



Heat Exchangers



PWW-Heat Exchangers

Swimming Pool Heat Exchangers „QWT 100“

Stainless steel V4A (1.4571), etched and painted, 2 combi coupling sleeves R 1½" x NW 50 or 2" x NW 60 for heating the swimming pool water by connection to a central heating system. Made from a stainless steel outer shell with a welded-in pipe coil, complete with immersion sleeve (d-15 mm x 50 mm) and clamp for receipt of an electronic temperature sensor.

- Operating pressure:
 - heating side 10 bar
 - bathing water side 3 bar
- optional extras
 - holders and assembly parts
 - see assembly accessories (Page 14)



Sicher vor Verkalkung!

Article	Power in kW		Minimum Pump Performance				Art.-No.
	90° C	60° C	Heating		Bathing Water		
			m³/h	mWs	m³/h	mWs	
QWT 100-20	20	13	2	0,8	10	0,08	305 018 00
QWT 100-30	30	20	2	1,1	10	0,10	305 026 00
QWT 100-40	40	28	2	1,8	10	0,11	305 003 00
QWT 100-70	70	31	3	1,5	12	0,15	305 017 00
QWT 100-104	104	55	5	2,0	15	0,20	305 027 00
QWT 100-140	140	70	2 x 3	1,5	20	0,50	305 037 00
QWT 100-209	209	110	2 x 5	2,0	25	1,00	305 047 00

Table of Dimensions QWT and SWT 100

Type	A	B Ø	C m	D NW	E inches	F inches
QWT 100-20	275	125	90	50	1½	¾
QWT 100-30	315	125	135	50	1½	¾
QWT 100-40	385	125	205	50	1½	¾
QWT 100-70	520	190	290	50	1½	1
QWT 100-104	660	190	430	60	2	1
QWT 100-140	920	190	295	60	2	1
QWT 100-209	1190	190	430	60	2	1
SWT 100-20	530	153	335	50	1½	¾
SWT 100-25	710	153	520	50	1½	¾
SWT 100-40	800	190	570	50	1½	1
SWT 100-52	1090	190	870	50	1½	1

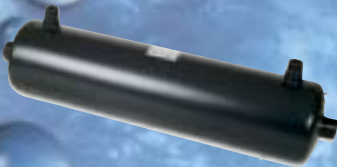
Larger heat exchangers available on request.

Swimming Pool Heat Exchanger „SWT 100“

Stainless steel V4A (1.4571), etched and painted, 2 combi coupling sleeves R 1½" x NW 50, for heating the swimming pool water by connection to a solar panel, heat pump or a low temperature heating system 50/40° C.

Made from a stainless steel outer shell with a welded-in pipe coil, complete with immersion sleeve (d-15 mm x 50 mm) and clamp for receipt of an electronic temperature sensor.

- Operating pressure:
 - heating side 10 bar
 - bathing water side 3 bar
- optional extras
 - holders and assembly parts
 - see assembly accessories



Article	Power in kW 50° C	Minimum Pump Performance				Art.-No.
		Heating		Bathing water		
		m³/h	mWs	m³/h	mWs	
SWT 100-20	20	1,2	1,0	10	1,0	330 004 00
SWT 100-25	25	1,8	2,8	10	1,0	330 006 00
SWT 100-40	40	2,2	1,0	10	1,0	330 008 00
SWT 100-52	52	3,6	1,5	10	1,2	330 010 00

Swimming Pool Heat Exchanger „WTI 100“

Titanium, surface-treated, with two coupling sleeves R 1½" or 2" for use in water with a high (unlimited) chlorine content, for heating the swimming pool by connection to a central heating system.



Article	Power in kW		Minimum Pump Performance				Art.-No.
	90° C	60° C	Heating m³/h	Bathing Water mWs	m³/h	mWs	
WTI 100-20	22	14	2	0,8	10	0,08	305 080 55
WTI 100-30	33	22	2	1,1	10	0,10	305 081 55
WTI 100-40	44	30	2	1,8	10	0,11	305 082 55
WTI 100-70	77	34	3	1,5	12	0,15	305 083 55
WTI 100-104	112	60	5	2,0	15	0,20	305 084 55

Sicher vor Verkalkung!

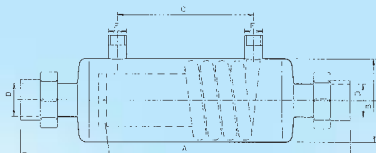


Table of Dimensions „WTI 100“

Type	A mm	B Ø	C mm	D mm	F inches
WTI 100-20	395	125	90	PVC DN 40	¾
WTI 100-30	440	125	135	PVC DN 40	¾
WTI 100-40	505	125	205	PVC DN 40	¾
WTI 100-70	640	190	290	PVC DN 40	1
WTI 100-104	820	190	425	PVC DN 50	1

KOMPAKT Junior Heater Block 40 kW

with QWT 100-40, non-return valve, stainless fitting and circulation pump for the heating and 2 m connection cable. This heating block can be connected to all **BEHNCKE**®-filter systems.



Article	Art.-No.
Kompakt without controller	302 035 05
Kompakt with 0-40° C temperature regulator	302 035 06
Kompakt T + F 230 V with filter controller and 0-40 °C temperature regulator	302 035 07
Kompakt T + F 400 V with filter controller and 0-40 °C temperature regulator	302 035 08

Can be delivered for other performance specifications with the corresponding heat exchangers, pumps and accessories at any time.

KOMPAKT „WTI“ Heater Block

Titanium Heat Exchanger „WTI 100“, non-return valve, circulation pump, 0-40 °C, IP 65, 2-point temperature regulator with prefloatsensor and stainless stew console for problem-free wall mounting.



Article	Power in kW		Art.-No.
	90° C	60° C	
WTI 100-20	22	14	305 070 55
WTI 100-30	33	22	305 071 55
WTI 100-40	44	30	305 072 55
WTI 100-70	77	34	305 073 55
WTI 100-104	112	60	305 074 55

COMPAKT-WT 2000

for heating swimming pool water. Compact model in **easy-to-mount plastic casing**, with stainless steel heat exchanger **QWT 100-40**, complete with heating circulation pump, backflow prevention valve, 2-stage digital temperature regulator 0-40 °C IP 65 with contact flow temperature probe and stainless steel control panel for simple wall mounting.



Article	Art.-No.
Kompakt without Controller	303 200 00
Kompakt with digital regulator	303 200 01
Kompakt with 230 V digital regulator and filter regulator	303 200 02
Kompakt with 400 V digital regulator and filter regulator	303 200 03
Digital 10-40° C, IP 65 temperature regulator	303 200 05
Tauchhülse 1/2" aus VA	390 333 33

Accessories:

Stainless steel heat exchanger fittings	Art.-No.
QWT/WTI/100-20, 30, 40	305 100 05
SWT 100-20, 25,	305 100 00
QWT 100-70, 104, 140, 209, SWT 100-40, 52, WTI 100-70, 104	305 100 01

Rubber hose assembly set for QWT and SWT	Art.-No.
NW 50	305 090 00
NW 60	305 090 01

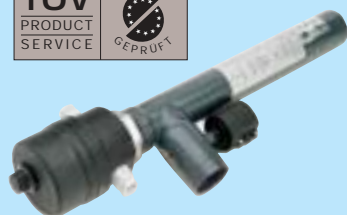
Non-return-valve	Art.-No.
3/4"	391 017 00
1"	391 018 00

Heat circulation pump 230 V max. 10 bar	Pump- performance	m Ws	Art.-No.
Type UPS 25-40 I/I A 0,13-0,26	2,93 m ³	bei 0,8 m	391 090 00
Type UPS 25-60 I/I A 0,20-0,40	3,77 m ³	bei 1,2 m	391 091 00
Type UPS 25-80 I/I A 0,63-1,04	7,5 m ³	bei 1,7 m	391 092 00

Article	Size	Art.-No.
Magnetic valve - 90° C	1/2"	390 332 03
Magnetic valve - 90° C	3/4"	391 043 11
Magnetic valve - 90° C	1"	391 001 11



Electric Heat Exchangers



EWT 80-40

Stainless steel V4A, with 0-40° C thermostat regulator and a pressure switch acting to protect against lack of water, surface painted, with two combi coupling sleeves R1½" x NW 50 and stainless steel fitting.

Article	kW	voltage	Art.-No.
EWT 80-40	1,5	230	304 501 50
EWT 80-40	3	400	304 503 00
EWT 80-40	6	400	304 506 00
EWT 80-40	9	400	304 509 00
EWT 80-40	12	400	304 512 00
EWT 80-40	18	400	304 518 00

* (Power up pressure approx. 0,1 bar, power down pressure approx. 0,06 bar)

EWT 80-70

Stainless steel V4A, with 0-40° C thermostat regulator and a pressure switch acting to protect against lack of water, surface painted, with two PVC adhesive DN 40 threads and plastic fittings.



Article	kW	voltage	Art.-No.
EWT 80-70	1,5	230	304 501 57
EWT 80-70	3	400	304 503 07
EWT 80-70	6	400	304 506 07
EWT 80-70	9	400	304 509 07
EWT 80-70	12	400	304 512 07
EWT 80-70	18	400	304 518 07

* (Power up pressure approx. 0,1 bar, power down pressure approx. 0,06 bar)

EWT-T-Titan

Titanium, incoloy heating elements, 0-40° C thermostat regulator, surface painted, with two PVC adhesive DN 40 threads and plastic fittings.



Article	kW	voltage	Art.-No.
EWT-T	1,5	230	304 601 00
EWT-T	3	400	304 603 00
EWT-T	6	400	304 606 00
EWT-T	9	400	304 609 00
EWT-T	12	400	304 612 00
EWT-T	18	400	304 618 00

Ground heat exchanger 80-30 for air warming

Stainless steel V4A, with regulating thermostat 0-80° C, lacquered surface, connected using 2" combination sockets.



Article	kW	Fuse Amp.	voltage	Ø	Art.-No.
EWT 80-30	1,5	10	230	70	304 302 00

Extra cost of EWT 80-40/80-70/Titan

Article	Art.-No.
thermostat regulator	304 040 00
low-water safety cut-out	304 040 01
thermostatic safety cut-out	304 040 02
fuse protection	304 040 03





EWT 60-20

Stainless steel V4A, without thermostat regulator, with a 47° C thermostatic safety cut-out, surface painted, with two PVC DN 40 threads.

Article	kW	voltage	Art.-No.
EWT 60-20	1,5	230	304 701 02
EWT 60-20	2	230	304 702 02
EWT 60-20	3	230	304 703 02



EWT 60-30

Stainless steel V4A, with 0-40° C thermostat regulator and a 47° C thermostatic safety cut-out, surface painted, with two PVC DN 40 threads.

Article	kW	voltage	Art.-No.
EWT 60-30	1,5	230	304 701 03
EWT 60-30	2	230	304 702 03
EWT 60-30	3	230	304 703 03

NEW!



EWT-TD-Titan

Titanium, incoloy heating elements 825, 0-40° C thermostat regulator and 47° C security-thermostat, with two PVC DN 40 threads.

Article	kW	voltage	Art.-No.
EWT-TD	1,5	230	304 801 00
EWT-TD	2	230	304 802 00
EWT-TD	3	230	304 803 00



Electric Compact Heat Exchanger EWT 90-10

Stainless steel V4A, painted, with electronic 0-40° C thermostat regulator and a 47° C thermostatic safety cut-out, pressure switch to protect against lack of water, partial load switch.

Article	kW	voltage	Art.-No.
EWT 90-10	18	400	304 918 00
EWT 90-10	27	400	304 927 00
EWT 90-10	36	400	304 936 00
EWT 90-10	45	400	304 945 00



Compact electric heat exchanger EWT 95-15

Stainless steel V4A, lacquered, Incoloy heating elements 825, 2-stage digital temperature regulator 0-40° C, IP 65, with electronic safety thermostat 45° C, automatically controlled heating elements depending on the medium to be heated (swimming pool water), and additional options, including 10-minute power up delay and lag time. With flo switch, NW60 rubber hose assembly set.

Article	kW	voltage	Art.-No.
EWT 95-15	18	400	302 051 18
EWT 95-15	27	400	302 051 27
EWT 95-15	36	400	302 051 36
EWT 95-15	45	400	302 051 45

Accessories for Electric Heat Exchangers



Emergency cut-out (contactor) for EWT 80-40/EWT 80-70

Article	Art.-No.
3-12 kW	304 006 12
18 kW	304 006 18



Flow Switches

for all EWT's, switch the electric heat exchanger off in the absence of through-flow.

Article	Art.-No.
Flow switch	304 001 10



Rubber Hose Assembly Set

provided for EWT's, complete with two hose clips

Article	Art.-No.
NW 50	305 090 00
NW 60	305 090 01



Electric Heat Exchanger Holders

Stainless steel

Article	Art.-No.
EWT 80-30	304 001 01
EWT 60-20, 30, EWT 80-40	304 001 00
Synthetic plastic	
EWT 80-70, EWT-T-TD	304 011 02



Electric spare parts

for EWT's

Article	Art.-No.
Low-water safety cut-out M10 x 1	391 033 00
Thermostatregulator 0-40° C	304 021 03
Thermostatregulator 0-80° C	304 021 04
Thermostatic safety cut-out 51° C (-7)	304 021 02



Electric spare parts

for QWT and EWT (PVC-threading).

Article	Art.-No.
Plastic union nut f. EWT and WTI	304 200 00
PVC-Connection f. EWT and WTI	304 200 02
Seal Kst. f. EWT and WTI	304 200 03
Inlay Kst. f. EWT 80-70	304 200 08