



PAC Pooltemper ***Swimming Pool Heat Pump***

Keep Your Pool Comfortably Warm At All Time



ENERGY FRIENDLY
COMFORT

www.pac.co.th/pooltemper

pool
TEMPER
SWIMMING POOL HEAT PUMP

pool TEMPER

SWIMMING POOL HEAT PUMP

Swimming in an appropriate water temperature is refreshing and good for your health. It is also an enjoyable time for everyone in the family; however, the water temperature is often too cold. PAC has developed PAC Pooltemper, the Swimming Pool Heat pump, to keep water in the most comfortable temperature to ensure a truly relaxing moment.

°C The Different Temperatures For type of the Swimming Pool



Entertainments,
teaching adult to swim **26°C - 28°C**



Swimming competition,
Diving and Exercise **27°C - 29°C**



Relaxation Swimming **28°C - 30°C**



Children Swimming Course **29°C - 31°C**



Children, Baby **30°C - 32°C**

Water treatment **30°C - 35°C**

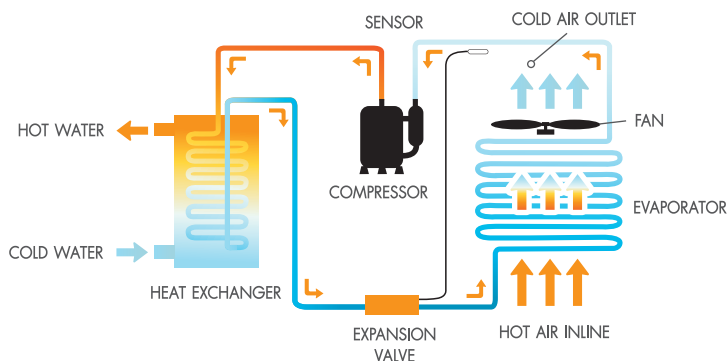


Spa **30°C - 40°C**

*Number on top is suitable temperatures

**Credit : Pool Water Technical Advisory Group (PWTAG)

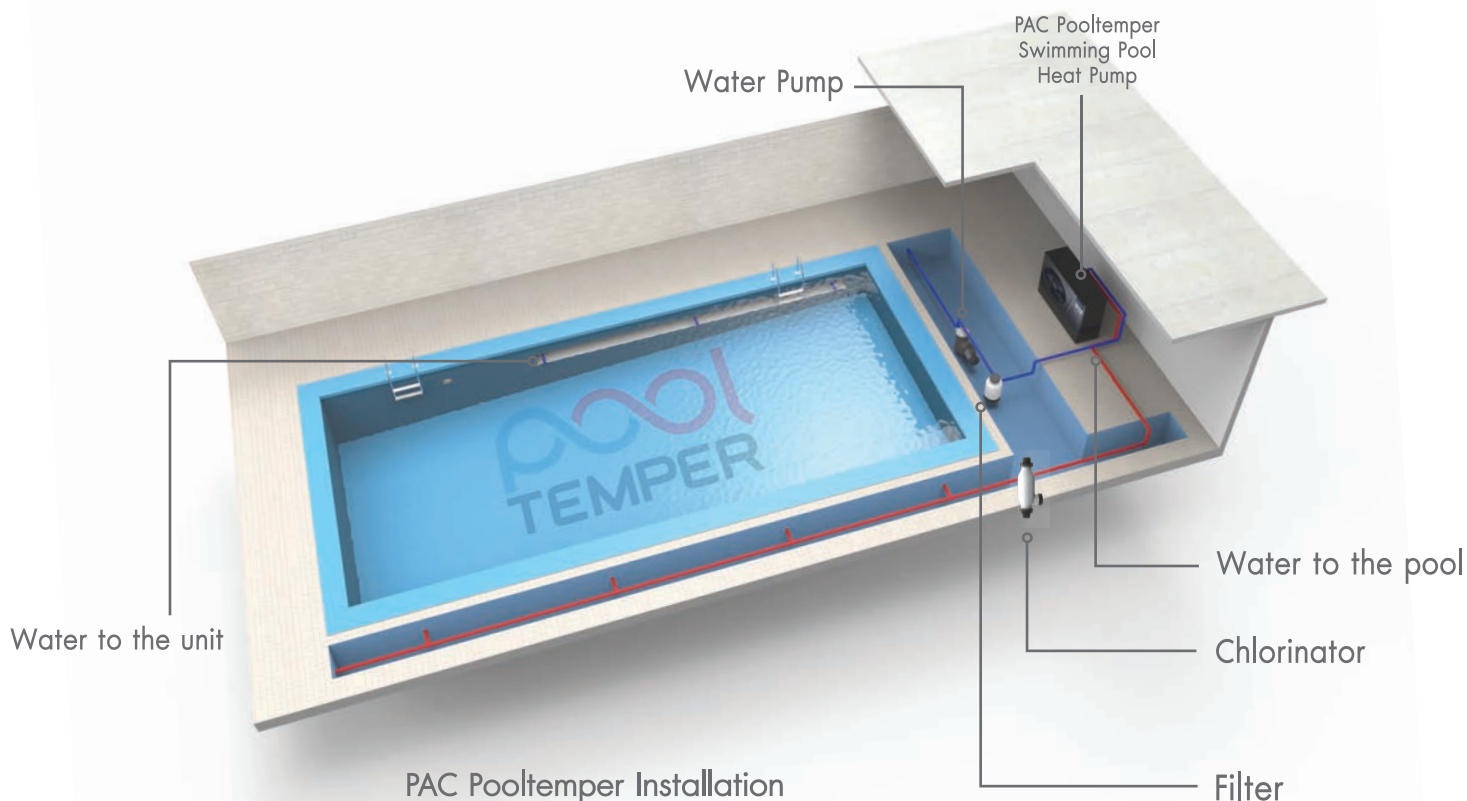
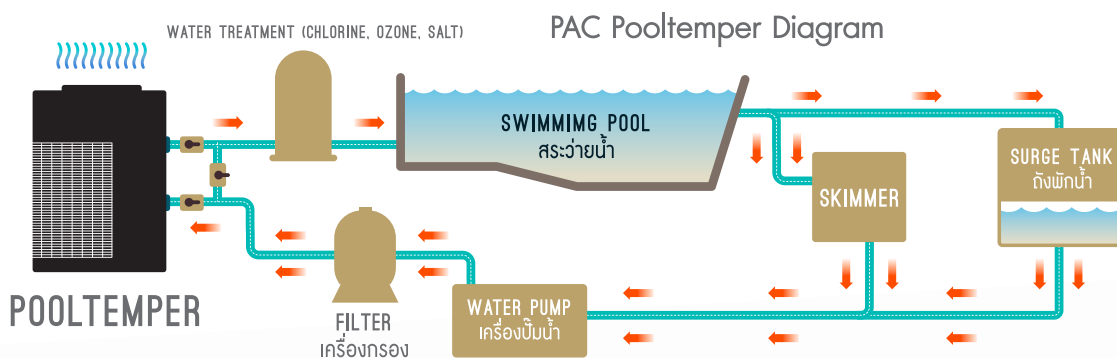
PAC Pooltemper Working Principle



PAC Pooltemper works similarly to an air conditioning system. It starts from the fan that pulls the natural air through an evaporator coil. The refrigerant will absorb the heat and turn liquid into gas. The refrigerant will be pulled into the compressor. Then the compressor will compress the refrigerant to increase its temperature which will be sent through the heat exchanger to heat the swimming pool. After that the lower temperature and pressure will make the refrigerant change into liquid and pass through the expansion valve and evaporator to release the cool temperature out

We understand that each person may need different temperature for different usages, so we have developed PAC Pooltemper to help adjust water temperature the way you want. It is energy saving and easy to install. PAC Pooltemper is equipped with a heat pump which is the most efficient device to increase or decrease temperature by using as low energy as possible.

PAC Pooltemper can also cool down the swimming pool. The refrigerant direction control device allows the heat exchanger to switch to the cooling mode to make the water cooler as well



PAC Pooltemper Special Features

**POOL
TEMPER**
SWIMMING POOL HEAT PUMP



Corrosion Protection

Base frame and external panels are made of ABS plastic or galvanized powder coated steel while chassis is treated with epoxy to ensure high corrosion-proof capability



Exclusively Designed Blade

Allows higher air circulation and is controlled by DC motor to ensure minimum noise



Protection System

Our product is certified by CE, UL, and other standards. The system has high/low gas pressure protection, flow switch, phase order protection, voltage protection, over heated protection, and more



Environmental Friendly

All models use R410a refrigerant and every single part is manufactured with high quality materials under RoHS standard which is safe for the environment



Double Coil Titanium Heat Exchanger

The best material to prevent corrosion, might it be for chlorine, salt, or ozone pool. Safe, durable, and ensures a longer lifespan



Waterproof Evaporator Coil

Allows corrosion resistance and provides heating and cooling efficiency



Digital Control Device

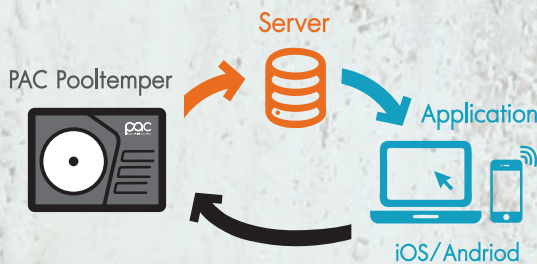
The temperature can be adjusted accurately between 10 °c - 40 °c to maintain the level that you are the most comfortable with. The device can be installed either on the machine itself or on the wall



Specially Designed Controller

Flow Switch, for example, can detect the water flow faster and more accurately than usual. It prevents corrosion better than the normal flow switch and works more effectively

PAC Pooltemper Remote Control System



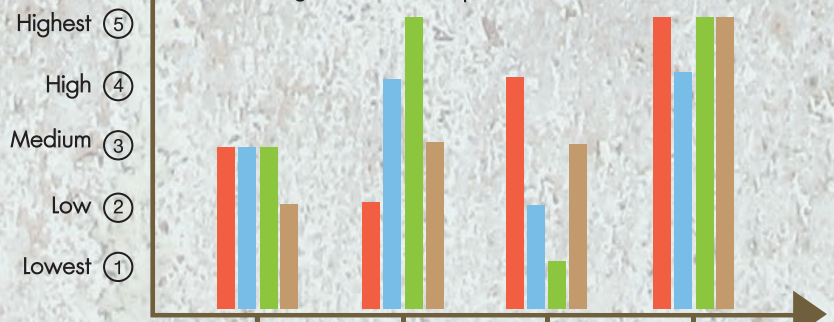
With the intelligent controller, PAC Pooltemper can be controlled by IOS or Android smart phones as well as other devices that are connected to the internet. You can turn it on and off, adjust the settings, or check the system status anywhere and anytime through your smart phone. Fast and convenient for all lifestyles

Energy Saving

5 time

Compare to Electric Heater

Electric & Power Consumption Chart
Swimming Pool Heat Pump



GAS
Pool Heater

Solar
Water Heater

Electric
Pool Heater

**POOL
TEMPER**

Heating Efficiency

Energy Saving

Investment

Safety

PAC Pooltemper Reference

Pool Villa

- Cape Yamu Villa 20 , 26 , 35
- Anantara Layan Villa 3
- Avadina Hill Villa 16
- Amanpuri Villa 34
- Andamaya Surin
- Ayara Surin villa 8 , 12
- Andara Villa
- Amanpuri Villa 14
- Four Season Samui
- Avani+ Khao Lak

Hotel

- The Peninsula Bangkok
- Sheraton Grande Sukhumvit
- THANN Wellness Destination Ayutthaya
- Kirimaya Golf Resort Spa Khaoyai
- V Villas Hua Hin - M Gallery
- InterContinental Hua Hin Resort
- Smile Lanna Hotel - Chiangmai
- Panviman Chiangmai Spa Resort
- Four Seasons Resort Chiang Mai
- Montis Resort Pai - Maehongsorn
- The Shore at Katathani Resort - Phuket

Condominium

- The Bangkok Thonglor - Bangkok
- 137 Pillars Suites & Residences Bangkok
- The Sky Sukhumvit 49 - Bangkok
- Metro Luxe Kaset - Bangkok
- The Edge Sukhumvit 23 - Bangkok
- The Line Jatujak - Bangkok
- Ideo Mobi Bangsue-Grand Interchange - Bangkok
- Magnolias Ratchadamri Boulevard - Bangkok
- The Riviera Jomtien - Chonburi

School

- Denla Kindergarten, Phetkasem
- Denla Kindergarten, Rama 5
- Norwich International School, Rama 2
- Kids Kingdom International Kindergarten
- The First Steps International Pre-School
- Australian International School Bangkok
- Concordian International School
- VERSO International School
- Kwangtong School - Sukhothai
- Vachiralai School - Chiang Mai
- Vision Swimming Academy Swimming Pool
- Bangkok Swim Academy Sukhumvit 71
- Lanna International School - Chiang Mai

Spa

- SCG Muangthong United Football Club - Mueangthong
- SCG Muangthong United Football Club - Kirin Valley Khaoyai
- True Bangkok United
- The Villa Health Club - Bangkok
- The Legacy River Kwai Resort - Kanchanaburi
- Krabi Onsen & Spa - Krabi
- The HotSpring Beach Resort and Spa - Phang Nga

Kids Swimming Academy

- Baby Pool
- Baby Swimming
- Swimming Kids
- Swim Kidz
- Little Whale
- Bangkok Kids
- Baby Frog
- Ichi Baby Center

Hydrotherapy Pool

- Arun Health Garden - Bangkok
- Sukjaibodyfit Wellness - Saraburi
- Hatyai Chivasuk

Hospital

- Siriraj Piyamaharajkarun Hospita - Bangkok
- Ramadhibodi Chakri Naruebodindra Hospital
- Samitvej Srinakaran Hospital

Vegetable Farm

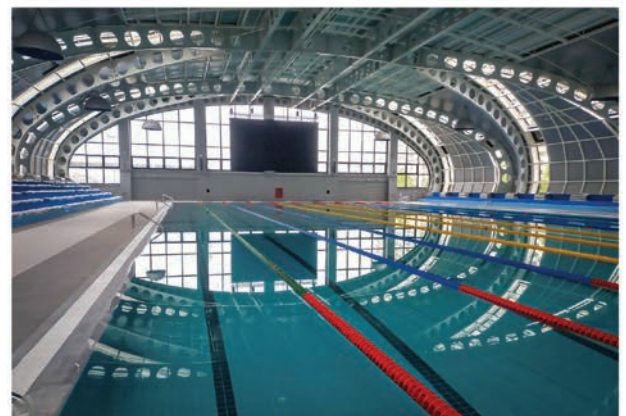
- Sabaijai Farm
- Chaiyo Farm

Swimming Academy

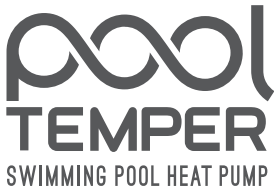
- Vision Swimming Academy Swimming Pool
- Bangkok Swim Academy Sukhumvit 71
- Aquarich Thailand

Other

- [Embassy of the United States, Bangkok](#)



PAC Pooltemper Specification



Model		PPT-100SVS	PPT-130SVS	PPT-200SVS	PPT-300SVS
Heating capacity*	kW	46	58	90	145
	BTU/h	156,960	197,900	307,100	494,740
Power input	kW	8.40	10.00	17.5	25.40
COP		5.50	5.80	5.14	5.70
Running current	A	16.30	19.50	31.2	45.40
Cooling capacity**	kW	30	38	58	97
	BTU/h	102,400	129,700	198,000	331,000
Power input	kW	9.04	11.80	17	27.00
COP		3.32	3.22	3.41	3.59
Running current	A	16.17	20.60	30.8	52.70
Power supply	V/Ph/Hz		380/3/50	380/3/50	
Compressor quantity		2	2	3	2
Compressor type		Scroll			
Heat exchanger type		Titanium Coil in PVC (Tube in shell)			
Refrigerant type		R410A			
Fan quantity		2	2	3	2
Air Flow	CFM	6,500	6,500	11,800	13,600
Fan direction		Vertical			
Noise	dB(A)	61	61	63	63
Water connection	inch	2	2	2	4
Water flow volume	m ³ /h	15	20	28	42
Water pressure drop	kPa	12	12	16	18
Casing material		Powder Coated Galvanized Steel			
Casing color		White			
Dimension (L/W/H)	mm	1490/735/1130		2150/765/1330	2180/1080/2030
Net Weight	kg	250	280	380	664

Testing Condition :

*Heating : Ambient temp.(DB/WB) 24°C/19°C, Water temp.(In/Out) : 26°C/28°C

**Cooling : Ambient temp.(DB/WB) 35°C/24°C, Water temp.(In/Out) : 30°C/28°C

Remark :

Max water temp 40°C For Heating

Min water temp 10°C For Cooling

Specification are subjected to changed without prior notice

RoHS



CB

CE



PAC is a leader of Energy Saving
Pooltemper and Pool Heat pump



Pool Asia Environment Award 2011
Pool Asia Expo & Conference 2011
Categories : Product Development



SME NATIONAL AWARDS 2022



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