2026/27

POOL HEATING: MAXIMIZING THE MINIMUM!



LOW TEMPERATURE
PLATE HEAT EXCHANGERS

LT-PWT

LT-PWT-13A

max daprà & co.
since 1963
HEAT EXCHANGERS & MORE



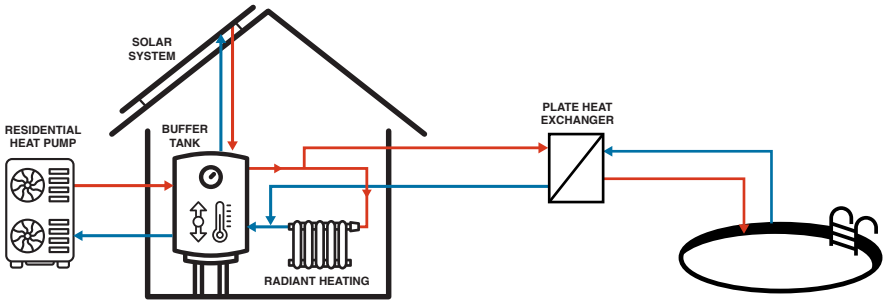
Today‘s pool heating challenge:
Low primary temperatures!

Due to the increased use of low-temperature systems such as residential heat pumps, solar systems and similar alternative heating systems, the primary temperatures in heating systems are becoming increasingly lower.
This presents new challenges - and new opportunities!



To make use of the resulting excess hot water, plate heat exchangers are ideal!
For this reason, we have calculated a plate heat exchanger series that can be used even **at primary temperatures of 35-40°C.** While ensuring the necessary flow rates, this allows you to achieve **a pool temperature of 27/28°C!**

Key advantages:
+ No additional pool heat pump necessary - the excess hot water from the residential heat pump or solar system can be used directly for pool heating through the plate heat exchanger.



+ Cooling instead of heating? When connected to a heat pump with cooling function, the pool can be temperature-controlled also on hot days.

Conclusion:
Our LT-PWT series is the perfect addition to modern heating systems and a smart solution for future-focused trade professionals: Sensible, resource-saving and energy-efficient!

Low Temperature LT-PWT Series:



Available with stainless steel plates AISI 316
or with titanium plates – bolted

Datasheet

Technical Information	LT-PWT 15/35	LT-PWT 25/35	LT-PWT 15/40	LT-PWT 25/40	LT-PWT 35/40	LT-PWT 50/40
heat capacity	15 kW	25 kW	15 kW	25 kW	35 kW	50 kW
primary in/out	35/27,76°C	35/28,22°C	40/29,12°C	40/29,12°C	40/29,5°C	40/30,33°C
secondary in/out	27/28,73°C	27/29,23°C	28/30,36°C	28/30,4°C	28/31,12°C	28/32,46°C
primary flow	1,8 m^3/h	3,2 m^3h	1,2 m^3h	2 m^3/h	2,9 m^3h	4,5 m^3h
secondary flow	7,5 m^3/h	9,7 m^3/h	5,5 m^3/h	9 m^3/h	9,7 m^3/h	9,7 m^3/h
pressure loss primary	0,02 bar	0,034 bar	0,0017 bar	0,0016 bar	0,024 bar	0,03 bar
pressure loss secondary	0,27 bar	0,26 bar	0,27 bar	0,25 bar	0,22 bar	0,13 bar
basis of calculation secondary	27°C	27°C	28°C	28°C	28°C	28°C
installation pool	bypass	bypass	bypass	bypass	bypass	bypass

Low Temperature LT-PWT-13 Series:



Available with stainless steel plates AISI 316
or with titanium plates – bolted

Datasheet

Technical Information	LT-PWT 40/35-13A	LT-PWT 50/35-13A	LT-PWT 70/40-13A
heat capacity	40 kW	50 kW	70 kW
primary in/out	35/28,05°C	35/27,76°C	40/29,85°C
secondary in/out	27/29,88°C	27/29,4°C	28/32,32°C
primary flow	5 m^3/h	6 m^3h	6 m^3h
secondary flow	12 m^3/h	18 m^3/h	14 m^3/h
pressure loss primary	0,067 bar	0,053 bar	0,08 bar
pressure loss secondary	0,33 bar	0,4 bar	0,37 bar
basis of calculation secondary	27°C	27°C	28°C
installation pool	bypass	bypass	bypass

More plate heat exchangers from our production

THE EFFICIENT



Serie G-PWT

Capacity: 14-120 kW
Primary: 35-55°C
Plates in stainless steel/titanium
Bolted

THE VERSATILE



Serie X-PWT

Capacity: 15-300 kW
Primary: 40-70°C
Plates in stainless steel/titanium
Bolted

THE LARGE



Serie 13M-PWT

Capacity: 145-1200 kW
Primary: 40-70°C
Plates in stainless steel/titanium
Bolted

THE COMPACT



Serie D-PWT

Capacity: 16-75 kW
Primary: 35-55°C
Plates in stainless steel
Brazed

THE SAFE



Serie DW-PWT-Plus

Capacity: 20-80 kW
Primary: 40°C
Plates in titanium
Brazed – double walled



Serie DW-PWT

Capacity: 30-100 kW
Primary: 50-90°C
Plates in stainless steel
Brazed – double walled





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