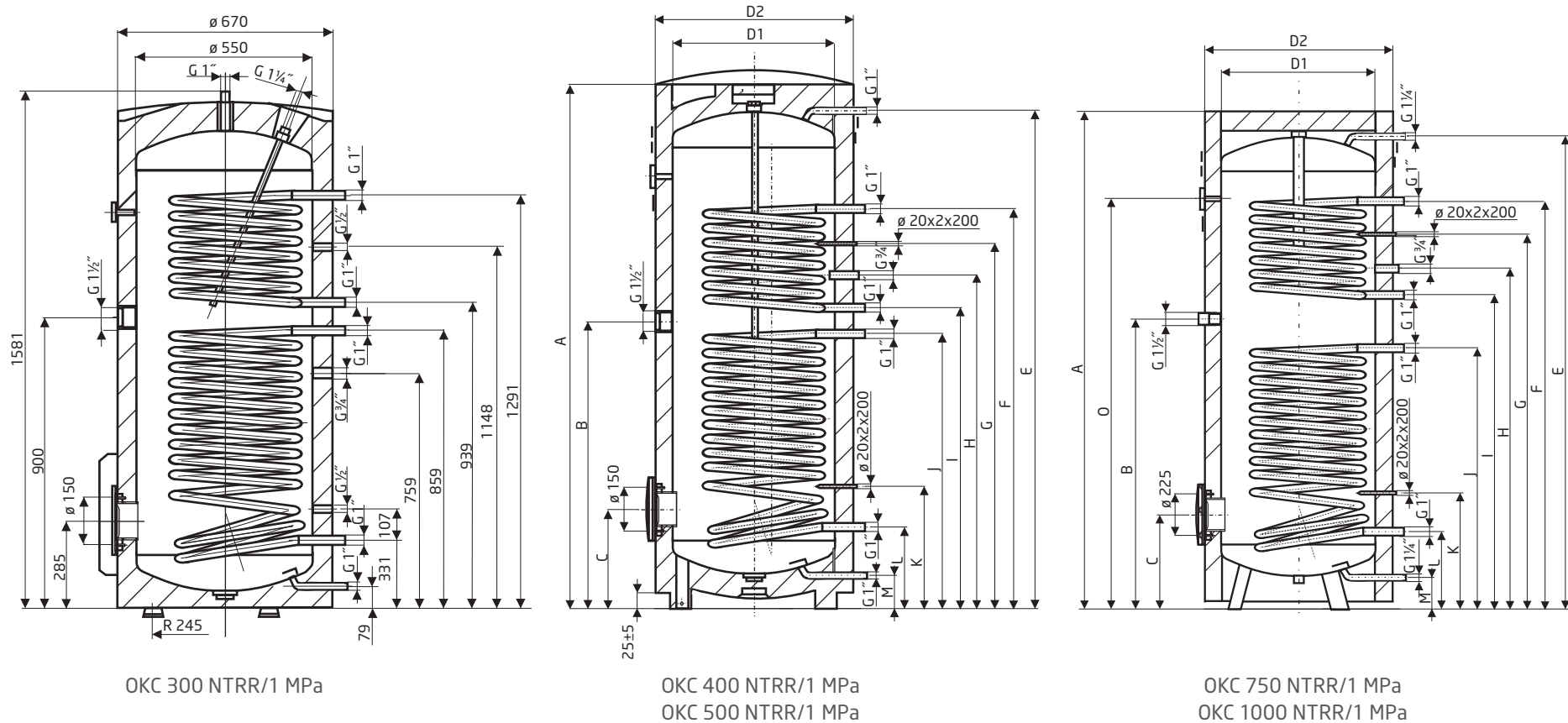
* HUW hot water 45°C

Circulation for all OKC NTRR/1 MPa types.

Built-in electric heating elements in the R flange range can be installed into OKC 300, 400, 500 NTRR/1 MPa types, electric heating elements in the SE range can be installed into OKC 750, 1000 NTRR/1 MPa types and it is also possible to use electric heating elements in the R flange range for these when a 225/150 reduction flange is used.

The heating element is not part of the heater; it must be additionally purchased as an accessory.

In the case of OKC 750, 1000 NTRR/1 MPa types, the thermal insulation is supplied separately, packed separately and is attached during installation



Type	A	B	C	D1	D2	E	F	G	H	I	J	K	L	M
OKC 400 NTRR/1 MPa	1591	957	275	597	700	1523	1354	1223	111	1006	909	369	220	55
OKC 500 NTRR/1 MPa	1921	1040	275	597	700	1853	1604	1409	1264	1114	965	380	220	55

Type	A	B	C	D1	D2	E	F	G	H	I	J	K	L	M	O
OKC 750 NTRR/1 MPa	1998	1005	378	750	910	1887	1467	1332	1242	1151	830	402	288	103	1643
OKC 1000 NTRR/1 MPa	2025	1025	387	850	1010	1905	1423	1333	1243	1153	884	411	297	103	1651

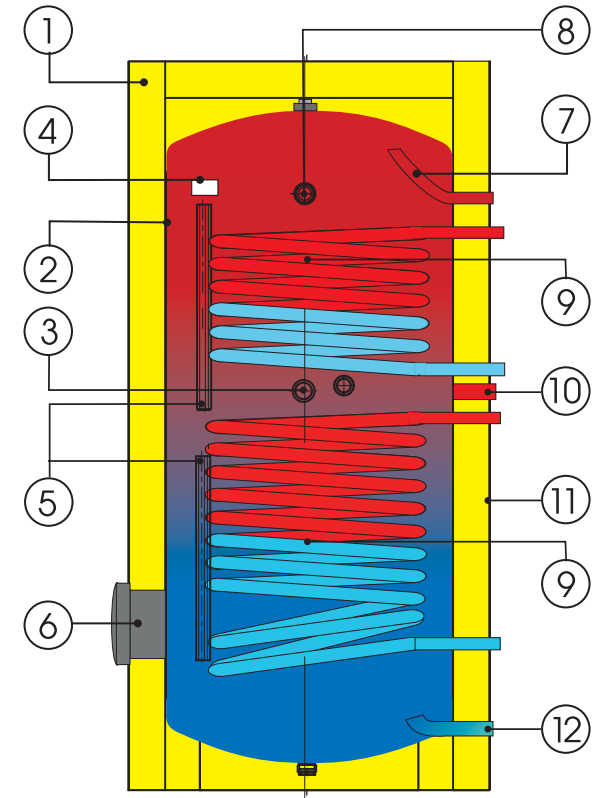
OKC 800 NTRR/1 MPa
 OKC 1500 NTRR/1 MPa
 OKC 2000 NTRR/1 MPa

INDIRECT STORAGE WATER HEATERS

Stationary 1 MPa

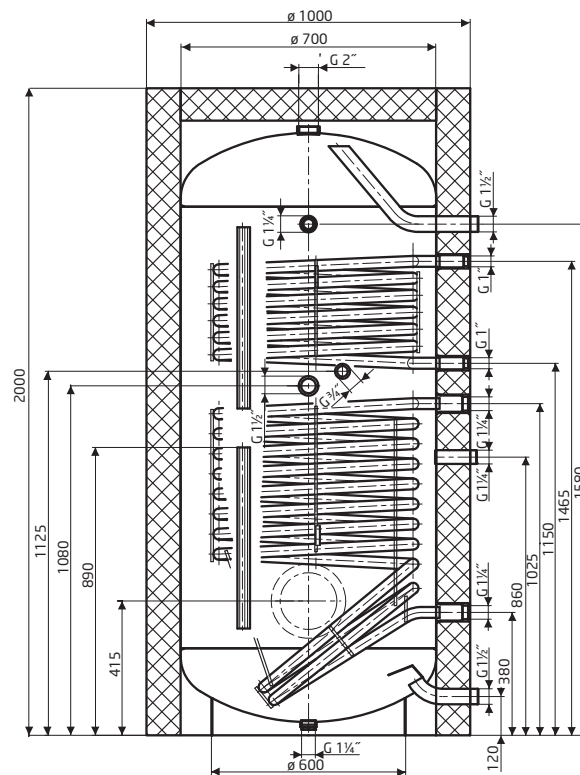
Stationary indirect water heaters **OKC NTR**

- 1 Insulation
- 2 Enamelled vessel
- 3 Inlet for additional heating unit
800 litres - socket G1½" - TJ G 6/4"
1500, 2000 litres outlet G2" - reduction
for TJ G 6/4" needed
- 4 Thermometer
- 5 Thermowells
- 6 Inlet for electrical heating unit TPK
Revision input
- 7 Hot water output
- 8 Anode
- 9 Anode in 800 litres only
- 10 Circulation
- 11 Tubular exchange
- 12 Tubular exchange

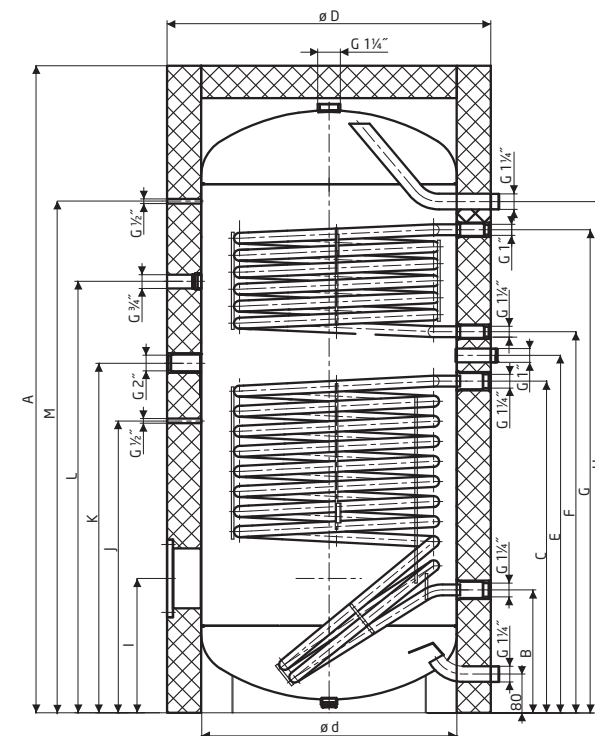


Electrical heating units of flange series TPK 210/12 can be used and with reduction flange 210/150 also R series.

Type	OKC 1500 NTRR/1 MPa	OKC 2000 NTRR/1 MPa
A	2240	2430
B	442	452
C	1067	1090
D	1200	1300
d	1000	1100
E	1217	1252
F	1342	1393
G	1722	1713
H	1825	1997
I	437	447
J	116	1202
K	1354	1472
L	1494	1612
M	1825	1997



OKC 800 NTRR/1 MPa



OKC 1500 NTRR/1 MPa
OKC 2000 NTRR/1 MPa

Type	OKC 800 NTRR/1 MPa	OKC 1500 NTRR/1 MPa	OKC 2000 NTRR/1 MPa
Volume [l]	800	1500	2000
Weight [kg]	284	360	420
Diameter [mm]	1000	1200	1300
Operating pressure in tank [MPa]	1	1	1
Operating pressure in exchanger [MPa]	1	1	1
Max. heating water temperature [°C]	110	110	110
Max. hot water temperature [°C]	95	95	95
Exchanger heating upper/lower surface [m ²]	2.0/1.2	3.5/1.75	4/2.0
Rated lower/upper exchanger output with temperature gradient 80/60 °C [kW]	41.8/24.6	64.4/37.2	71.5/41.9
Continuous HUW* power lower/upper exchanger [l/hour]	720/423	1109/640	1230/721
Heating period for HUW with a lower/upper exchanger [min]	66/46	71/63	86/70
Exchanger performance number acc. DIN 4708 (NL)	21/	43/	54/
Heat loss [kWh/24 h]	4.3	6.9	7.4

* HUW hot water 45°C

OKC 300 NTR/ SOLAR SET OKC 300 NTRR/ SOLAR SET

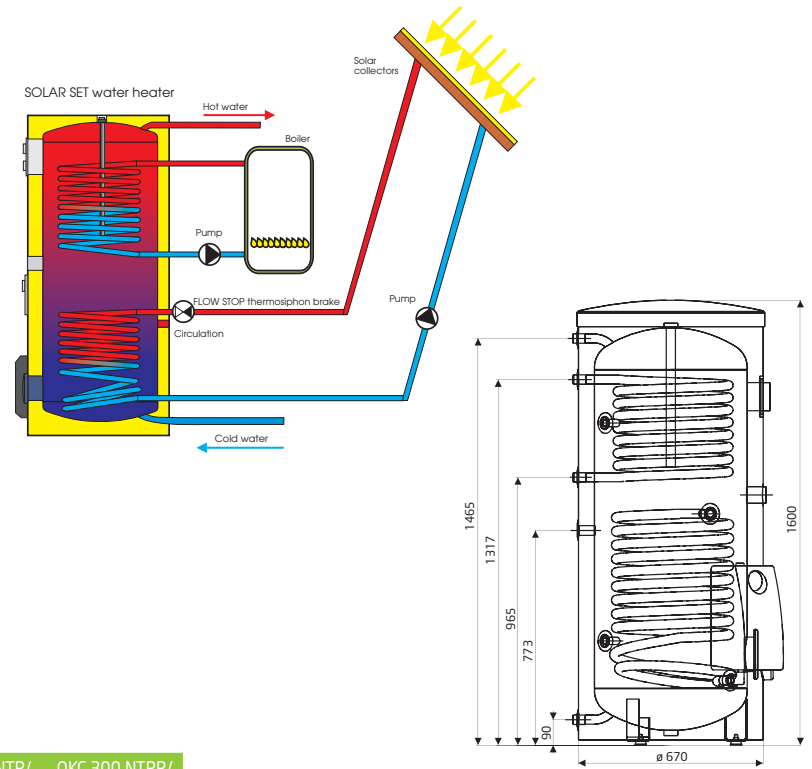


SOLAR WATER HEATERS

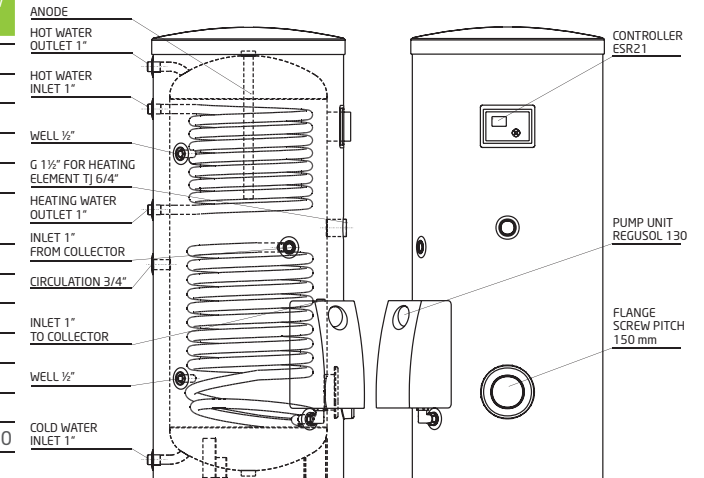
Stationary 1 MPa

SOLAR SET water heater description:

- **REGUSOL 130** pump unit with a through-flow of 2-15 l/min preassembled by the manufacturer
- control unit for solar circuit
- option to mount an additional TJ 6/4" electrical heating unit
- one magnesium anode is included; at request request it is possible to install a maintenance-free titanium anode
- 60 mm strong insulation made of CFC-free polyurethane foam
- Enameled steel vessel
- **FLOW STOP** thermosiphon brake is mounted on the inlet pipe of the lower exchanger, preventing re-circulation in the solar circuit.



Type	OKC 300 NTR/ SOLAR SET	OKC 300 NTRR/ SOLAR SET
Volume [l]	300	295
Height [mm]	1600	1600
Diameter [mm]	670	670
Max. weight of heater without water [kg]	145	155
Max. operating overpressure in the tank [MPa]	1	1
Max. operating overpressure in the exchanger [MPa]	1	1
Max. temperature heating water [°C]	110	110
Max. HUW temperature [°C]	90	90
Heating surface of the solar exchanger [m ²]	1,5	1,5
Heating surface of the boiler exchangeru [m ²]	-	1
Volume of solar exchanger [l]	10,5	10,5
Volume of boiler exchanger [l]	-	7
Voltage [V/Hz]	1 PE-N~230/50 1 PE-N~230/50	
Heat loss [kWh/24 h]	1,86	1,86

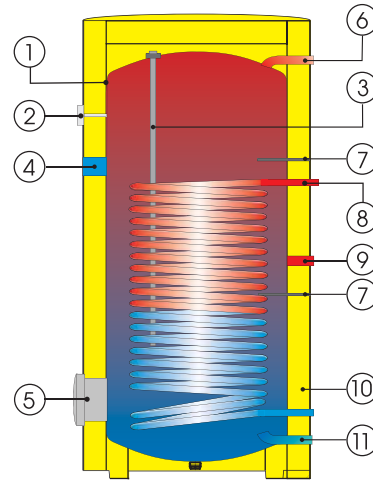


INDIRECT STORAGE WATER HEATERS

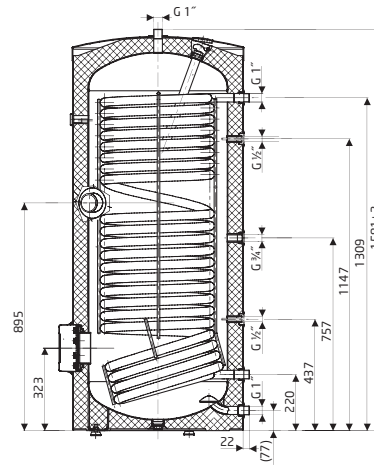
Stationary

Stationary indirect water heaters **OKC NTR/HP**

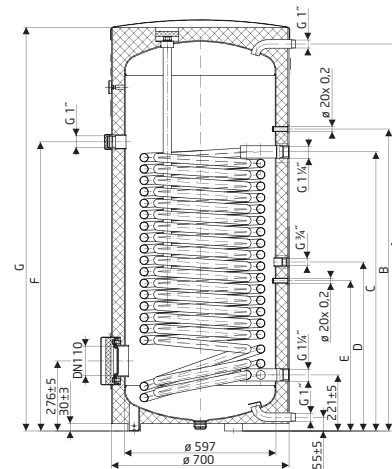
- 1 Enamelled vessel
- 2 Thermometer
- 3 Anode
- 4 Inlet for electrical heating unit G 1 1/2"
- 5 Flange \varnothing 150 mm
- 6 Hot water output
- 7 Thermowells
- 8 Tubular exchanger
- 9 Circulation
- 10 Water heater jacket + insulation
- 11 Cold water input



OKC 300 NTR/HP



OKC 400 NTR/HP
OKC 500 NTR/HP



Type	A	B	C	D	E	F	G
OKC 400 NTR/HP	1526	1190	1100	666	592	1140	1591
OKC 500 NTR/HP	1853	1369	1279	1035	699	1319	1921

Type	OKC 300 NTR/HP	OKC 400 NTR/HP	OKC 500 NTR/HP
Volume [l]	295	356	440
Weight [kg]	138	172	203
Diameter [mm]	670	700	700
Operating pressure in tank [MPa]	1	1	1
Operating pressure in exchanger [MPa]	1	1.6	1.6
Max. heating water temperature [°C]	110	110	110
Max. hot water temperature [°C]	90	90	90
Exchanger heating surface [m ²]	3.2	5	6.2
Exchanger volume [l]	24	36	43
Exchanger output at temp. gradient 55/50 °C [kW]	12	45	50
Heat loss [kWh/24h]	1.86	2.8	3.2

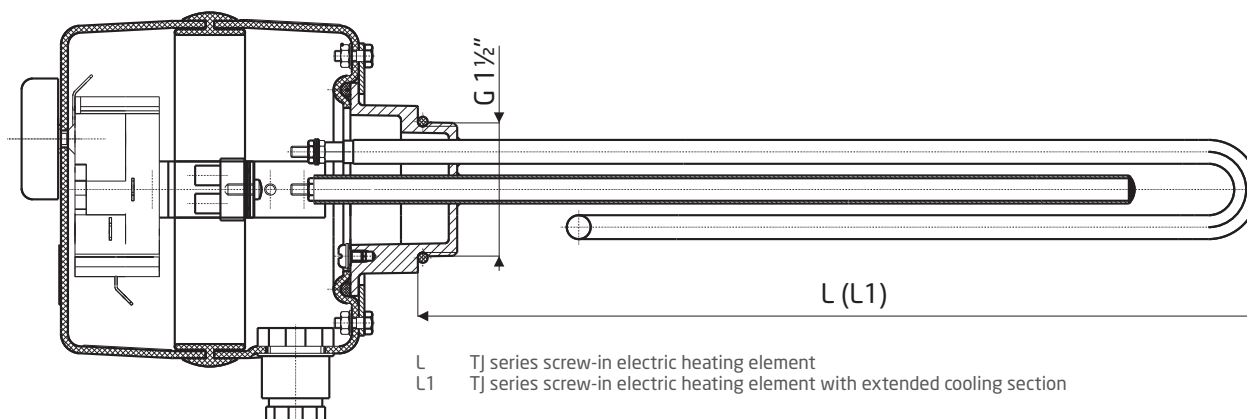
OKC 300 NTR/HP
OKC 400 NTR/HP
OKC 500 NTR/HP



TJ 6/4" - 2
 TJ 6/4" - 2,5
 TJ 6/4" - 3,3
 TJ 6/4" - 3,75
 TJ 6/4" - 4,5
 TJ 6/4" - 6
 TJ 6/4" - 7,5
 TJ 6/4" - 9

ACCESSORIES

Threaded electric heating unit series TJ G 6/4"



Can be used also in water heaters 1500, 2000 litres with reduction G 2"-1 1/2"

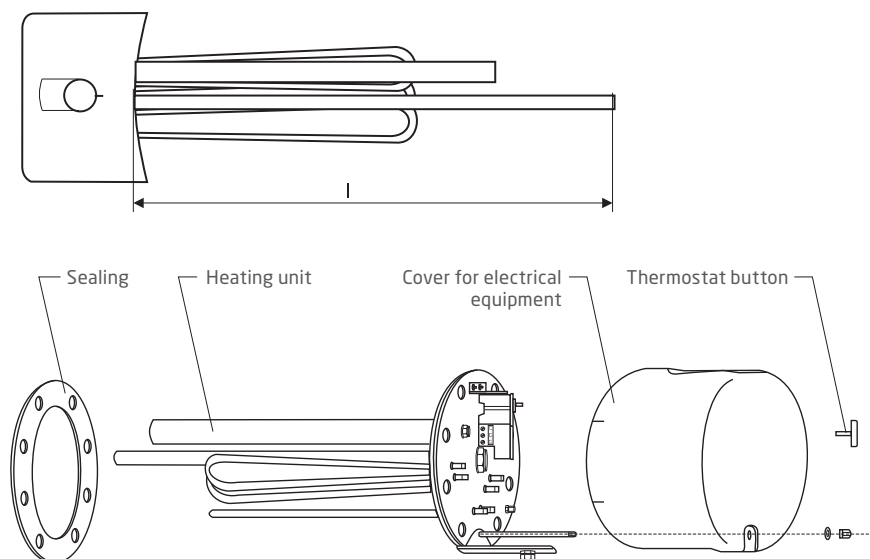
Type	TJ 6/4" - 2	TJ 6/4" - 2,5	TJ 6/4" - 3,3	TJ 6/4" - 3,75	TJ 6/4" - 4,5	TJ 6/4" - 6	TJ 6/4" - 7,5	TJ 6/4" - 9
Output [kW]	2	2,5	3,3	3,75	4,5	6	7,5	9
Voltage [V/Hz]	1 PE-N 230/50 1 PE-N 230/50 3 PE-N 400/50 3 PE-N 400/50 3 PE-N 400/50 3 PE-N 400/50 3 PE-N 400/50 3 PE-N 400/50							
Heating time from 10°C to 60°C (approx. 150 l) [hour]	4,5	4	2,7	2,3	2	1,5	1,3	1
Heating time from 35°C to 60°C (approx. 150 l) [hour]	2,2	2	1,5	1,2	1	0,7	0,6	0,5
Electrical protection	IP 45	IP 45	IP 45	IP 45	IP 45	IP 45	IP 45	IP 45
Setting range [°C]	5-77	5-77	5-77	5-77	5-77	5-77	5-77	5-77
Unit length l [mm]	350	360	330	350	400	520	580	610
Weight [kg]	1,6	1,8	2	2,1	2,2	2,4	2,4	2,6

Possible mounting of electric heating units TJ 6/4" series is in table on page 44.

ACCESSORIES

Built-in electric heating unit flange series R, SE

Only for OKC 300 - 1000 NTR, NTRR/1 MPa, OKCE 400 - 1000 S/1 MPa



Type	Output [kW]	Voltage [V/Hz]	Unit length l [mm]	Electrical protection	Weight [kg]
REU 18 - 2,5	2,5	1 PE-N~230/50	430	IP 24	3
RDU 18 - 2,5	2,5	3 PE-N~400/50	430	IP 24	3,3
RDU 18 - 3	3	3 PE-N~400/50	430	IP 24	3,4
RDU 18 - 3,8	3,8	3 PE-N~400/50	430	IP 24	3,5
RDU 18 - 5	5	3 PE-N~400/50	430	IP 24	3,5
RDU 18 - 6	6	3 PE-N~400/50	430	IP 24	3,5
RDW 18 - 7,5	7,5	3 PE-N~400/50	430	IP 24	3,7
RDW 18 - 10	10	3 PE-N~400/50	430	IP 24	4
RSW 18 - 12	12	3 PE-N~400/50	530	IP 24	4
RSW 18 - 15	15	3 PE-N~400/50	630	IP 24	4,2
SE 377*	8,0/11/16	3 PE-N~400/50	610	IP 24	8
SE 378*	9,5/14/19	3 PE-N~400/50	740	IP 24	11,5

*Only for heaters with volumes of 750 and 1000 litres.

With the aid of a crossover flange, types REU, RDU, RDW and RSW can also be used for heaters with volumes of 750 and 1000 litres. REU, RDU and RSW types can also be used for heaters with volumes of 800, 1500 and 2000 litres with the aid of a reduction flange.

REU 18 - 2,5
 RDU 18 - 2,5
 RDU 18 - 3
 RDU 18 - 3,8
 RDU 18 - 5
 RDU 18 - 6
 RDW 18 - 7,5
 RDW 18 - 10
 RSW 18 - 12
 RSW 18 - 15
 SE 377
 SE 378

	REU 18 - 2,5	RDU 18 - 2,5	RDU 18 - 3	RDU 18 - 3,8	RDU 18 - 5	RDU 18 - 6	RDW 18 - 7,5	RDW 18 - 10	RSW 18 - 12	RSW 18 - 15	SE 377	SE 378
OKC 300 NTR/1 MPa	▲	▲	▲	▲	▲	▲	▲	▲	-	-	-	-
OKC 300 NTRR/1 MPa	▲	▲	▲	▲	▲	▲	▲	▲	-	-	-	-
OKCE 300 S/1 MPa	●	●	●	●	●	●	●	●	-	-	-	-
OKCE 400 S/1 MPa	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	-	-
OKC 400 NTR/1 MPa	▲	▲	▲	▲	▲	▲	▲	▲	▲	-	-	-
OKC 400 NTRR/1 MPa	▲	▲	▲	▲	▲	▲	▲	▲	▲	-	-	-
OKCE 500 S/1 MPa	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	-	-
OKC 500 NTR/1 MPa	▲	▲	▲	▲	▲	▲	▲	▲	▲	-	-	-
OKC 500 NTRR/1 MPa	▲	▲	▲	▲	▲	▲	▲	▲	▲	-	-	-
OKCE 750 S/1 MPa	■	■	■	■	■	■	■	■	■	■	▲	▲
OKC 750 NTR/1 MPa	■	■	■	■	■	■	■	■	■	■	▲	-
OKC 750 NTRR/1 MPa	■	■	■	■	■	■	■	■	■	■	▲	-
OKCE 800 S/1 MPa	●	●	●	●	●	●	●	●	●	●	-	-
OKC 800 NTR/1 MPa	●	●	●	●	●	●	●	●	●	●	-	-
OKC 800 NTRR/1 MPa	●	●	●	●	●	●	●	●	●	●	-	-
OKCE 1000 S/1 MPa	■	■	■	■	■	■	■	■	■	■	▲	▲
OKC 1000 NTR/1 MPa	■	■	■	■	■	■	■	■	■	■	▲	▲
OKC 1000 NTRR/1 MPa	■	■	■	■	■	■	■	■	■	■	▲	▲
OKCE 1500 S/1 MPa	●	●	●	●	●	●	●	●	●	●	-	-
OKC 1500 NTR/1 MPa	●	●	●	●	●	●	●	●	●	●	-	-
OKC 1500 NTRR/1 MPa	●	●	●	●	●	●	●	●	●	●	-	-
OKCE 2000 S/1 MPa	●	●	●	●	●	●	●	●	●	●	-	-
OKC 2000 NTR/1 MPa	●	●	●	●	●	●	●	●	●	●	-	-
OKC 2000 NTRR/1 MPa	●	●	●	●	●	●	●	●	●	●	-	-

▲ it can be used, ■ it can be used, but only with crossover flange 225/150, ● it can be used, but only with crossover flange 210/150, - it can not be used

Volume [l]	Flange dimensions* [mm]	Heating time from 10°C to 60°C [hours]									
		8	6	5	4	3	2,5	2	1,5	1	
300	Flange ø150	RDU 18 - 2,5	RDU 18 - 3	RDU 18 - 3,8	RDU 18 - 5	RDU 18 - 6	RDW 18 - 7,5	RDW 18 - 10	-	-	
	Socket 6/4"	-	-	TJ 6/4" - 2	TJ 6/4" - 2,5	TJ 6/4" - 3,3	TJ 6/4" - 3,75	TJ 6/4" - 4,5	TJ 6/4" - 6	TJ 6/4" - 7,5	
400	Flange ø150	RDU 18 - 3	RDU 18 - 3,8	RDU 18 - 5	RDU 18 - 6	RDW 18 - 7,5	RDW 18 - 10	RSW 18 - 12	-	-	
	Socket 6/4"	-	TJ 6/4" - 2	TJ 6/4" - 2,5	TJ 6/4" - 3,3	TJ 6/4" - 3,75	TJ 6/4" - 4,5	TJ 6/4" - 6	TJ 6/4" - 7,5	TJ 6/4" - 9	
500	Flange ø150	RDU 18 - 3,8	RDU 18 - 5	RDU 18 - 6	RDW 18 - 7,5	RDW 18 - 10	RSW 18 - 12	-	-	-	
	Socket 6/4"	TJ 6/4" - 2	TJ 6/4" - 2,5	TJ 6/4" - 3,3	TJ 6/4" - 3,75	TJ 6/4" - 4,5	TJ 6/4" - 6	TJ 6/4" - 7,5	TJ 6/4" - 9	-	
750	Flange ø150	RDU 18 - 6	RDW 18 - 7,5	RDW 18 - 10	RSW 18 - 12	RSW 18 - 15	-	-	-	-	
	Flange ø255	-	SE 377 - 8	SE 378 - 9,5	SE 377 - 11	SE 378 - 14	SE 377 - 16	SE 378 - 19	-	-	
1000	Flange ø150	RDW 18 - 7,5	RDW 18 - 10	RSW 18 - 12	RSW 18 - 15	-	-	-	-	-	
	Flange ø225	SE 377 - 8	SE 378 - 9,5	SE 377 - 11	SE 378 - 14	SE 377 - 16	SE 378 - 19	-	-	-	
	Socket 6/4"	TJ 6/4" - 3,75	-	TJ 6/4" - 6	TJ 6/4" - 7,5	TJ 6/4" - 9	-	-	-	-	

*Diameter of hole for screws.
The resulting heating time for TJ units depends on the heater volume.

TABLE 1 - Mounting of elements TPK

Diameter vessel	Vessel ø 440 mm		Vessel ø 500 mm		Vessel ø 550 mm	Vessel ø 750 a 850 mm	Vessel ø 790, 1000 a 1100 mm
Type	OKCE 100 S/2,2 kW OKC 100 NTR/BP OKCE 100 NTR/2,2 kW OKCE 125 S/2,2 kW OKC 125 NTR/BP OKCE 125 NTR/2,2 kW	OKCE 160 S/3-6 kW OKCE 200 S/3-6 kW OKCE 250 S/3-6 kW	OKCE 160 S/2,2 kW OKCE 160 NTR/2,2 kW OKCE 200 S/2,2 kW OKC 200 NTR/BP OKC 200 NTRR/BP OKCE 200 NTR/2,2 kW OKCE 200 NTRR/2,2 kW	OKC 160 NTR/BP OKCE 250 S/2,2 kW OKC 250 NTR/BP OKC 250 NTRR/BP OKCE 250 NTR/2,2 kW OKCE 250 NTRR/2,2 kW	OKCE 300 S/1 MPa OKC 300 NTR/BP OKC 300 NTRR/BP OKCE 300 NTR/2,2 kW OKCE 300 NTRR/2,2 kW OKCE 300 NTR/3-6 kW OKCE 300 NTRR/3-6 kW	OKC 750 NTR/1 MPa OKC 750 NTRR/1 MPa OKC 1000 NTR/1 MPa OKC 1000 NTRR/1 MPa	OKCE 800 S / 1 MPa OKCE 1500 S / 1 MPa OKCE 2000 S / 1 MPa OKC 800 NTR / 1 MPa OKC 1500 NTR / 1 MPa OKC 2000 NTR / 1 MPa OKC 800 NTRR / 1 MPa OKC 1500 NTRR / 1 MPa OKC 2000 NTRR / 1 MPa
TPK 168-8/2,2 kW	YES	NO	YES	YES	NO	NO	NO
TPK 210-12/2,2 kW	NO	YES	NO	NO	YES	YES ²	YES
TPK 210-12/3-6 kW	NO	YES	NO	NO	YES	YES ²	YES
TPK 210-12/5-9 kW	NO	NO	NO	NO	YES ¹	YES ²	YES
TPK 210-12/8-12 kW	NO	NO	NO	NO	YES ¹	YES ²	YES

YES¹ Can be used only in OKCE 300S/1 MPa

YES² Only together with crossover flange 225/210

TABLE 2 - Mounting of elements TJ 6/4"

Diameter vessel	Vessel ø 500 mm		Vessel ø 550 mm	Vessel ø 600 mm	Vessel ø 750 a 850 mm	Vessel ø 790, 1000 a 1100 mm
Type	OKC 200 NTR/BP OKC 200 NTRR/BP OKCE 200 NTR/2,2 kW OKCE 200 NTRR/2,2 kW OKC 200 NTRR/SOL OKC 300 NTRR/SOL	OKC 250 NTR/BP OKC 250 NTRR/BP OKCE 250 NTR/2,2 kW OKCE 250 NTRR/2,2 kW OKC 250 NTRR/SOL	OKC 300 NTR/BP OKC 300 NTRR/BP OKCE 300 NTR/2,2 kW OKCE 300 NTRR/2,2 kW OKCE 300 NTR/3-6 kW OKCE 300 NTRR/3-6 kW OKC 300 NTR/SOLAR SET OKC 300 NTRR/SOLAR SET OKC 300 NTR/1 MPa OKC 300 NTRR/1 MPa	OKC 400 NTR/1 MPa OKC 400 NTRR/1 MPa OKC 500 NTR/1 MPa OKC 500 NTRR/1 MPa	OKC 750 NTR/1 MPa OKC 750 NTRR/1 MPa OKC 1000 NTR/1 MPa OKC 1000 NTRR/1 MPa	OKCE 800 S / 1 MPa OKCE 1500 S / 1 MPa OKCE 2000 S / 1 MPa OKC 800 NTR/1 MPa OKC 1500 NTR/1 MPa OKC 2000 NTR/1 MPa OKC 800 NTRR/1 MPa OKC 1500 NTRR/1 MPa OKC 2000 NTRR/1 MPa
TJ 6/4" - 2	YES	YES	YES	YES	YES	YES ¹
TJ 6/4" - 2,5	YES	YES	YES	YES	YES	YES ¹
TJ 6/4" - 3,3	YES	YES	YES	YES	YES	YES ¹
TJ 6/4" - 3,75	YES	YES	YES	YES	YES	YES ¹
TJ 6/4" - 4,5	YES	YES	YES	YES	YES	YES ¹
TJ 6/4" - 6	YES	YES	YES	YES	YES	YES ¹
TJ 6/4" - 7,5	NO	NO	YES	YES	YES	YES ¹
TJ 6/4" - 9	NO	NO	YES	YES	YES	YES ¹

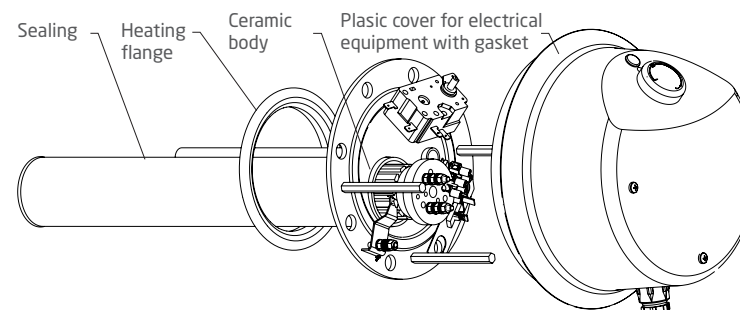
YES¹ Reduction G 2" - G1½" needed

TPK 168 - 8/2,2 kW
 TPK 210 - 12/2,2 kW
 TPK 210 - 12/3-6 kW
 TPK 210 - 12/5-9 kW
 TPK 210 - 12/8-12 kW

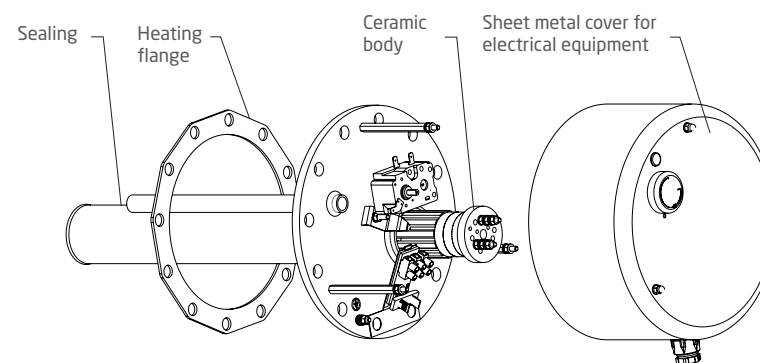
ACCESSORIES

Built-in electric heating unit for flange series

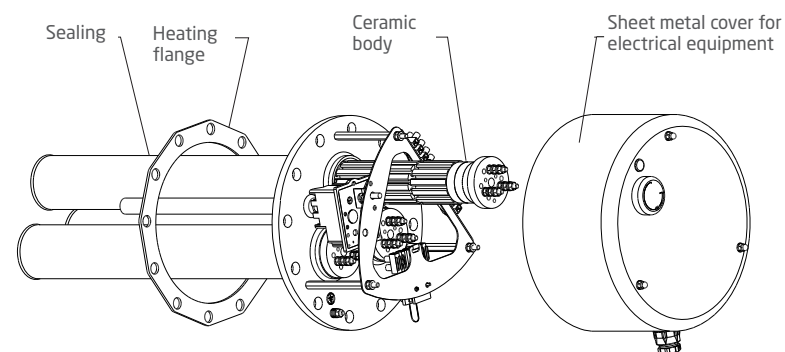
TPK 168 - 8/2,2 kW



TPK 210 - 12/2,2 kW



TPK 210 - 12/3-6 kW
TPK 210 - 12/5-9 kW
TPK 210 - 12/8-12 kW

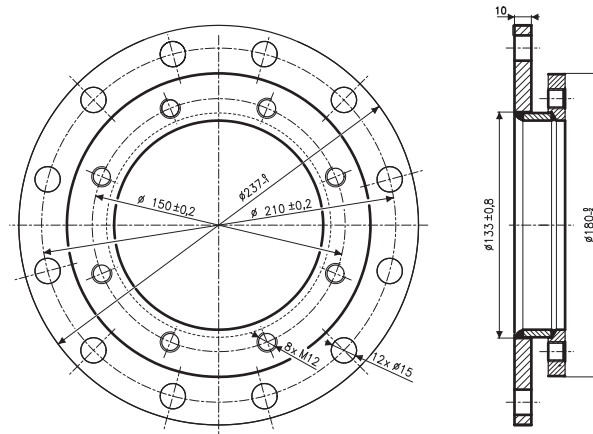


Type	Output [kW]	Voltage [V/Hz]	Unit length l [mm]	Electrical protection	Weight [kg]	Mounting
TPK 168 - 8/2,2 kW	2,2	1 PE-N~230/50	405	IP 44	5	8x M10
TPK 210 - 12/2,2 kW	2,2	1 PE-N~230/50	440	IP 44	9	12x M12
TPK 210 - 12/3-6 kW	3 - 4 - 6	3 PE-N~400/50	440	IP 44	15	12x M12
TPK 210 - 12/5-9 kW	5 - 7 - 9	3 PE-N~400/50	550	IP 44	18	12x M12
TPK 210 - 12/8-12 kW	8 - 10 - 12	3 PE-N~400/50	550	IP 44	18	12x M12

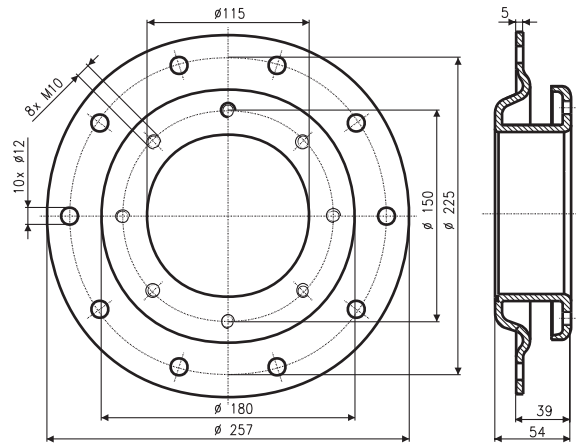
Possible mounting of electric heating units Tj 6/4" series is in table on page 45.

ACCESSORIES

Electric heating units REU, RDU, RDW, RSW or exchanger RWT 1-110 D can be used for water heaters with volumes of 800 and 2000 litres only with crossover flange 210/150.



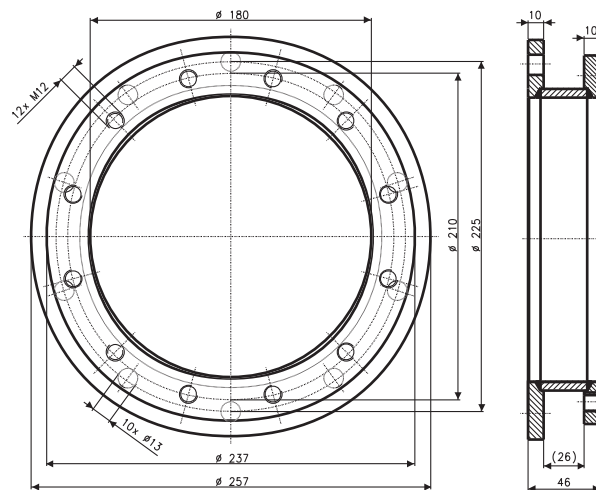
Crossover flange
210/150



Electric heating units REU, RDU, RDW, RSW or exchanger RWT 1-110 D can be used for water heaters with volumes of 750 and 1000 litres only with crossover flange 225/150.

Crossover flange
225/150

Electric heating units TPK 210-12/2.2 kW a TPK 210-12/3-6 kW can be used for water heaters with volumes of 750 and 100 litres only with crossover flange 225/210.



Crossover flange
225/210



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