

## ITS Pool Heatpump installation basics.

ITS heatpumps feature virtually plug and play operation. We would however just like to bring a few installation requirements to the attention of our installers.

Key installation points:

1. Please consult the heatpump manual for heatpump mounting clearance specifications.
2. Always install the heatpump after the pool filter and pump but **before** any chlorinators or other devices that insert concentrated chemicals into the pool stream.
3. ITS recommends the use of ball valves in the “send” and “return” pipe lines of the installation to simplify future maintenance. Also use a bypass ball valve to lower the flow rate through the heatpump.
4. In most cases no electrical override signal is needed between the pool pump and the heatpump. When the pool pump is running the flow sensor in the heatpump will detect the flow and if the water is below the programmed temperature the heatpump will automatically activate. If the flow rate through the heatpump is insufficient (pool pump stopped) the heatpump will deactivate itself and show EE3 till the flow rate is sufficient again.
5. Use slow react circuit breakers for the heatpump as the start-up current may be higher than the operating current. The table below gives the breaker amperage:

Model number	Running Current	Slow react circuit breaker amperage
ITS-3.8HPP	4.4A	10A
ITS-9.5HPP	11A	15A
ITS-9.5HP	15A	20A

6. If a pool blanket is not installed the required heatpump size for the pool will more or less triple.
7. Remember to provide drainage for the heatpump drainage point as the unit will produce drops of water during normal operation (condensation).

Figure 1 below shows the typical installation diagram pool heatpump models.

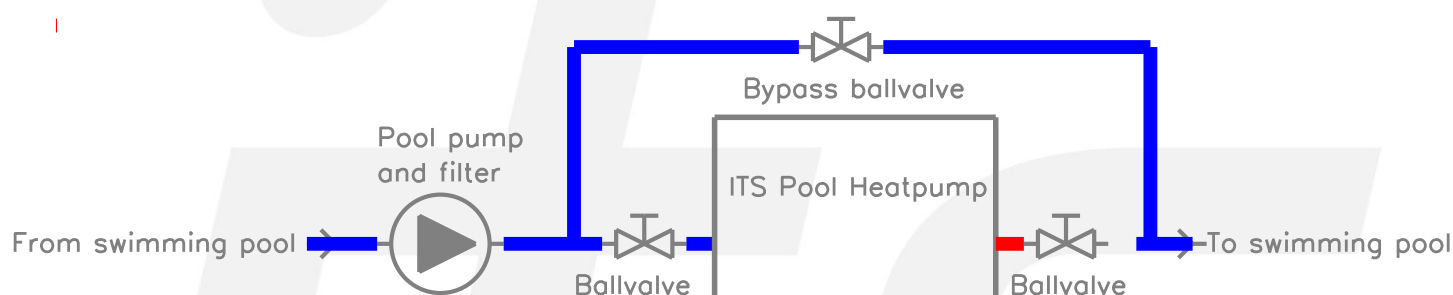


Figure 1.

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## Quick Start – Set up – Pool Heat pump



**Power on/ off (far right)**



**Set the clock (2<sup>nd</sup> from right)**

1. Press once – Time flashes
2. Press twice - Time hour flashes – Arrow up/down to adjust
3. Press 3<sup>rd</sup> time – Time minute flashes – Arrow up/down to adjust



**Time Window**

Window on (left) Green light



Window off (2<sup>nd</sup> left) Red light

ON – press once and follow the instructions as with clock adjustments

OFF – Press once and follow instructions as with clock adjustments

**Set desired temp**

- Press arrows up/down to get desired temp
- Display = 35° (SET TEMP)

**EE3 – Flow rate Error – if this comes up, this means there is an irregular flow.**