



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

CERTIFICATE

B-30-00322-17

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

Company ID no.: 45148465

Products: 1. Storage water heaters
2. Storage tanks

Type designation: see Pages 2 to 7

These products have been certified within the meaning of Section 10 of Act 22/1997 Coll., on technical requirements for products and on amendments to certain Acts, as amended. The Engineering Test Institute, Public Enterprise, hereby certifies that the characteristics of the samples of the products concerned have been found conforming to the requirements specified in

Construction Technical Certificate STO-30-00299-17 of 2017-03-21.

Fulfilment of these requirements is considered to be fulfilment of the essential requirements of Government Regulation 163/2002 Coll., as amended by Government Regulation 312/2005 Coll. and Government Regulation 215/2016 Coll.

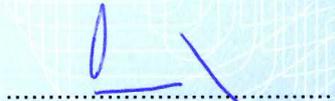
The present Certificate has been issued on the basis of Final Report on Initial Product Type Testing 30-13340 of 2017-03-28, issued by the Engineering Test Institute, Public Enterprise. The period of validity of the Certificate is limited by the validity of the Final Report on Initial Product Type Testing, i.e. valid until 2019-03-31.

Certification scheme applied: Government Regulation 163/2002 Coll., Section 7.

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

Brno, 2017-03-28




Ing. Aleš Onderek
Deputy Director

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

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Specification of types and versions:

1. 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	
Area of exchanger 1 m ²	OKC 100 /1 m ²
OKC 100, 125, 160, 180, 200, 220/1 m ²	
Capacity: [] 100, 125, 160, 180, 200, 220	
Electric storage water heaters: suspended, vertical	
OKCE 50, 80, 100, 125, 160, 180, 200, 220	OKCE 200
Capacity: [] 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: [] 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: [] 100, 125, 160, 180, 200, 220	
Electric storage water heaters: horizontal	
OKCEV 100, 125, 160, 180, 200, 220	OKCEV 200
Capacity: [] 100, 125, 160, 180, 200, 220	
Electric storage water heaters: suspended, vertical	
TO 20, 30	TO 20
Capacity: [] 20, 30	
Indirect storage water heaters: horizontal	
OKCV 100, 125, 160, 180, 200, 220 NTR	OKCV 200 NTR
Capacity: [] 100, 125, 160, 180, 200, 220	
Indirect storage water heaters: 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





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

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



Water heaters – OKH 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	
Area of exchanger 1 m ²	OKH 100/1 m ²
OKH 100, 125, 160, 180, 200, 220/1 m ²	
Capacity: 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: 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: 80, 100, 125, 160, 200, 250 []	
Combined storage water heaters: horizontal	
OKHV 100, 125, 160, 180, 200, 220	OKHV 200
Capacity: 100, 125, 160, 180, 200, 220 []	
Electric storage water heaters: horizontal	
OKHEV 100, 125, 160, 180, 200, 220	OKHEV 200
Capacity: 100, 125, 160, 180, 200, 220 []	
Indirect storage water heaters: stationary	
OKH 80, 100, 125, 160, 200, 250 NTR/HV	OKH 100 NTR/HV
Capacity: 80, 100, 125, 160, 200, 250 []	
Indirect storage water heaters: horizontal	
OKHV 100, 125, 160, 180, 200, 220 NTR	OKHV 200 NTR
Capacity: 100, 125, 160, 180, 200, 220 []	
Indirect storage water heaters: stationary	
OKH 30, 40, 50, 60, 80, 100, 125, 160, 200, 250 NTR	OKH 200 NTR
OKH 200, 250 NTRR	OKH 200 NTRR
Capacity: 30, 40, 50, 60, 80, 100, 125, 160, 200, 250 []	
Indirect storage water heaters: stationary	
OKH 100, 125, 160, 200, 250 NTR/BP	OKH 200 NTR/BP
OKH 200, 250, NTRR/BP	OKH 200 NTRR/BP
Capacity: 100, 125, 160, 200, 250 []	
Indirect storage water heaters: Z-suspended, vertical	
OKH 30, 40, 50, 60, 80, 100, 125, 160, 200 NTR/Z	OKH 200 NTR/Z
Capacity: 30, 40, 50, 60, 80, 100, 125, 160, 200 []	





Product	Example of designation
Indirect storage water heaters: stationary	
Additional el. heating element	OKHE 200 NTR/2,2 kW
OKHE 80, 100, 125, 160, 200, 250 NTR/2,2 kW	
OKHE 200, 250 NTRR/2,2 kW	OKHE 200 NTRR/2,2 kW
Capacity: [I] 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

Water heaters – SMART type series:

Product	Example of designation
Combined storage water heaters: suspended, vertical	
Area of heating element 0.7 m ²	OKC 100 SMART
OKC 80, 100, 125, 160, 180, 200, 220	
Area of heating element 1 m ²	OKC 100/1 m ² SMART
OKC 100, 125, 160, 180, 200, 220/1 m ²	
Capacity: [I] 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: [I] 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: [I] 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: [I] 100, 125, 160, 180, 200, 220	

Product		Example of designation
Electric storage water heaters: horizontal		
OKCEV 100, 125, 160, 180, 200, 220		OKCEV 200 SMART
Capacity: [I] 100, 125, 160, 180, 200, 220		
Electric storage water heaters: suspended, vertical		
TO 20, 30		TO 20 SMART
Capacity: [I] 20, 30		
Indirect storage water heaters: 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: [I] 80, 100, 125, 160, 200, 250, 300		
Combined storage water heaters: 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: [I] 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: [I] 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: [I] 80, 100, 125, 160, 200, 250		
Combined storage water heaters: horizontal		
OKHV 100, 125, 160, 180, 200, 220		OKHV 200 SMART
Capacity: [I] 100, 125, 160, 180, 200, 220		
Electric storage water heaters: horizontal		
OKHEV 100, 125, 160, 180, 200, 220		OKHEV 200 SMART
Capacity: [I] 100, 125, 160, 180, 200, 220		
Indirect storage water heaters: 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: [I] 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	





Product		Example of designation	
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

2. Storage tanks – type series:

Product		Example of designation
Storage tanks: stationary (design v1 to v10)		
NAD	50, 80, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 750, 800, 900, 1000, 1250, 1500, 2000, 2500, 3000, 4000 v1 (v2 - 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 (v2 - 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 (v2 - 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 (v2 - 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 (v2 - 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 (v2 - 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 (v2 - 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.



RULES FOR USING THE CERTIFICATE:

Compliance with essential requirements of Government Regulation 163/2002 Coll., as amended, has been derived from fulfilment of the requirements set out in the Construction Technical Certificate. The facts and the conditions, under which the present Certificate has been issued, may change due to amendments of harmonized or determined standards, issuance of new standards applicable to the certified products or due to expiration of the Construction Technical Certificate validity. In that case, the usability of the Certificate for the purposes of issuing declarations of conformity for the products being placed on the market must be reviewed.

This Certificate may only be used as a certificate for the products specified on Pages 1 and 7. This also applies to its use in advertising, promotional and commercial materials. Unauthorised or deceptive use of the Certificate may be sanctioned (Section 19 of Act 22/1997 Coll., on technical requirements for products and on the amendment to certain Acts, as amended).

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 the consent of the Engineering Test Institute, Public Enterprise, in such a way that conformity with the technical requirements specified on Page 1 has been affected.

