



Strojírenský zkušební ústav, s.p.
(Engineering Test Institute, Public Enterprise)
Product Certification Body
Hudcova 424/56b, 621 00 Brno, Czech Republic

issues

CERTIFICATE

Number: **B-00981-19**

Customer: Družstevní závody Dražice - strojírna s r.o.
Dražice 69
Benátky nad Jizerou
294 71
Czech Republic

Company ID no.: 45148465

Products: Storage water heaters, Hot-water storage tanks, Storage tanks,
Electric flow water heaters

Type designation: see Pages 2 to 7

The Engineering Test Institute, Public Enterprise, hereby certifies that the initial product type test of the products concerned has been performed in compliance with the requirements of Section 7 (2) of Government Regulation 163/2002 Coll. laying down technical requirements for selected construction products, as amended by Government Regulation 312/2005 Coll. and Government Regulation 215/2016 Coll., with a satisfactory result.

Normative documents applied:

Construction Technical Certificate 202-STO-B-00776-19 of 2019-01-07.

Certification scheme applied: ČSN EN ISO/IEC 17067:2014, Scheme 1a.

The present Certificate has been issued on the basis of Final Report on Initial Product Type Testing 30-14248/1/TZ of 2019-03-20, issued by the Engineering Test Institute, Public Enterprise. The Final Report contains the conclusions drawn from the assessment and the data essential for the product identification.

The Certificate is valid **until 2021-03-31** provided the holder does not violate the rules for using the Certificate.

This Certificate does not substitute for a relevant document issued by an authorized body.

The rules for using the Certificate are specified on Page 8.

Brno, 2019-03-25



B-00981-19 Page 1 (8)

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Ing. Aleš Onderek
zástupce ředitele



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Engineering Test Institute, public enterprise, Hudcova 424/56b, 621 00 Brno, Czech Republic

www.szutest.cz

Specification of the products:

Water heaters – OKC type series:

Product	Example of designation
Combined storage water heaters: suspended, vertical	
Area of exchanger 0.41 m ²	OKC 80
OKC 80	
Area of exchanger 0.7 m ²	OKC 100
OKC 100, 125, 160, 180, 200, 220	
Capacity: [l] 100, 125, 160, 180, 200, 220	
Electric storage water heaters: suspended, vertical	
OKCE 50, 80, 100, 125, 160, 180, 200, 220	OKCE 200
Capacity: [l] 50, 80, 100, 125, 160, 180, 200, 220	
Electric storage water heaters: S-stationary	
OKCE 100, 125, 160, 200, 250, 300, 350, 400, 450, 500, 750, 800, 1000 S/2,2 kW	OKCE 200 S/2.2 kW
OKCE 160, 200, 250, 300, 350, 400, 450, 500, 750, 800, 1000 S/3-6 kW	OKCE 200 S/3-6 kW
OKCE 160, 200, 250, 300, 350, 400, 450, 500, 750, 800, 1000 S/5-9 kW	OKCE 1000 S/5-9 kW
OKCE 160, 200, 250, 300, 350, 400, 450, 500, 750, 800, 1000 S/8-12 kW	OKCE 1000 S/8-12 kW
OKCE 160, 200, 250, 300, 350, 400, 450, 500, 750, 800, 1000, 1500, 2000, 2500, 3000, 4000 S	OKCE 1000 S
OKCE 160, 200, 250, 300, 350, 400, 450, 500, 750, 800, 1000, 1500, 2000, 2500, 3000, 4000 S/1 MPa	OKCE 1000 S/1 MPa
Capacity: [l] 100, 125, 160, 200, 250, 300, 350, 400, 450, 500, 750, 800, 1000, 1500, 2000, 2500, 3000, 4000	
Combined storage water heaters: horizontal	
OKCV 100, 125, 160, 180, 200, 220	OKCV 200
Capacity: [l] 100, 125, 160, 180, 200, 220	
Electric storage water heaters: horizontal	
OKCEV 100, 125, 160, 180, 200, 220	OKCEV 200
Capacity: [l] 100, 125, 160, 180, 200, 220	
Electric storage water heaters: suspended, vertical	
TO 20, 30	TO 20
Capacity: [l] 20, 30	
Hot-water storage tanks: suspended, vertical	
Area of exchanger 1 m ²	OKC 100 /1 m ²
OKC 100, 125, 160, 180, 200, 220/1 m ²	
OKC 200/1 m ² 2/4 kW	
Capacity: [l] 100, 125, 160, 180, 200, 220	
Hot-water storage tanks: horizontal	
OKCV 100, 125, 160, 180, 200, 220 NTR	OKCV 200 NTR
Capacity: [l] 100, 125, 160, 180, 200, 220	
Hot-water storage tanks: stationary	
OKC 30, 40, 50, 60, 80, 100, 125, 160, 200, 250 NTR	OKC 200 NTR
OKC 200, 250 NTRR	OKC 200 NTRR
OKC 30, 40, 50, 60, 80, 100, 125, 160, 200, 250, 300, 350, 400, 450, 500, 750, 1000 NTR/BP	OKC 200 NTR/BP
OKC 200, 250, 300, 350, 400, 450, 500, 750, 1000 NTRR/BP	OKC 200 NTRR/BP
OKC 200, 250, 300, 350, 400, 450, 500, 750, 800, 1000, 1500, 2000, 2500, 3000, 4000 NTR/1 MPa	OKC 500 NTR/1 MPa





Product		Example of designation
OKC	200, 250, 300, 350, 400, 450, 500, 750, 800, 1000, 1500, 2000, 2500, 3000, 4000 NTRR/1 MPa	
Capacity: [l]	30, 40, 50, 60, 80, 100, 125, 160, 200, 250, 300, 350, 400, 450, 500, 750, 1000, 1500, 2000, 2500, 3000, 4000	OKC 500 NTRR/1 MPa
Hot-water storage tanks: (upper outlets): stationary		
OKC	80, 100, 125, 160, 200, 250 NTR/HV	
Capacity: [l]	80, 100, 125, 160, 200, 250	OKC 200 NTR/HV
Hot-water storage tanks: Z-suspended, vertical		
OKC	30, 40, 50, 60, 80, 100, 125, 160, 200 NTR/Z	
Capacity: [l]	30, 40, 50, 60, 80, 100, 125, 160, 200	OKC 200 NTR/Z
Hot-water storage tanks: stationary		
With flange and additional el. heating element		
OKCE	80, 100, 125, 160, 200, 250, 300 NTR/2,2 kW	OKCE 200 NTR/2.2 kW
OKCE	200, 250, 300 NTRR/2,2 kW	OKCE 200 NTRR/2.2 kW
OKCE	300 NTR/ 3-6 kW	OKCE 300 NTR/ 3-6 kW
OKCE	300 NTRR/3-6 kW	
Capacity: [l]	80, 100, 125, 160, 200, 250, 300	OKCE 300 NTRR/3-6 kW
Hot-water storage tanks: stationary		
OKC	200, 250, 300, 350, 400, 450, 500, 750, 1000 NTR/SOLAR SET	OKC 200 NTR/SOLAR SET
OKC	200, 250, 300, 400, 500, 750, 1000 NTRR/SOLAR SET	OKC 200 NTRR/SOLAR SET
OKC	160, 200, 250, 300, 350, 400, 450, 500 NTR/SOL	OKC 500 NTR/SOL
OKC	160, 200, 250, 300, 350, 400, 450, 500 NTRR/SOL	
Capacity: [l]	160, 200, 250, 300, 350, 400, 450, 500, 750, 1000	OKC 500 NTRR/SOL
Hot-water storage tanks: stationary		
OKC	160, 200, 250, 300, 400, 500 NTR/HR	OKC 200 NTR/HR
OKC	160, 200, 250, 300, 400, 500 NTRR/HR	
Capacity: [l]	160, 200, 250, 300, 400, 500	OKC 200 NTRR/HR
Hot-water storage tanks: stationary		
OKC	160, 200, 250, 300, 400, 500, 600, 750, 800, 900, 1000, 1250, 1500 NTR/HP	
Capacity: [l]	160, 200, 250, 300, 400, 500, 600, 750, 800, 900, 1000, 1250, 1500	OKC 200 NTR/HP

OKC...NTR(NTRR)/HR storage tank is a combination of the water heater (upper location) and storage tank (hydraulic distributor – HR, lower location).

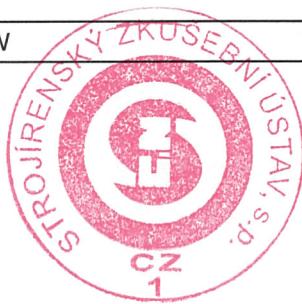
The storage tank capacity is 50, 80, 100, 120, 160, 200, 250, 300 l.

OKC...NTR (NTRR)/HR storage tanks' label state the information on the capacity as follows: Water heater capacity/Storage tank capacity (e.g. OKC 200 NTR/HR 100).



Water heaters – OKC type series:

Product	Example of designation
Combined storage water heaters: suspended, vertical	
Area of exchanger 0.41 m ²	OKH 80
OKH 80	
Area of exchanger 0.7 m ²	OKH 100
OKH 100, 125, 160, 180, 200, 220	
Capacity: [l] 80, 100, 125, 160, 180, 200, 220	
Electric storage water heaters: suspended, vertical	
OKHE 50, 80, 100, 125, 160, 180, 200, 220	OKHE 200
Capacity: [l] 50, 80, 100, 125, 160, 180, 200, 220	
Electric storage water heaters: S-stationary	
OKHE 80, 100, 125, 160, 200, 250 S/2,2 kW	OKHE 200 S/2.2 kW
OKHE 80, 100, 125, 160, 200, 250 S/3-6 kW	OKHE 200 S/3-6 kW
Capacity: [l] 80, 100, 125, 160, 200, 250	
Combined storage water heaters: horizontal	
OKHV 100, 125, 160, 180, 200, 220	OKHV 200
Capacity: [l] 100, 125, 160, 180, 200, 220	
Electric storage water heaters: horizontal	
OKHEV 100, 125, 160, 180, 200, 220	OKHEV 200
Capacity: [l] 100, 125, 160, 180, 200, 220	
Hot-water storage tanks suspended, vertical	
Area of exchanger 1 m ²	OKH 100/1 m ²
OKH 100, 125, 160, 180, 200, 220/1 m ²	
Capacity: [l] 80, 100, 125, 160, 180, 200, 220	
Hot-water storage tanks: stationary	
OKH 80, 100, 125, 160, 200, 250 NTR/HV	OKH 100 NTR/HV
Capacity: [l] 80, 100, 125, 160, 200, 250	
Hot-water storage tanks: horizontal	
OKHV 100, 125, 160, 180, 200, 220 NTR	OKHV 200 NTR
Capacity: [l] 100, 125, 160, 180, 200, 220	
Hot-water storage tanks: stationary	
OKH 30, 40, 50, 60, 80, 100, 125, 160, 200, 250 NTR	OKH 200 NTR
OKH 200, 250 NTRR	OKH 200 NTRR
Capacity: [l] 30, 40, 50, 60, 80, 100, 125, 160, 200, 250	
Hot-water storage tanks: stationary	
OKH 100, 125, 160, 200, 250 NTR/BP	OKH 200 NTR/BP
OKH 200, 250, NTRR/BP	OKH 200 NTRR/BP
Capacity: [l] 100, 125, 160, 200, 250	
Hot-water storage tanks: Z-suspended, vertical	
OKH 30, 40, 50, 60, 80, 100, 125, 160, 200 NTR/Z	OKH 200 NTR/Z
Capacity: [l] 30, 40, 50, 60, 80, 100, 125, 160, 200	
Hot-water storage tanks: stationary	
Additional el. heating element	OKHE 200 NTR/2.2 kW
OKHE 80, 100, 125, 160, 200, 250 NTR/2.2 kW	





Product	Example of designation
OKHE 200, 250 NTRR/2,2 kW	OKHE 200 NTRR/2.2 kW
Capacity: [l] 80, 100, 125, 160, 200, 250	

TO 5 UP, TO 10 UP, TO 15 UP – Pressure storage water heaters (connection above the supply point).
Capacity: 5, 10, 15 l

TO 5 IN, TO 10 IN, TO 15 IN, TO 30 IN – Pressure storage water heaters (connection under the supply point).
Capacity: 5, 10, 15, 30 l

BTO 5 UP, BTO 10 UP – Pressureless storage water heaters (connection above the supply point).
Capacity: 5, 10 l

BTO 5 IN, BTO 10 IN – Pressureless storage water heaters (connection under the supply point).
Capacity: 5, 10 l

PTO 0733, PTO 1733, PTO 2733, PTO 3733 – Electric flow water heaters

Water heaters – SMART type series:

Product	Type designation
Combined storage water heaters: suspended, vertical	
Area of exchanger 0.7 m ²	
OKC 100, 125, 160, 180, 200, 220	OKC 100 SMART
Capacity: [l] 100, 125, 160, 180, 200, 220	
Electric storage water heaters: suspended, vertical	
OKCE 50, 80, 100, 125, 160, 180, 200, 220	OKCE 200 SMART
Capacity: [l] 50, 80, 100, 125, 160, 180, 200, 220	
Electric storage water heaters: S-stationary	
OKCE 100, 125, 160, 200, 250, 300, 400, 500, 750, 800, 1000 S/2,2 kW	OKCE 200 S/2.2 kW SMART
OKCE 160, 200, 250, 300, 400, 500, 750, 800, 1000 S/3-6 kW	OKCE 200 S/3-6 kW SMART
OKCE 160, 200, 250, 300, 400, 500, 750, 800, 1000 S/5-9 kW	OKCE 1000 S/5-9 kW SMART
OKCE 160, 200, 250, 300, 400, 500, 750, 800, 1000 S/8-12 kW	OKCE 1000 S/8-12 kW SMART
OKCE 200, 250, 300, 400, 500, 750, 800, 1000, 1500, 2000, 2500, 3000, 4000 S	OKCE 1000 S SMART
OKCE 200, 250, 300, 400, 500, 750, 800, 1000, 1500, 2000, 2500, 3000, 4000 S/1 MPa	OKCE 1000 S/1 MPa SMART
Capacity: [l] 100, 125, 160, 200, 250, 300, 400, 500, 750, 800, 1000, 1500, 2000, 2500, 3000, 4000	
Combined storage water heaters: horizontal	
OKCV 100, 125, 160, 180, 200, 220	OKCV 200 SMART
Capacity: [l] 100, 125, 160, 180, 200, 220	
Electric storage water heaters: horizontal	
OKCEV 100, 125, 160, 180, 200, 220	OKCEV 200 SMART
Capacity: [l] 100, 125, 160, 180, 200, 220	
Electric storage water heaters: suspended, vertical	
TO 20, 30	TO 20 SMART
Capacity: [l] 20, 30	
Hot-water storage tanks: suspended, vertical	
Area of exchanger 1 m ²	OKC 100/1 m ² SMART
OKC 100, 125, 160, 180, 200, 220/1 m ²	
Capacity: [l] 100, 125, 160, 180, 200, 220	

Product	Type designation
Hot-water storage tanks: stationary	
With flange and additional el. heating element	OKCE 200 NTR/2.2 kW SMART
OKCE 80, 100, 125, 160, 200, 250, 300 NTR/2.2 kW	
OKCE 200, 250, 300 NTRR/2.2 kW	OKCE 200 NTRR/2.2 kW SMART
OKCE 300 NTR/ 3-6 kW	OKC 300 NTR/ 3-6 kW SMART
OKCE 300 NTRR/3-6 kW	OKC 300 NTRR/3-6 kW SMART
Capacity: [l] 80, 100, 125, 160, 200, 250, 300	
Hot-water storage tanks: suspended, vertical	
Area of exchanger 0.41 m ²	OKH 80 SMART
OKH 80	
Area of exchanger 0.7 m ²	OKH 100 SMART
OKH 80, 100, 125, 160, 180, 200, 220	
Area of exchanger 1 m ²	OKH 100/1 m ² SMART
OKH 80, 100, 125, 160, 180, 200, 220/1 m ²	
Capacity: [l] 80, 100, 125, 160, 180, 200, 220	
Electric storage water heaters: suspended, vertical	
OKHE 50, 80, 100, 125, 160, 180, 200, 220	OKHE 200 SMART
Capacity: [l] 50, 80, 100, 125, 160, 180, 200, 220	
Electric storage water heaters: S-stationary	
OKHE 80, 100, 125, 160, 200, 250 S/2.2 kW	OKHE 200 S/2.2 kW SMART
OKHE 80, 100, 125, 160, 200, 250 S/3-6 kW	OKHE 200 S/3-6 kW SMART
Capacity: [l] 80, 100, 125, 160, 200, 250	
Combined storage water heaters: horizontal	
OKHV 100, 125, 160, 180, 200, 220	OKHV 200 SMART
Capacity: [l] 100, 125, 160, 180, 200, 220	
Electric storage water heaters: horizontal	
OKHEV 100, 125, 160, 180, 200, 220	OKHEV 200 SMART
Capacity: [l] 100, 125, 160, 180, 200, 220	OKHEV 200 SMART
Hot-water storage tanks: stationary	
Additional el. heating element	OKHE 200 NTR/2.2 kW SMART
OKHE 80, 100, 125, 160, 200, 250 NTR/2.2 kW	
OKHE 200, 250 NTRR/2.2 kW	OKHE 200 NTRR/2.2 kW SMART
Capacity: [l] 80, 100, 125, 160, 200, 250	
Accessories: TPK-heating flange with ceramic elements, TJ-screw heating unit	
TPK 150-8/1.5 kW	TJ 6/4"- 2 kW
TPK 150-8/2.2 kW	TJ 6/4"- 2.5 kW
TPK 168-8/2.2 kW	TJ 6/4"- 3.3 kW
TPK 210-12/2.2 kW	TJ 6/4"- 3.75 kW
TPK 210-12/3-6 kW	TJ 6/4"- 4.5 kW
TPK 210-12/6.6 kW	TJ 6/4"- 6 kW
TPK 210-12/5-9 kW	TJ 6/4"- 7.5 kW
TPK 210-12/8-12 kW	TJ 6/4"- 9 kW





Storage tanks – type series:

Product							Type designation
Storage tanks: stationary (design v1 to v20)							
NAD	40, 50, 80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 750, 800, 900, 1000, 1250, 1500, 2000, 2500, 3000, 4000 (v1 - v20)						NAD 400
UKV	200, 250, 300, 350, 400, 450, 500						UKV 400
NADO	50, 80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 750, 800, 900, 1000, 1250, 1500, 2000, 2500, 3000, 4000 (v1 - v20)						NADO 400
NADE	50, 80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 750, 800, 900, 1000, 1250, 1500, 2000, 2500, 3000, 4000 (v1 - v20)						NADE 400
NADOE	50, 80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 750, 800, 900, 1000, 1250, 1500, 2000, 2500, 3000, 4000 (v1 - v20)						NADOE 400
NADS	50, 80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 750, 800, 900, 1000, 1250, 1500, 2000, 2500, 3000, 4000 (v1 - v20)						NADS 400
NADOS	50, 80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 750, 800, 900, 1000, 1250, 1500, 2000, 2500, 3000, 4000 (v1 - v20)						NADOS 400
Capacity: [l]	50, 80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 750, 800, 900, 1000, 1250, 1500, 2000, 2500, 3000, 4000 (v1 - v20)						

V1 to V20 versions differ in inside diameters and location of coupling sleeves according to customer requirements (not applicable for UKV storage tanks).

NADO, NADOE tanks simultaneously serve to heating of service water through the built-in tank (tank in the tank) located in the interior space of the tank. The capacity of the tank is 10, 15, 20, 25, 35, 45, 60, 100, 120, 140, 160, 200, 250, 300, 350, and 400 l depending on the storage tank capacity.

Water storage tanks – type series:

Product		Type designation
Water storage tanks: Units with storage tanks		
Hot-water storage tank capacity	Equalizing storage tank capacity	
HMTM	200, 250, 300, 400	40, 50, 60, 70, 80
HMTS-6	200, 250, 300, 400	40, 50, 60, 70, 80
HMTS-8-12	200, 250, 300, 400	40, 50, 60, 70, 80
HMTS-16	200, 250, 300, 400	40, 50, 60, 70, 80
Water storage tanks: Units without storage tanks		
Type according to heat pump capacity		
HMM	6-12, 12-20	-
HMS	6, 8-12, 16	-
HM – hydraulic module, T – hot water, M – monoblock, S – split		



RULES FOR USING THE CERTIFICATE

For the purposes of placing the products on the market, this Certificate may be used within the period of its validity and provided the provisions of the standards, according to which the products have been certificated, remain valid. If the normative documents applicable to the certificated products have changed or new normative documents have been issued, the usability of this Certificate must be reviewed.

This Certificate may only be used as a certificate for the products specified on Pages 1 to 7. This also applies to its use in advertising, promotional and commercial materials. Unauthorised or deceptive use of the Certificate may result in its withdrawal.

It is prohibited to change, amend or overwrite the data contained in the Certificate.

The Certificate may not be used for the products changed without consent of the Engineering Test Institute, Public Enterprise, in such a way that conformity with the standards specified on Page 1 has been affected.

Certification Body requires the holder of this Certificate to keep records of all the complaints and corrective actions relating to the products covered by this Certificate.

