

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

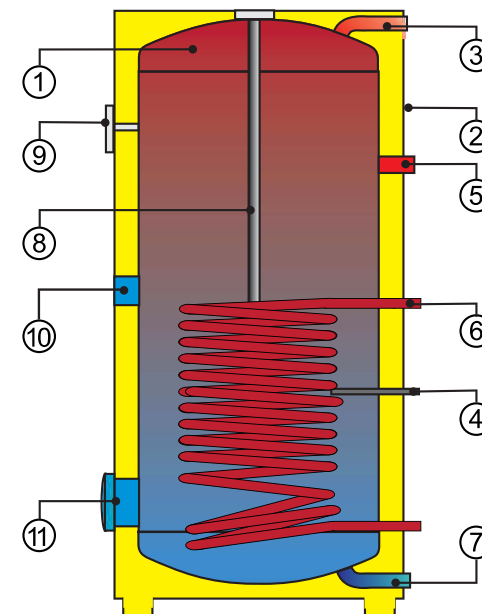


## INDIRECT STORAGE WATER HEATERS

Stationary 1 MPa

**INDIRECT** stationary water heater **OKC NTR**

- 1 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 Thermometer
- 10 Inlet for heating element  
Cleaning and inspection hole
- 11 Inlet for additional heating element

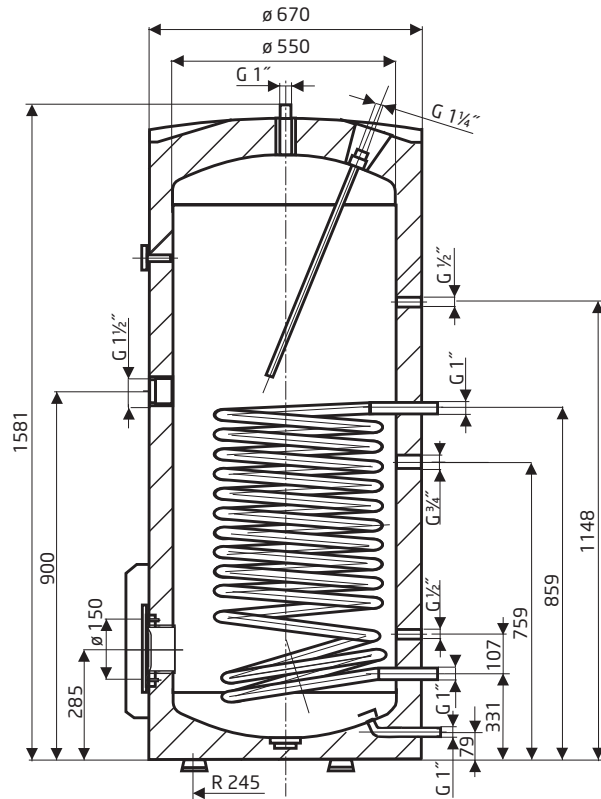


Type	OKC 300 NTR/ 1 MPa	OKC 400 NTR/ 1 MPa	OKC 500 NTR/ 1 MPa	OKC 750 NTR/ 1 MPa	OKC 1000 NTR/ 1 MPa
Volume [l]	300	385	485	750	975
Diameter [mm]	670	700	700	910	1010
Weight [kg]	108	123	143	210	274
Max. operating overpressure in the tank [MPa]	1	1	1	1	1
Max. operating overpressure in the exchanger [MPa]	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

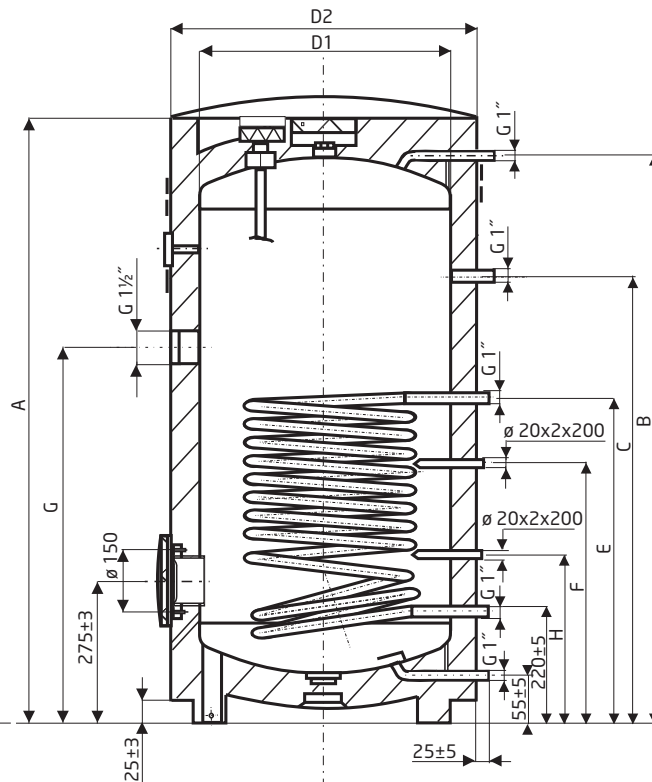
\* HUW hot water 45°C

### Circulation in all types.

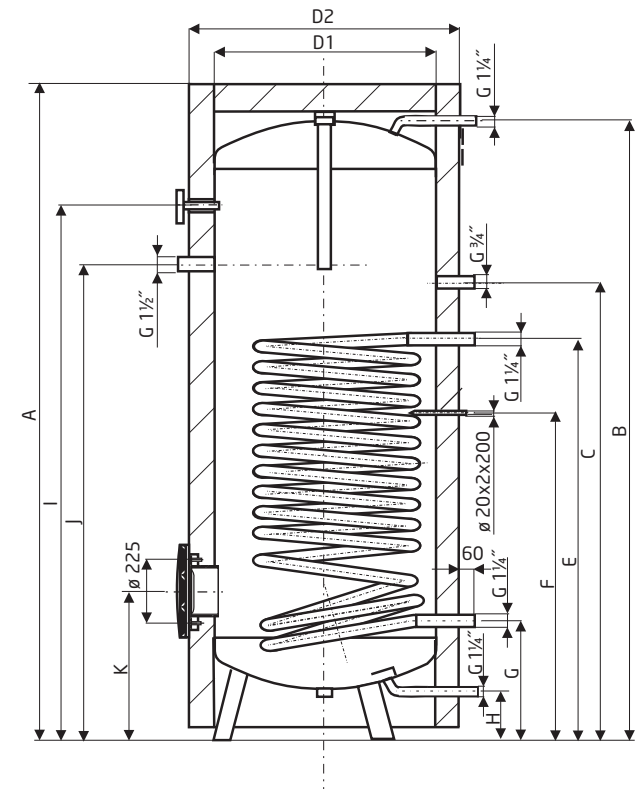
For the OKC 750, 1000 NTR/1MPa types, thermal insulation is supplied as an accessory. This must be mounted during installation. Built-in electric heating units from the R flange series can be installed into types OKC 300, 400, 500 NTR/1MPa, flange series SE into types OKC 750, 1000 NTR/1MPa and if a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

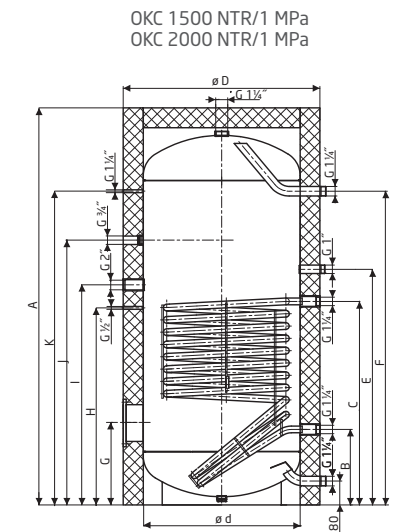
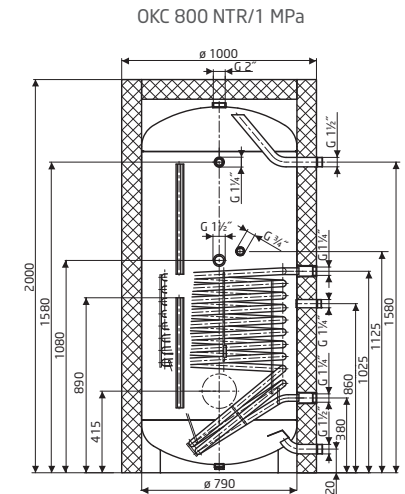
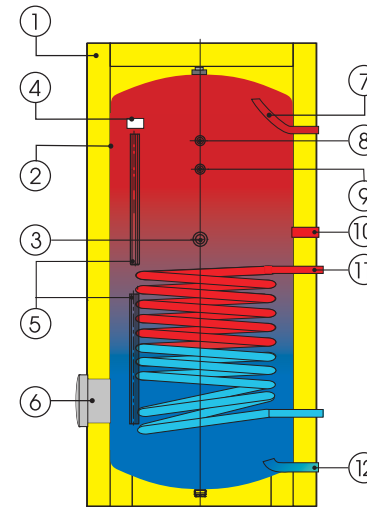
OKC 800 NTR/1 MPa  
 OKC 1500 NTR/1 MPa  
 OKC 2000 NTR/1 MPa

# 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.

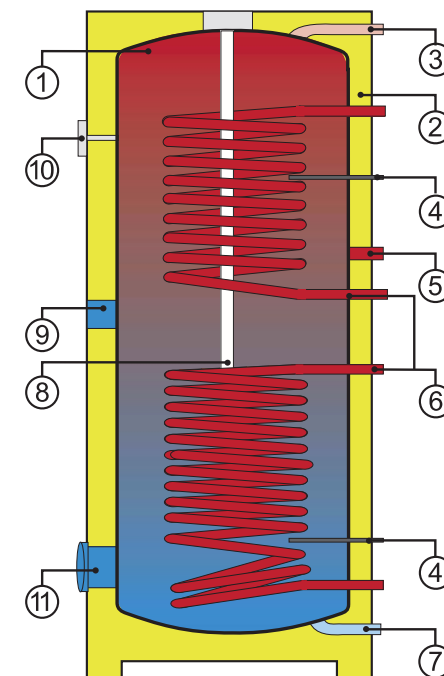
OKC 300 NTRR/1 MPa  
 OKC 400 NTRR/1 MPa  
 OKC 500 NTRR/1 MPa  
 OKC 750 NTRR/1 MPa  
 OKC 1000 NTRR/1 MPa

## 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 <sup>2</sup> ]	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

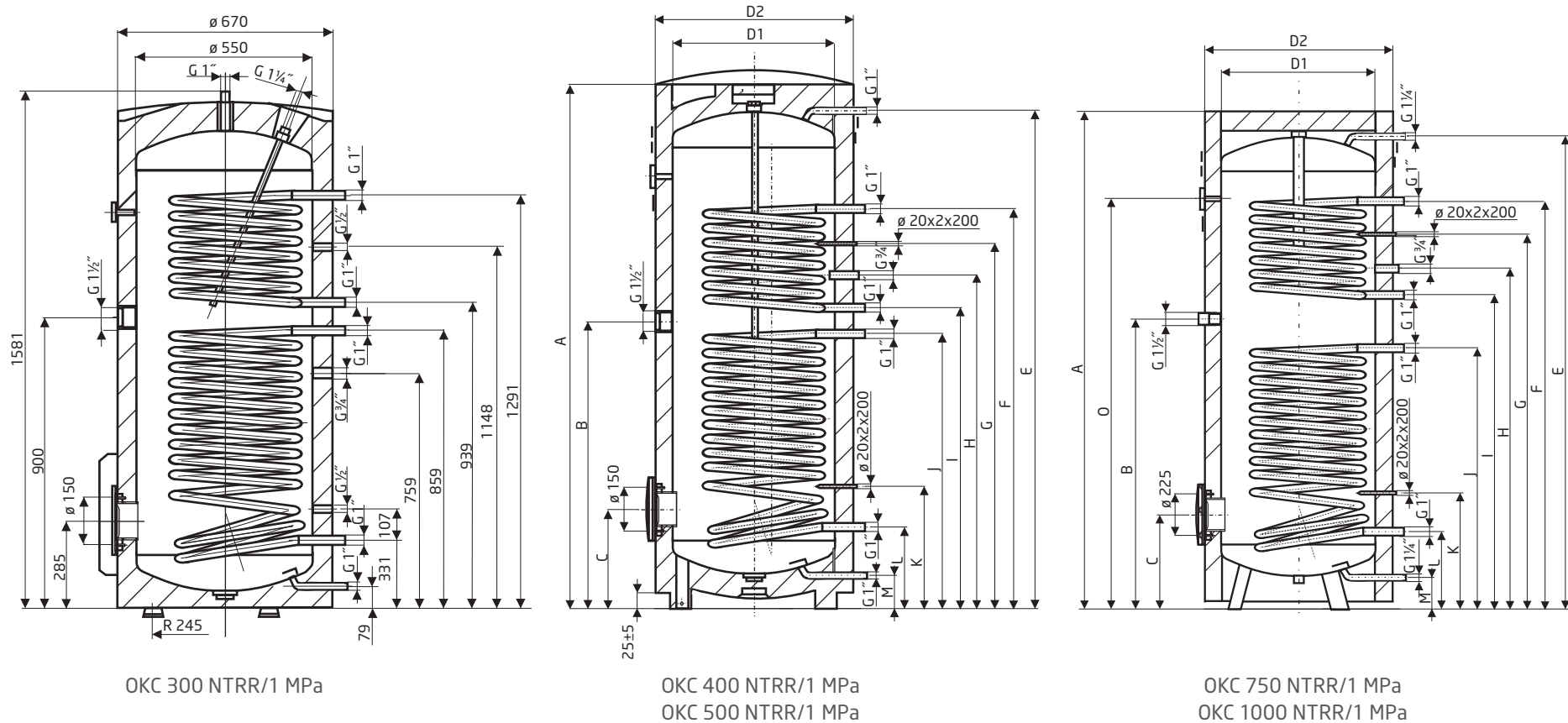
\* HUW hot water 45°C

### 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

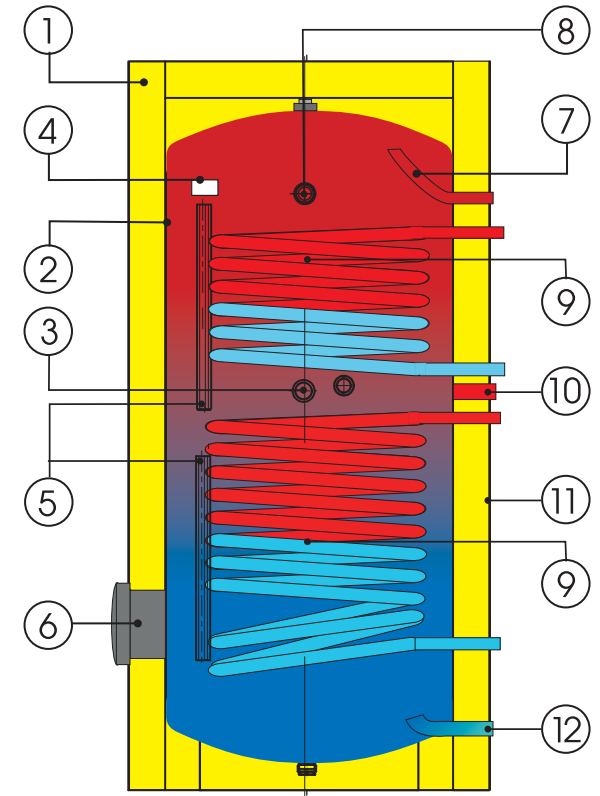
OKC 800 NTRR/1 MPa  
 OKC 1500 NTRR/1 MPa  
 OKC 2000 NTRR/1 MPa

## INDIRECT STORAGE WATER HEATERS

Stationary 1 MPa

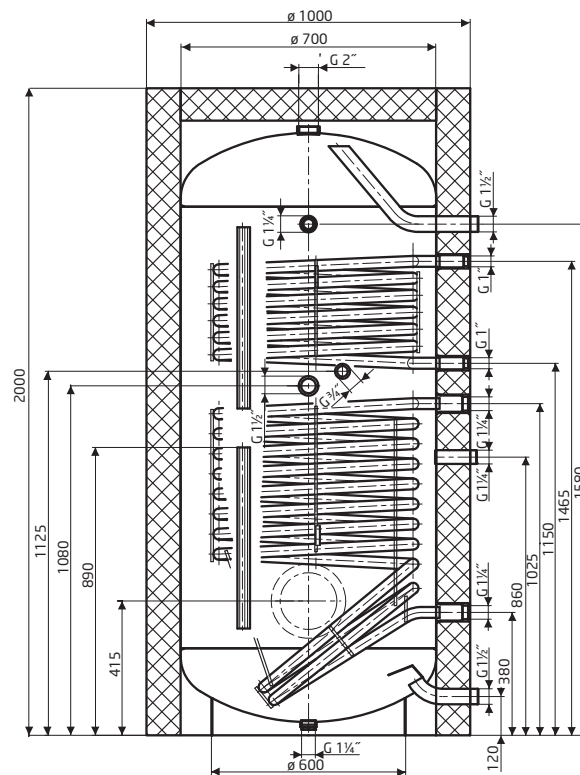
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for TJ G 6/4" needed
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- 5 Thermowells
- 6 Inlet for electrical heating unit TPK  
Revision input
- 7 Hot water output
- 8 Anode
- 9 Anode in 800 litres only
- 10 Circulation
- 11 Tubular exchange
- 12 Tubular exchange

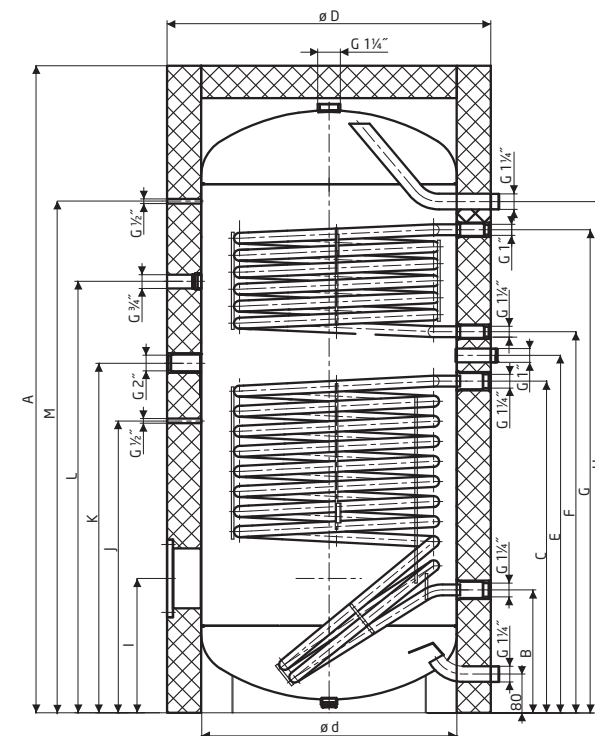


Electrical heating units of flange series TPK 210/12 can be used and with reduction flange 210/150 also R series.

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 <sup>2</sup> ]	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