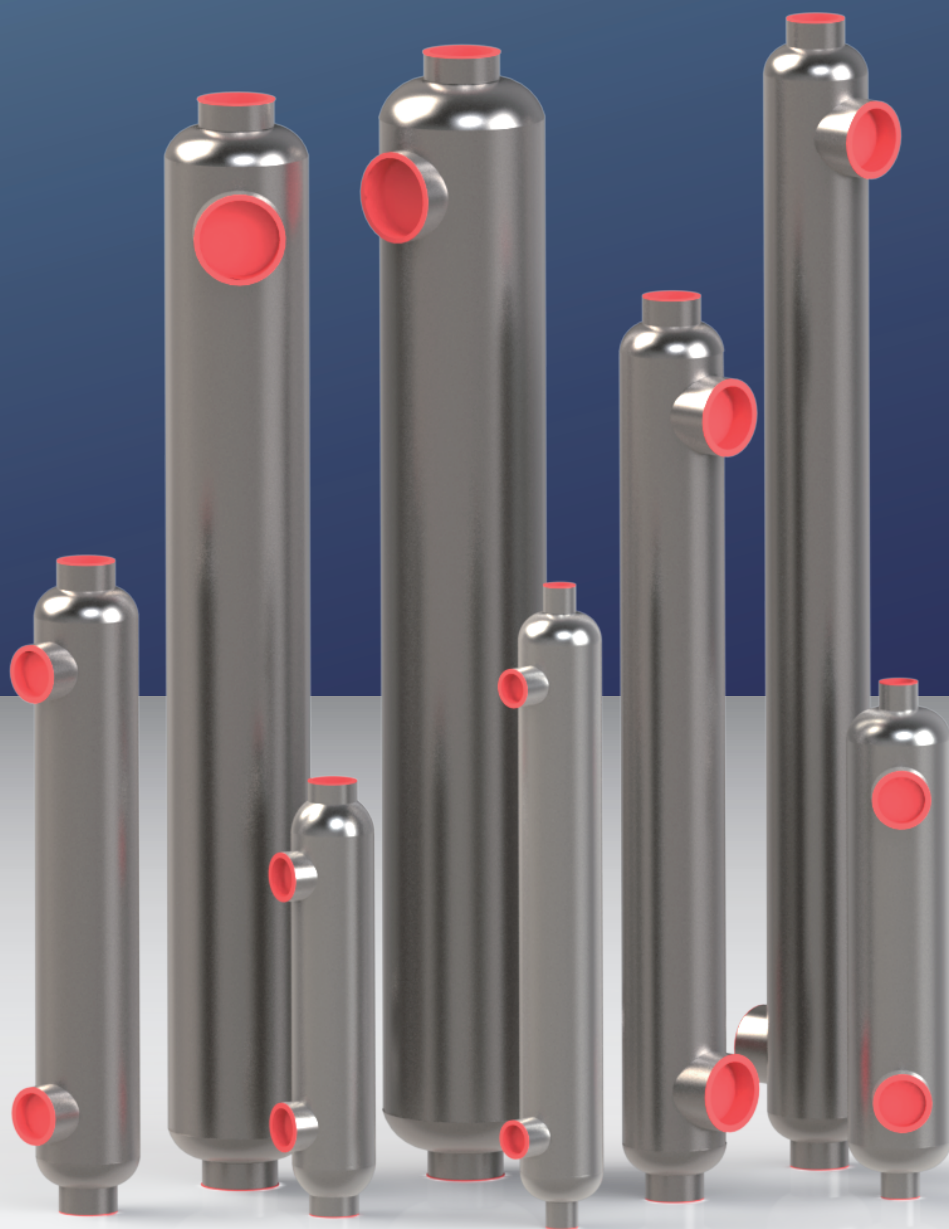
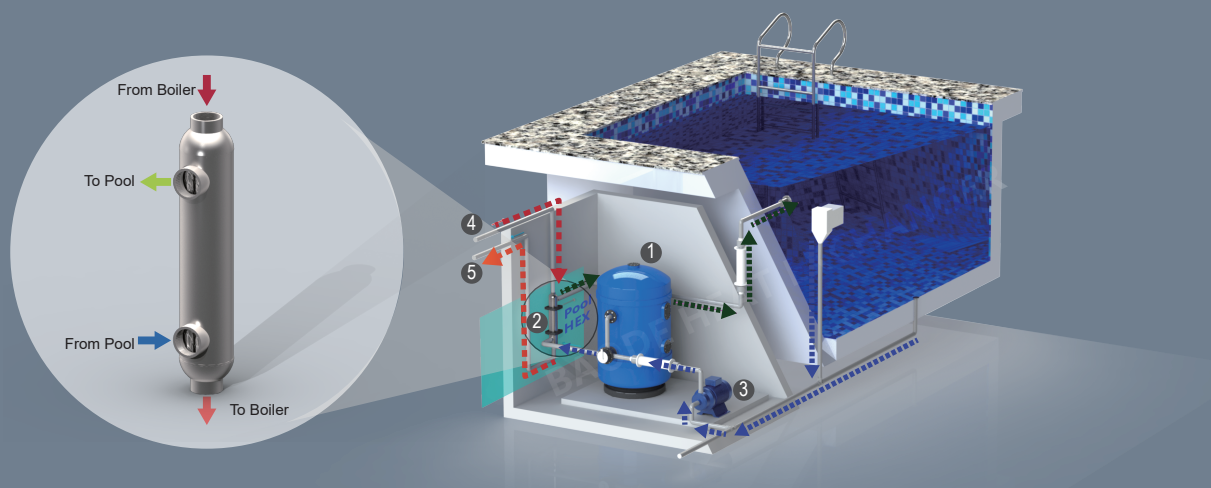


SWIMMING POOL HEAT EXCHANGER

-Efficient Heat Transfer for Clean, Comfortable Pools





1. Sand Filter
2. Pool heat exchanger
3. Pump
4. From hot source e.g. Solr, Boiler or Heat pump
5. Return to hot source

Pool heat exchangers are designed to handle the challenges of chlorine, bromine, and high flow rates in pools and spas. Standard flat plate exchangers are unsuitable; instead, specialized high-flow exchangers are recommended. For saltwater pools, titanium versions offer superior resistance to salt and chlorine. These heat exchangers feature a helical coiled tube design for excellent heat transfer efficiency, low pressure drops, and high flow capacity, making them ideal for solar pool or spa heating systems.

Key Features and Benefits:

* High Efficiency:

Heat transfer coefficient up to $14,000 \text{ W/m}^2 \cdot ^\circ\text{C}$, 3-7 times better than traditional systems.

* Compact Design:

Requires only one-tenth of the space of conventional systems.

* Durable Materials:

Stainless steel or titanium construction resists high temperature, pressure, and corrosion.

* Easy Installation:

Compact, reliable, and long-lasting with low maintenance needs.

* Optimized Flow:

Designed for speeds up to 5.5 m/s , minimizing dirt buildup.

For maximum performance, install in counter-current flow configuration with hot fluid in the tube and cold fluid in the shell.





Low Pressure Drop
(Pool water side)



Compact Size



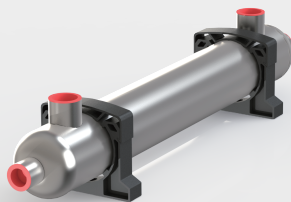
Resistance to Aggressive Substances in Pool Water
(e.g., Fluorine, Chlorine)



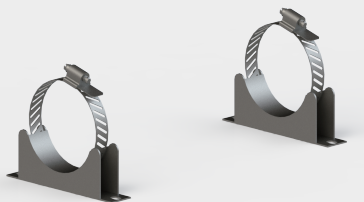
Corrugated Tubes Enhance Flow Turbulence,
Significantly Boosting Heat Transfer Efficiency.



BRACKET FOR HEAT EXCHANGER

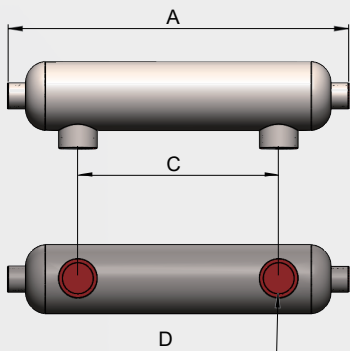


Plastic Bracket

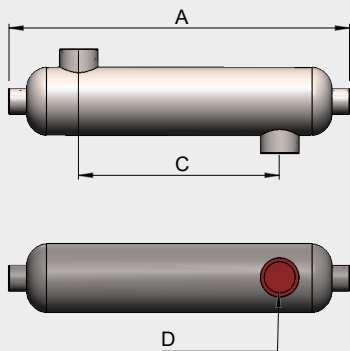


Steel Bracket

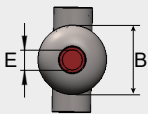
SWIMMING POOL HEX SPECIFICATION



Same Side



Opposite Side



American Model	SP55	SP85	SP105	SP205	SP300	SP360	SP600	SP1200	SP2400	SP3000	SP3600	SP4500	SP5000	SP6000
Global Model	ST16	ST25	ST45	ST60	ST88	ST105	ST175	ST352	ST700	ST880	ST1050	ST1350	ST1450	ST1750
A [mm]	339	494	404	511	701	890	862	895	964	1130	1330	1030	1130	1330
B [mm]	63.5	63.5	80	80	80	80	110	127	168	168	168	219	219	219
C [mm]	253	408	310	417	611	800	750	765	834	1000	1200	900	1000	1200
D [mm]	1"	1"	1.5"	1.5"	2"	2"	2.5"	2.5"	4"	4"	4"	4"	4"	4"
E [mm]	3/4"	3/4"	1"	1.5"	1.5"	1.5"	2"	2"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"
POOL SIZE [m³]	15	25	45	65	90	110	180	360	800	1000	1200	1500	1660	1800
Capacity KW	16	25	45	60	88	105	175	352	700	880	1050	1350	1450	1750