ACCESSORIES

ACCESSORIES & HEATING INSTALLATIONS FOR AE FREE-STANDING TANKS

Austria Email

ACCESSORIES & HEATING INSTALLATIONS

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OUR ADDITIONAL SALES PROGRAMME:

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- High-performance storage, multi-purpose storage, multi-purpose, solar and major multi-purpose tanks
- Double shell tanks, boilers and free-standing tanks
- Electric direct heating units and storage heaters for domestic and industrial purposes
- Hair and hand dryers

Ask your specialised dealer or request the documentation from us.

The heating installations and accessories offered by our company are particularly suitable for installation in our free-standing tank series as well as in double shell units. Due to the special design, however, these units may also be installed in foreign makes with enamelled, plastic-coated or hot-dip galvanised boilers. A combination with CrNi (NIRO) boilers is problematic and therefore not recommended. For the purpose of installation in enamelled boilers, our built-in heating units, screw-mounted heaters and built-in ribbed tube heat exchangers are designed using structurally isolated heaters or ribbed tube heating packs in conjunction with a guard circuit shunt resistor and are therefore in compliance with the state of the art, particularly with regard to the corrosion protection of enamelled boilers. All heating installations are suitable for pressure-proof operation and the heating up of drinking and heating water up to a maximum operating pressure of 10 bar.

HOT WATER CONSUMPTION OVERIEW

Domestic hot water consumption depends on the number of persons, the sanitary facilities, the apartment or house and the individual habits of the consumer.
The following table provides a few standard values regarding consumption figures.

The temperature of the cold water required for mixing up to the specified hot water temperature was assumed as being at approx. 12°C.
The hot water tanks produced by Austria Email are thermally insulated using environmentally-friendly (CFC-free) PU foam. Of course, all electrical mounting parts are tested by the ÖVE [Austrian Association of Electrical Engineering]. An Austria-wide service by our in-house customer service is guaranteed.

	Hot water demand in litres		Required tank water quantity in litres	
	at 37°C	at 50°C	at 80°C	at 60°C
Full bath	150 - 180		55 - 66	78 - 94
Shower	30 - 50		11 - 18	16 - 26
Washing hands	3 - 6		1 - 2	1,6 - 3,1
Hair wash (short hair)	6 - 12		3 - 4,4	4,2 - 6,3
Hair wash (long hair)	10 - 18		3,7 - 6,6	5,2 - 9,4
Use of bidet	12 - 15		4,4 - 5,5	6,3 - 7,8
Washing dishes				
for 2 persons per day		16	10	14
for 3 persons per day		20	13,5	18
for 4 persons per day		24	15,2	21,5
House cleaning				
per bucket of cleaning water		10	6,3	9

SCREW-MOUNTED HEATERS SERIES SH

The screw-mounted heaters of the series SH are designed for the additional heating or emergency heating of water in sealed containers. You should use a built-in electric heating unit with a flange of the series »R« as main electric heating. See page 4. A combination with CrNi (NIRO) boilers is problematic and therefore not recommended. If a screw-mounted heater is used as main electric heating in calciferous water at temperatures over 65°C, then cleaning (decalcification) in appropriate time intervals must be taken into account.
Operating pressure max. 10 bar.
Model for heating of water using a built-in isolated Incoloy tubular heating unit with guard circuit shunt resistor.
MS screw head R 1½".
Simple retrofitting of hot water tanks with screw-mounted coupling sleeves: 1½" (resp. 2" with reduction). Simple pre-selection of temperature using the thermostat that is operable from outside. Setting range 15 – 75°C. Precautions must be made that no temperature rise above 95°C occurs due to the influence of external sources of energy. All-pole safety temperature limiter with reclosure preventing device.
Black plastic covering cap, mounted rotational.
Built-in seal enclosed, sealing possible using hemp or Teflon tape.

INFORMATION FOR INSTALLATION:

- The heating unit and the sensor protection tube must be fully surrounded by sufficient water during operation. The thermally-induced flow of water must not be obstructed.
- Fitting position – horizontal, whereby the 1½" coupling must not be longer than max. 100 mm. A space must be kept free in front of the built-in coupling (fitting length +50 mm) for assembly, etc.

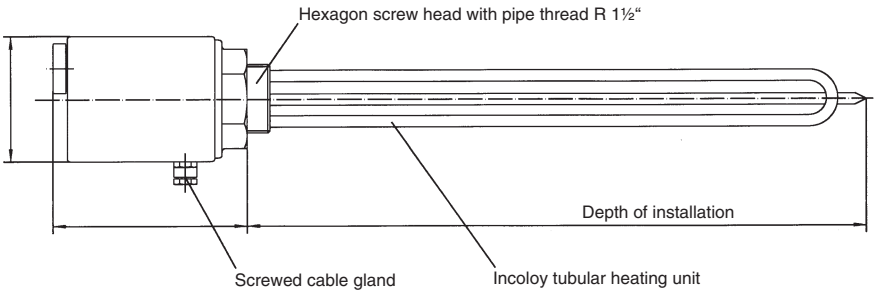
ACCESSORIES

Reduction R 1½" – R 2" brass, hexagon, counternut 1½" brass.
See page 8.


Screw-mounted heater

POWER CONNECTION:

The installed automatic controlling devices switch directly at ~ 230 V up to 3 kW, at 3 ~ 400 V up to 9 kW.

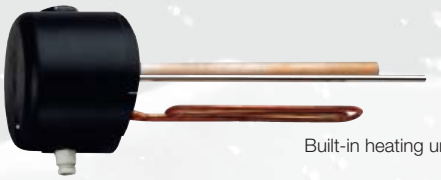


TECHNICAL DATA

Article no.	Model	Output kW	Supply voltage V	Depth of installation (in mm) from seal	Unheated zone (in mm)	Fitting position horizontal
A 90721	SH - 1,5	1,5	~ 230	320	100	■
A 90722	SH - 2,0	2,0	3 ~ 400 changeable ~ 230	320	100	■
A 90723	SH - 2,5	2,5	3 ~ 400 changeable ~ 230	390	100	■
A 90724	SH - 3,0	3,0	3 ~ 400 changeable ~ 230	390	100	■
A 90725	SH - 3,8	3,75	3 ~ 400	430	100	■
A 90726	SH - 4,5	4,5	3 ~ 400	470	100	■
A 90727	SH - 6,0	6,0	3 ~ 400	620	100	■
A 90728	SH - 7,5	7,5	3 ~ 400	720	100	■
A 90729	SH - 9,0	9,0	3 ~ 400	780	100	■

BUILT-IN ELECTRIC HEATING UNITS SERIES R, K AND T

The built-in heating units of the series R, K and T are suitable for a maximum operating pressure of 10 bar and, depending on capacity, consist of an appropriate number of high-quality tubular heating units, which are mounted on a flange plate by means of a guard circuit shunt resistor, fitted in an isolated manner. An externally adjustable thermostat controls the heating capacity. Furthermore, each built-in heating unit is equipped with a safety temperature limiter, which switches off the heating capacity all-pole in any case of failure of the temperature control. The complete wiring, automatic controlling devices and supply terminals are protected by a black plastic covering cap. Based on the desired cpacity and fitting position, the available fitting length and the required heating assemblies, the necessary type of built-in heating unit can be selected from the tables shown overleaf. A combination with CrNi (NIRO) boilers is problematic and therefore not recommended.



Built-in heating unit

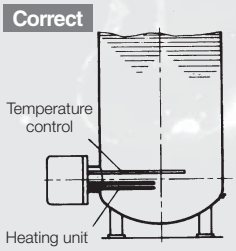
INFORMATION FOR INSTALLATION:

- The heating unit and the sensor protection tube must be fully surrounded by sufficient water during operation. The thermally-induced flow of water must not be obstructed.
- Fitting position
- The flange must not be longer than max. 130 mm, so that the thermometer and the heating unit still project into the hot water tank sufficiently.
- The built-in heating unit must be installed as far down as possible in the boiler, in order to heat up the entire boiler contents equally. Thereby, it is not of importance whether the heating elements reach across the full fitting depth available.
- A space must be kept free in front of the boiler flange (fitting length + 100 mm) for assembly, etc.
- The function is impaired by the formation of boiler scale. Appropriate measures must be taken in the case of heavily calciferous water: e.g. lowering of temperature, installation of a softening system, removal of boiler scale.
- In the case of enamelled boilers (foreign makes) without standard protective anode or if the anode is mounted on the blind flange, which is replaced by the built-in heating unit, the anode protection must be implemented in accordance with the manufacturer's specifications.
- Precautions must be made that no temperature rise above 95°C occurs due to the influence of external sources of energy.

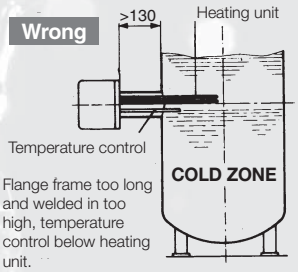
A) HORIZONTAL INSTALLATION

Permissible for all models

Correct



Wrong

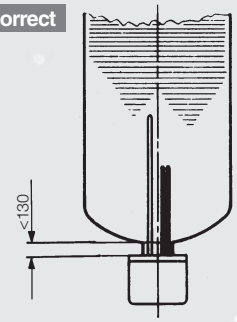


Flange frame too long and welded in too high, temperature control below heating unit.

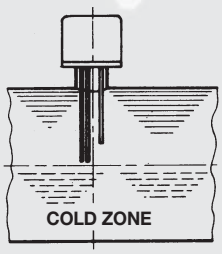
B) VERTICAL INSTALLATION FROM BELOW

Only permissible for models REU 18..., RDU 18...

Correct

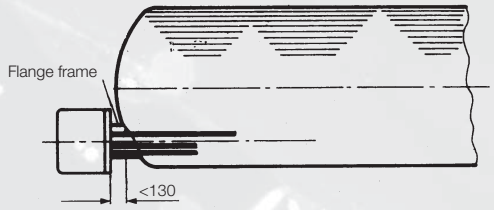


Wrong Built-in heating unit installed too high and in wrong position (protective cap on top).

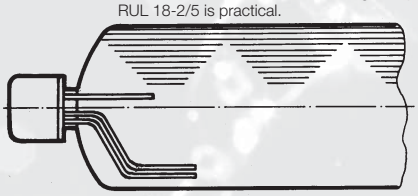


C) HORIZONTAL INSTALLATION IN HORIZONTAL TANKS

Correct all models are permissible in case of horizontal tanks with eccentric flange.

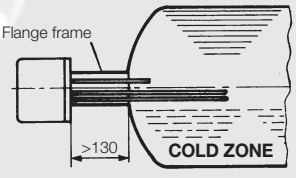


for horizontal tanks with central flange, only model RUL 18-2/5 is practical.



Wrong

Flange frame too long and welded-in too high.



TECHNICAL DATA
BUILT-IN ELECTRIC HEATING UNITS

Flange diameter 180 mm (REU 18, RDU 18, RSW 18, RUL 18, KDW 1, TDW 1)
Flange diameter 240 mm, only for horizontal installation (RDW 2, RSW 2)
Height of protective cap: 150 mm with diameter 240 mm, 120 mm with diameter 180 mm
Drip-proof design. Setting range of temperature selector: progressively adjustable from 15°C to approx. 85°C.
The appropriate flange seal is enclosed.

REU: single-phase model for direct connection ~ 230 volt with protective anode.
RDU: three-phase model for direct connection 3 ~ 400 volt with protective anode.
RSW: for horizontal installation, three-phase model for contactor control.
RUL: for horizontal tanks with central flange, model with changeable connection for direct connection with protective anode.
RDW: for horizontal installation only, three-phase model for direct connection, heating capacities with changeable connections in the case of RDW 2-9.
KDW: for horizontal installation only, three-phase model for direct connection, heating capacities with changeable connections, for collar flange installation.
TDW: for horizontal installation only, three-phase model for direct connection, heating capacities with changeable connections, for pot flange installation.
RSW: for horizontal installation only, three-phase model for contactor control 3 ~ 400 volt, heating capacities with changeable connections.

CAUTION DURING POWER CONNECTION:

The built-in heating models REU, RDU, RUL, RDW, KDW and TDW can be connected directly to the mains supply. In the case of the built-in heating models RSW, a contactor must be provided in the distribution panel that switches the voltage for the heating unit via the temperature controller installed in the built-in heating unit by means of a trip line.

ACCESSORIES:

Boiler flange with frame, unworked, model KFZ 180 - 8, KFZ 240 - 12, intermediate flange, enamelled, model 8710, flange screw M12 x 35. See page 8.

Article no.	Model	Rated power	Rated voltage	Switch		Number of heating units	Switch group			Fitting length	Assembly option			Flange diameter
					Via external protector		1	2	3		Hori-zontal	Vertical from below	Only in horizon-tal tank	
		kW	V	Direct			kW	kW	kW	mm				mm
A 90225	REU 18 - 1,7	1,7	~ 230	■		1	1,7			430	■	■		180
A 90226	REU 18 - 2,0	2,0	~ 230	■		1	2			430	■	■		180
A 90227	REU 18 - 2,5	2,5	~ 230	■		1	2,5			430	■	■		180
A 90228	REU 18 - 3,3	3,3	~ 230	■		1	3,3			430	■	■		180
A 90229	RDU 18 - 2,5	2,5	3 ~ 400	■		3	2,5			430	■	■		180
A 90230	RDU 18 - 3,0	3,0	3 ~ 400	■		3	3			430	■	■		180
A 90231	RDU 18 - 3,8	3,8	3 ~ 400	■		3	3,8			430	■	■		180
A 90232	RDU 18 - 5,0	5,0	3 ~ 400	■		3	5			430	■	■		180
A 90233	RDU 18 - 6,0	6,0	3 ~ 400	■		3	6			430	■	■		180
A 90234	RDW 18 - 7,5	7,5	3 ~ 400	■		3	7,5			430	■			180
A 90235	RDW 18 - 10,0	9,9	3 ~ 400	■		3	9,9			430	■			180
A 90261	KDW 1 - 4,0	4,0	3 ~ 400	■		3	2,0	2,7	4,0	375	■			180
A 90262	KDW 1 - 6,0	6,0	3 ~ 400	■		3	3,0	4,0	6,0	375	■			180
A 90263	KDW 1 - 8,0	8,0	3 ~ 400	■		3	4,0	5,0	8,0	440	■			180
A 90264	KDW 1 - 10,0	10,0	3 ~ 400	■		3	5,0	6,5	10,0	530	■			180
A 90250	TDW 1 - 4,0	4,0	3 ~ 400	■		3	2,0	2,7	4,0	375	■			180
A 90251	TDW 1 - 6,0	6,0	3 ~ 400	■		3	3,0	4,0	6,0	375	■			180
A 90252	TDW 1 - 8,0	8,0	3 ~ 400	■		3	4,0	5,0	8,0	440	■			180
A 90253	TDW 1 - 10,0	10,0	3 ~ 400	■		3	5,0	6,5	10,0	530	■			180
A 90236	RSW 18 - 12,0	12,0	3 ~ 400		■	3	12			530	■			180
A 90237	RSW 18 - 15,0	15,0	3 ~ 400		■	3	15			630	■			180
A 90238	RUL 18 - 2/5	2,0	~ 230	■		3	2			500	■		■	180
	changeable	2,65	~ 230	■		3	2,65			500	■		■	180
	to...	4,1	3 ~ 400	■		3	4,1			500	■		■	180
		4,65	3N ~ 400	■		3	4,65			500	■		■	180
A 90202	RDW 2 - 9 U	6,0	3 ~ 400	■		6	6			430	■			240
	changeable	7,5	3 ~ 400	■		6	7,5			430	■			240
	to...	9,0	3 ~ 400	■		6	9			430	■			240
A 90204	RSW 2-24 U	12,0	3 ~ 400		■	6	12			530	■			240
	changeable	16,0	3 ~ 400		■	6	12	4		530	■			240
	to...	24,0	3 ~ 400		■	6	12	12		530	■			240
A 90205	RSW 2 - 45 U	20,0	3 ~ 400		■	9	15		5	630	■			240
	changeable	30,0	3 ~ 400		■	9	15	15		630	■			240
	to...	35,0	3 ~ 400		■	9	15	15	5	630	■			240
		45,0	3 ~ 400		■	9	15	15	15	630	■			240

Auxiliary for determination of connected wattage (kW, built-in heating model) in the case of heating-up from 10°C to 85°C (reduction factor in the case of heating-up from 10°C to 65°C, table value x 0.73). Flange frame at lowest point of boiler.

Heating time	Boiler content to be heated up													
	150 l		200 l		250 l		300 l		500 l		800 l		1000 l	
	kW	R...Model	kW	R...Model	kW	R...Model	kW	R...Model	kW	R...Model	kW	R...Model	kW	R...Model
8	1,7	REU 18 - 1,7	2,3	REU 18 - 2,5	2,9	REU 18 - 3,3	3,5	RDU 18 - 3,8	5,7	RDU 18 - 6,0	9,1	RDW 2-9 U	11,5	RSW 2 - 24 U
				RDU 18 - 2,5		RDU 18 - 3,0								
6	2,3	REU 18 - 2,5	3,1	REU 18 - 3,3	3,8	RDU 18 - 3,8	4,6	RDU 18 - 5,0	7,5	RDW 18 - 7,5	11,7	RSW 2-24 U	15,1	RSW 2 - 24 U
		RDU 18 - 2,5		RDU 18 - 3,0										
4	3,4	RDU 18 - 3,8	4,6	RDU 18 - 5,0	5,7	RDU 18 - 6,0	6,8	RDW 18 - 7,5	11,3	RSW 18 - 12,0	18,1	RSW 2 - 45 U	22,7	RSW 2 - 24 U
3 ½	4,1	RDU 18 - 5,0	5,5	RDU 18 - 6,0	6,8	RDU 18 - 7,5	8,2	RDW 18 - 10,5	13,6	RSW 18 - 15,0	21,8	RSW 2 - 24 U	27,2	RSW 2 - 45 U

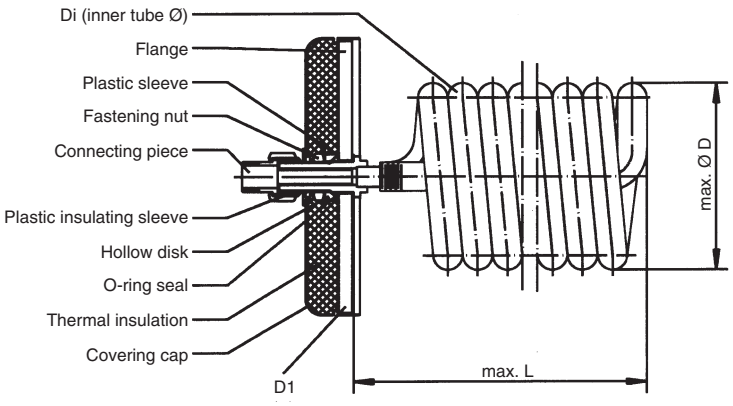
BUILT-IN RIBBED TUBE HEAT EXCHANGERS SERIES RWT

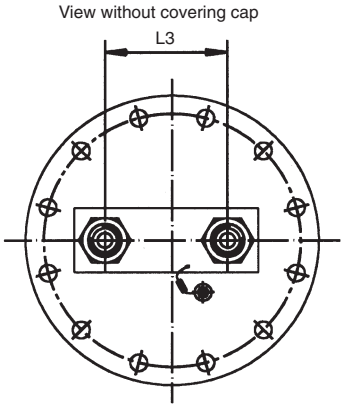
By using a built-in ribbed tube heat exchanger, it is possible to heat a tank with a flange indirectly and thus retrofit it into a storage tank. A combination with CrNi (NIRO) boilers is problematic and therefore not recommended.
Heating water from alternative energy, such as solar systems and heat pumps but also from district heating and conventional boilers, can be used as a possible heating medium.
By installing multiple ribbed tube heat exchangers that are independent from each other resp. additional installation in tubular storage tanks, it is possible to construct multivalent systems.
From the source of heating, the heating circuit medium (water or frost resistant heat transfer medium) flows through the ribbed tube via the heating charge pump. Natural convection is created on the ribbed outside of the tube. In general, the ribbed tube heat exchangers are installed horizontally in the tank and surrounded fully by the water to be heated up.
The built-in ribbed tube heat exchangers model RWT are made of a seamless, undulated spiral SF-CU ribbed tube, and provided with complete screw fittings. They mounted, electrically insulated, on an enamelled flange plate and provided with insulating coupling sleeves as well as a guard circuit shunt resistor in factory configuration. To avoid heat losses, a heat insulated sheet steel covering cap painted matt black is mounted on the flange plate as well as the connections.

Ribbed tube heat exchanger

Operating pressure from inside max. 10 bar
from outside max. 10 bar

Permissible operating temperature max 95°C. Precautions must be made that no temperature rise exceeding the specified values (approx. 95°C) occurs due to the influence of external sources of energy. Appropriate measures must be taken in the form of decalcification systems in the case of heavily calciferous water and operation of the tank above 60°C, or a regular cleaning must be performed, as the heat transfer capacities are reduced significantly.





TECHNICAL DATA

Article no.	Model	Heating surface m²	Flange Ø - hole	max. Ø mm	Fitting length mm	Connection G	L_3	Contents l
A 90503	RWT 2 - 180	1,8	240 - 12 hole	170	450	3/4"	100	1,6
A 90505	RWT 2 - 360	3,6	240 - 12 hole	170	650	1"	100	3,0
A 90506	RWT 2 - 450	4,5	240 - 12 hole	170	790	1"	100	3,5
A 90610	RWT 1 - 110 D*	1,1	180 - 8 hole	110	370	3/4"	60	0,8
A 90613	RWT 1 - 140 D*	1,4	180 - 8 hole	110	440	3/4"	60	1,5
A 90615	RWT 2 - 230 D*	2,3	240 - 12 hole	165	450	3/4"	100	1,9
A 90616	RWT 2 - 310 D*	3,1	240 - 12 hole	165	530	1"	100	2,5

* Immersion sleeve mounted (control option)

TECHNICAL DATA RWT

The tabular values listed below for ribbed tube heat exchangers are standard values in a newly installed condition in the case of horizontal assembly. The data relates to different flow rates of heating water (flow in l/h), flow (VL) temperatures, and the heating-up of service water (BW) from 10 to 45 resp. 60°C

- Flow rates in kW
- Hot water output in l/h
- Flow resistance in mbar

They depend on the installation position as well as the convection created in the boiler.
As usual heating circulation pumps are capable of managing discharges up to a maximum of 450 mbar, the flow resistance in the built-in ribbed tube heat exchanger should not be selected higher than 200 to 250 mbar.

ACCESSORIES (see page 8)

Boiler flange with frame, unworked, KFZ 180 – 8, KFZ 240 – 12
Intermediate flange, enamelled, model 8710
Flange screws M12 x 35
Insulated screw connection for ¾" and 1"

Model	VL / BW	560 l/h			680 l/h			780 l/h		
		kW	l/h	mbar	kW	l/h	mbar	kW	l/h	mbar
RWT 1 - 140 D	90/45	27,2	670	100	30,4	748	150	34,2	842	200
RWT 1 - 140 D	80/45	20,7	510	100	23,7	583	150	27,2	670	200
RWT 1 - 140 D	70/45	14,8	364	100	16,8	414	150	18,7	460	200
RWT 1 - 140 D	60/45	9,2	226	100	10,7	263	150	11,8	290	200
RWT 1 - 140 D	50/45	4,4	108	100	5,3	130	150	5,7	140	200
RWT 1 - 140 D	90/60	20,9	360	100	24,1	415	150	27,9	481	200
RWT 1 - 140 D	80/60	14,2	245	100	16,5	284	150	18,4	317	200
RWT 1 - 140 D	70/60	7,8	134	100	9,2	159	150	10,4	179	200
RWT 1 - 110 D	90/45	21,5	528	100	24	590	150	27	663	200
RWT 1 - 110 D	80/45	16,3	401	100	18,7	460	150	21,5	528	200
RWT 1 - 110 D	70/45	11,7	288	100	13,3	327	150	14,8	364	200
RWT 1 - 110 D	60/45	7,3	179	100	8,5	209	150	9,3	229	200
RWT 1 - 110 D	50/45	3,5	86	100	4,2	103	150	4,5	111	200
RWT 1 - 110 D	90/60	16,5	284	100	19	327	150	22	378	200
RWT 1 - 110 D	80/60	11,2	193	100	13	224	150	14,5	250	200
RWT 1 - 110 D	70/60	6,2	107	100	7,3	126	150	8,2	141	200
		860 l/h			1040 l/h			1200 l/h		
RWT 2 - 180	90/45	28,5	708	75	33	815	110	37	910	155
RWT 2 - 180	80/45	21,5	535	75	25,5	630	110	28,5	705	155
RWT 2 - 180	70/45	16,2	400	75	18,5	460	110	21	510	155
RWT 2 - 180	60/45	9,5	235	75	11,5	285	110	12,6	310	155
RWT 2 - 180	50/45	4,5	112	75	5,3	130	110	6	150	155
RWT 2 - 180	90/60	21	361	75	24,6	425	110	28,2	485	155
RWT 2 - 180	80/60	14,5	250	75	17,2	300	110	20	340	155
RWT 2 - 180	70/60	7,4	125	75	8,7	150	110	10,2	174	155
RWT 2 - 230 D	90/45	37	909	100	42,5	1044	150	47,5	1167	200
RWT 2 - 230 D	80/45	28	688	100	33	811	150	37	909	200
RWT 2 - 230 D	70/45	21	516	100	24	590	150	27	663	200
RWT 2 - 230 D	60/45	12,5	307	100	15	369	150	16,5	405	200
RWT 2 - 230 D	50/45	6	147	100	7	172	150	8	197	200
RWT 2 - 230 D	90/60	27	464	100	32	550	150	36,5	628	200
RWT 2 - 230 D	80/60	19	327	100	22,5	387	150	26	447	200
RWT 2 - 230 D	70/60	9,7	167	100	11,5	198	150	13,3	229	200
		1780 l/h			2200 l/h			2550 l/h		
RWT 2 - 360	90/45	63	1548	100	74	1818	150	82	2015	200
RWT 2 - 360	80/45	51,5	1265	100	60	1474	150	66	1622	200
RWT 2 - 360	70/45	37	909	100	42	1032	150	47	1155	200
RWT 2 - 360	60/45	23	565	100	27	663	150	29	712	200
RWT 2 - 360	50/45	11,5	282	100	13	319	150	14,5	356	200
RWT 2 - 360	90/60	47	808	100	57	980	150	65	1118	200
RWT 2 - 360	80/60	33	568	100	39	671	150	45	774	200
RWT 2 - 360	70/60	18	310	100	22	378	150	25	430	200
		1600 l/h			1950 l/h			2250 l/h		
RWT 2 - 450	90/45	65	1597	100	76	1867	150	84	2064	200
RWT 2 - 450	80/45	52	1278	100	61	1499	150	67	1646	200
RWT 2 - 450	70/45	37,5	921	100	43,5	1069	150	48	1179	200
RWT 2 - 450	60/45	23,5	577	100	27,5	676	150	31,5	774	200
RWT 2 - 450	50/45	12	295	100	13,5	332	150	15,5	381	200
RWT 2 - 450	90/60	48	826	100	58	998	150	66	1135	200
RWT 2 - 450	80/60	34	585	100	41	705	150	46	791	200
RWT 2 - 450	70/60	19	327	100	23	396	150	26	447	200

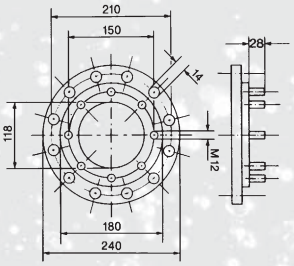
ACCESSORIES FOR HEATING INSTALLATIONS AND FREE-STANDING TANKS

- Blind flange: 180 mm - 8 holes and 240 mm - 12 holes
- Flange seal: 180 mm and 240 mm
- Intermediate flange from 240 - 12 holes and to 180 - 8 holes
- Boiler flange with frame, unworked (total length KFZ 180 - 8: 130 mm, KFZ 240 - 12: 125 mm)
- Insulating cap 180 mm, plastic, and 240 mm steel sheet, black/PU, for insulation of blind flange – not illustrated • model ISO 180 and ISO 240 • reduction 1½" – 2", brass, for SH series – not illustrated • screwed sealing plug 6/4" for sealing of heating unit sleeve – not illustrated.
- Mounted thermometer for free-standing tank series and double shell tanks.
- Combined mounted thermometer and charge pump control for free-standing tank series and double shell tanks. Charge pump control: contacts: unipolar changeover contacts, electric breaking capacity 16 A/230 V, temperature setting range 30°C – 85°C. Thermometer: see ATH. The two capillary tube sensors of the control unit and the thermometer are designed for the double sensor channels of the free-standing tank series. The thermometer and control unit are installed in a matt black plastic casing.
- External current anode ¾": maintenance-free electronically-controlled external current anode with non-consumable titanium anode. Supply voltage ~230 V, connection using 'Schuko' socket with earthing contact, connecting cable 2 m, rated current 100 mA, rated power 0.24 VA.
- Reduction screw connection 11/4" – ¾" for installation of external current anode in the free-standing tank series: As replacement for standard magnesium anode installed.
- Safety assembly SG ¾", 6 bar.

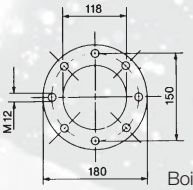
Blind flange
Model BFE 180 - 8

Blind flange
Model BFE 240 - 12

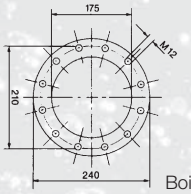
Flange seal
Model FD 180 und FD 240



Intermediate flange
Model 8710



Boiler flange
Model KFZ 180 – 8
for REU-1, RDU-1,
RSW-18, RUL 18,
RWT-1



Boiler flange
Model KFZ 240 – 12
for RDW-2
RSW-2
RWT-2

Model ATH – accurately indicating capillary tube thermometer, display from 0 – 120° C.

Model ATR

External current anode ¾"

Reduction screw connection.

Safety assembly with DV, CV, in brass plus drip cup for SSP and free.standing tanks up to a volume of 1000 litres.

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