

## Swimming Pool Heat Exchangers QWT 100



The energy resources of our planet are limited. And they will become ever more expensive.

In particular, for the energy-intensive handling of heat generation and heat recovery this fact means that we have to be clearly focused on ever greater efficiency. The future challenge for BEHNCKE's engineers is how to optimize what is already a good product for an even higher degree of efficiency. Besides the application of state-of-the-art process technologies at our Putzbrunn site near Munich, rational and innovative detailed developments are continually being integrated into our products. Made in Germany.

**QWT 100 - the highest quality standard, optimal economic efficiency, constant operating dependability.**

The QWT 100, a sophisticated system component that is ideal for connection to high-temperature energy sources. The use of stainless steel with the quality standard AISI 316 - perfectly finished - also guarantees an extremely long service life, because it is resistant to calcification.

The counterflow principle perfected by BEHNCKE, in which hot and cold water are conducted past one another in banks of bare tubes without making contact, achieves a very high degree of efficiency. The specially fabricated banks of bare tubes, which achieve a constant and therefore almost loss-free working pressure, are the central component of this system.

Extremely flexible applications result from this due to its small overall dimensions. Furthermore, the welded-in thermowell enables the uncomplicated installation of a temperature sensor.

**Specially designed for existing and alternative energy sources of the future.**

### Swimming pool heat exchanger QWT 100 Technical specifications

Model	QWT 100-20	QWT 100-30	QWT 100-40	QWT 100-70	QWT 100-104	QWT 100-140	QWT 100-209
Output (hot water feed 160°F)	54,600 BTU/h	68,200 BTU/h	102,400 BTU/h	170,600 BTU/h	307,100 BTU/h	392,400 BTU/h	682,400 BTU/h
Heating gpm	9	9	9	13	22	2 x 13	2 x 22
Heating psi	0.6	0.9	1.4	0.5	2.0	2 x 0.5	2 x 2.0
Pool water gpm	44	44	44	53	66	88	110
Pool water psi	0.3	0.4	0.4	0.5	0.6	1.9	3.7
QWT pool connection	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"
QWT heater connection	3/4"	3/4"	3/4"	1"	1"	1"	1"