

spanet

SV  
SERIES  
HEAT PUMPS

*"They were made for  
each other"*

the only **CORRECTLY interfaced**  
spa pool heat pump system



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POWER SMART

ECO FRIENDLY

# Introducing the **world's only** **HEAT PUMP** to offer true **integration** to a spa pool

less energy

SV series heat pumps feature a **dedicated interface** for seamless integration to a SpaNET spa controller. The heat pump and spa control have been designed to work in synergy resulting in a single spa control system that operates smoothly, reliably and efficiently.

The SV heat pump interface revolutionises spa temperature control. We can now offer both **automatic heating and cooling** of the spa water (from 10°C - 40°C) all conveniently controlled via the spa-side keypad, whilst also providing greatly reduced heat recovery times which can be further reduced with the exclusive SV element boost and fast heat up cycle options.

The SpaNET SV heat pump technology maintains your spa's water temperature using around **75% less energy** than a conventional electric heater resulting in an eco-friendly and amazingly cost efficient appliance. It also allows for maximum heating input on low amperage power supplies. Integrated with the host of exclusive PowerSMART energy saving features of the SpaNET SV series control systems, there is simply no better spa control solution. With solid state diagnostics and real time heat pump monitoring the SV series control system correctly looks after every need of the heat pump ensuring long term reliability whilst delivering absolute minimum operating costs.



Genuinely interfaced to spa controller

Fully insulated heat exchanger & cabinet

Corrosion resistant gold fin condenser

Eco-friendly R410A refrigerant

Titanium / PVC heat exchanger

Feature	SV Series interfaced heat pump	Generic non-interfaced heat pump
Automatic heating and cooling of spa water	✓ YES - water temperature will be automatically regulated to any desired temperature (Range: 10°C - 40°C)	✗ NO - standard spa controllers only support heating and have no ability to cool
Correctly sequenced start-up and shutdown of heat pump components	✓ YES - the SV completely controls all heat pump functions and components. Its real time monitoring ensures the fan, valves, defrost elements and compressor are all switched on and off in the correct sequence required for reliable heat pump operation and long term life expectancy. Low ambient temperatures and defrost needs are taken into account and dealt with appropriately	✗ NO - often the heat pump will be operating and the spa controller will simply cut power to it. The result is that the heat pump components are not switched in the correct sequence resulting in dramatic degradation of the components through temperature and pressure spikes, leading to short expected life. Defrost cycles are cut short or missed completely and any accumulated run data that the heat pump has recorded is lost when the power is cut off unexpectedly
Easy temperature adjustment from spa-side keypad	✓ YES - the set temperature is easily adjusted, up or down, via the SV spa-side keypad. The control system automatically responds and will heat or cool where required to regulate the water to the new set temperature point	✗ NO - there is no communication between the spa controller and the heat pump and no ability to cool. Settings can only be altered from a keypad on the heat pump itself, which is often located in difficult to access locations away from the spa
SV element boost (heat pump + SV heater) for rapid heat recovery	✓ YES - a user adjustable menu option to activate the SV electric element to run in conjunction with the heat pump to boost heating and dramatically reduce heat recovery times. Ideal for when spas are emptied / refilled or when the water temperature needs to be increased significantly in a short amount of time	✗ NO - the internal heaters of standard spa controllers are disconnected if installed with a heat pump. The heat pumps are then usually wired in a questionable (perhaps illegal / unapproved) way to the spa controller's heater connections
Integrated PowerSMART energy saving features	✓ YES - the integrated heat pump benefits from the powerful energy saving features of the SV spa control such as programmable off-peak heating / filtration, dynamic thermal tuning, away & weekend operating modes	✗ NO - there is no communication between the spa controller and the heat pump