

Dry All

Full Range of HVAC&R Line Products



**SWIMMING POOL HEAT EXCHANGER
(TITANIUM BAREL)**

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Introduction

Showcasing the exceptional Dry All Swimming Pool Heat Exchangers, featuring titanium barrels. Designed for optimal heating efficiency, these heat exchangers cater to a wide range of heating capacities, from 3.5 KW to 54 KW. Equipped with innovative features such as temperature sensor sockets, water flow switches, and a durable titanium tube construction, these heat exchangers are the ideal solution for heating swimming pools and complementing heat pump systems.

Salient Features

- 1. Heating Capacity Range:** The heat exchangers boast a versatile heating capacity range, from 3.5 KW to 54 KW, ensuring efficient and customized heating for various pool sizes.
- 2. Temperature Sensor Socket:** Equipped with temperature sensor sockets for precise temperature monitoring, enabling precise control and adjustments to meet specific heating requirements.
- 3. Water In & Out:** Facilitates seamless water flow, allowing for easy connection and circulation within the heat exchanger, optimizing heat transfer efficiently.
- 4. Water Flow Switch:** Includes a water flow switch, ensuring safe operation by monitoring water flow and activating the system only when adequate flow is detected, enhancing safety and longevity.
- 5. Titanium Tube Construction:** The heat exchangers feature a robust titanium tube construction, known for its exceptional corrosion resistance, durability, and high heat transfer efficiency, ensuring longevity and performance.
- 6. Recommended for Swimming Pool and Heat Pump:** Tailored specifically for heating swimming pools and complementing heat pump systems, these heat exchangers provide an ideal heating solution for both residential and commercial pool setups.

Advantages


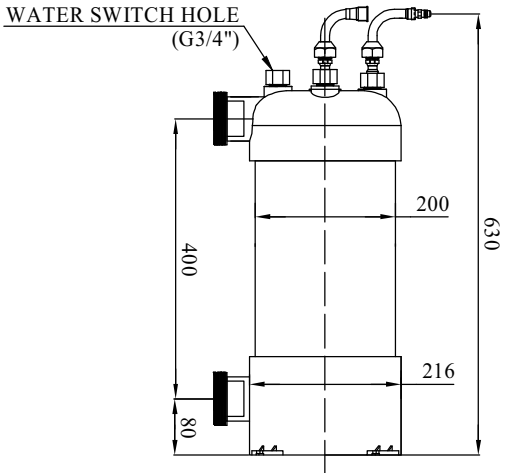
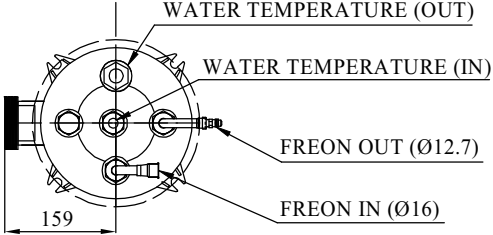
Efficiency: The use of a titanium tube and advanced design ensures high thermal efficiency, allowing for rapid and effective heat transfer.

Durability: The corrosion-resistant titanium construction ensures longevity and reliability, even in harsh pool environments, reducing maintenance requirements.

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Safety Features: The integrated water flow switch and temperature sensor sockets contribute to safe and controlled operations, providing peace of mind for users.

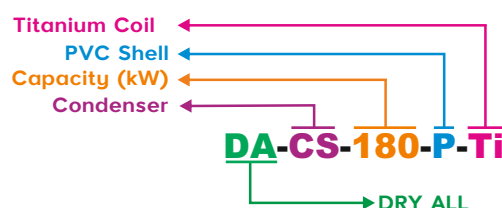
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IMAGE	DIMENSIONAL DATA
	
TOP VIEW	
	

Models Available

S/N	Model	Heating Capacity (kw)	Cooling Capacity (kW)	PVC Shell Dimension A x B (mm)	Titanium Twisted Tubing Dia. x Thickness x Length (mm)	Refrigerant Tube IN/OUT mm	Water IN/OUT mm
1	DA-CS180PTi	18	10	200 x 490	16 x 0.6 x 9800	φ16/φ12.7mm	φ50 Quick Coupler
2	DA-CS270PTi	27	15	200 x 530	19 x 0.6 x 12500	φ19/φ12.7mm	φ50 Quick Coupler
3	DA-CS350PTi	35	19	200 x 530	19 x 0.6 x 16000	φ19/φ12.7mm	φ50 Quick Coupler
4	DA-CS450PTi	45	25	200 x 530	19 x 0.6 x 21000	φ19/φ12.7mm	φ50 Quick Coupler
5	DA-CS540PTi	54	30	200 x 552	25 x 0.6 x 19000	φ25/φ19mm	φ63 Quick Coupler

Nomenclature



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Note:

1. Heating capacity is measured under DB/WB at 20°C/ 15°C, with R410A refrigerant, Condensing Temperature 40°C, inlet water temperature is 26°C, outlet water temp. is 28°C.
2. Cooling Capacity is measured under DB/WB at 35°C/ 24°C with R410A refrigerant, Evapoarting Temperature 3°C and inlet water temp. is 24°C, outlet water temp. is 19°C.

Working Conditions :

Parameter	Refrigerant Side (In Ti Twisted Tube)	Secondary Side In the Shell
Max. Pressure	45 Bar	4 Bar
Temp. Range	-50°C to 150°C	-10°C to 45°C
Refrigerant Type	R22, R134a, R404a, R407C, R410A, R600a	Sea Water , Plating Solutions , Anfreeze, Swimming Pool Water, Ground Water
Remarks	1. Please Purge Air from water system , and ensure work pressure should not exceed the max. pressure. 2. Please Keep the water clean, suggest to install filter and clean the system regularly. 3. Please drain off the water when machine stopped during the cold season to avoid freezing.	

Conclusion:

In conclusion, Dry All Swimming Pool Heat Exchangers with Titanium Barrels represent a pinnacle in pool heating technology. With a diverse range of features aimed at efficiency, durability, and safety, these heat exchangers are the perfect choice for heating swimming pools of different sizes and complementing heat pump systems. The incorporation of innovative components and the use of high-quality materials ensure a reliable, efficient, and long-lasting solution for all your pool heating needs.

Manufactured by:



Full Range of HVAC&R Line Products

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