

 **theraflo**TVS

Instruction Manual



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INTRODUCTION

The Theraflo TVS swimming pool pump has been specifically designed with the consumer in mind. With Australian electricity and water usage costs always increasing we felt it necessary to provide a pool pump that allowed the consumer to manually adjust the pump speed according to their desires. By utilising this feature the you will save money, electricity, water and will also experience savings on the life of your pool pump motor.

The Theraflo TVS is a great combination of tried and tested wet end technology with the smart innovation of TVS (True Variable Speed) motor adjustment.

At first glance the large and robust wet end exemplifies high quality. Australian made from high tensile plastic, our wet end is super tough and is designed for a long lasting life. Our revolutionary clamp and screw down clear lid allows for easy access to the hair and lint basket making maintenance a breeze.

Our motor, designed for maximum energy efficiency is controlled by a simple to use control pad that provides total adjustment at the push of a button.

The Theraflo TVS swimming pool pump is part of the unique Australian designed Theralux swimming pool sanitation system which has been designed to provide the consumer with the healthiest swimming pool environment possible. We achieve this through the collaboration of hundreds of years industry experience which allows us to challenge the realms of industry normality.



THERAFLO INSTALLATION

The Theraflo TVS comes with quick release adjustable connecting unions on both the inlet and outlet which simplifies the installation. It also allows you to remove the pump at any time by simply un-screwing each union and this is handy for any future maintenance.

The 2 connecting unions can be plumbed with either 40mm PVC pipe internally or 50mm PVC pipe externally. Ideally the pump will operate better with the least amount of PVC bends and in the closest proximity to the swimming pool available.

Installation should be made on a level concrete slab or solid even surface.

There should be at least 100mm clearance between the rear of the pool pump motor to allow for ventilation & cooling.

Connect the screw on union to the pump inlet, clean the area with priming solution and then glue together using pressure PVC glue the PVC plumbing line that comes from the swimming pool skimmer box.

Please note: Do not forget to use the rubber o’ring provided.

Connect the screw on union to the pump outlet, clean the area with priming solution and then glue together using pressure PVC glue the PVC plumbing line that connects to the filter inlet.

Please note: Do not forget to use the rubber o’ring provided.

Connect the electrical power cable plug into your power supply – this may be a power point or a salt water/mineral chlorinator.

Please note: Do not turn power on at this point.

Please allow enough time for the glue to set. Please check the PVC glue used for timing directions however we recommend you allow 6-8 hours for optimum results.

THERAFLO START UP

Once glue has had the required amount of setting time check that both inlet and outlet connection points are hand tight.

At this point it is necessary to prime the pump wet end, we do this by un-screwing the 2 locking knobs & removing the clear plastic lid.

Then fill the hair & lint pot area up with water until it is completely full. This can be pool water via a bucket or tap water from your hose.

Once full please install the clear lid and tighten the locking knobs hand tight.

Check that ALL valves are in the open position and that your filter multiport valve is set to FILTER.

It is now time to turn the power on, on the pump. This will either be via a power point or chlorinator depending on the type of swimming pool you have.

The Theraflo TVS swimming pool pump will automatically start up in priming speed (high speed) which will last for 5 minutes. Once the pool pump is primed you can then select the best suited speed for your swimming pool.

Please note: You need to ensure that you have enough water flow to provide sufficient filtration for your pool volume & system. The water flow provided can be adjusted by simply changing the speed of the motor (refer to TVS control page).

If you have a salt chlorinated pool you also need to ensure that your salt cell is always 100% full of water whilst the pump is in operation. If you are unsure of the above please consult your local swimming pool professional.

Energy Efficiency – Your Theraflo TVS has successfully been rated as an 8 star energy efficient swimming pool pump. This rating is based on the pump operating at the factory pre-set low speed of 1500. To take advantage of these energy savings we recommend you run your pump on ECO speed and extend your filtration cycle for maximum filtration of your swimming pool water.

THERAFLO CONTROL PANEL EXPLANATION



THERAFLO TRUE VARIABLE SPEED CONTROL

The Theraflo TVS has 3 factory set motor speeds, ECO, Mid & High. The buttons for each speed can be found on the control pad & also have a corresponding LED light which will be light up to signify the current speed.

There is also the True Variable Speed LCD screen which shows you the exact RPM speed of the motor.

Please Note: The LCD screen will show the current speed for only 3 minutes and will then enter power saving mode where the screen will be blank. The set speed LED light will be on to let you know which setting you are currently on.

TRUE VARIABLE SPEED MODE:

If you find that the 2 factory set speeds do not provide you with the best water flow you can adjust each speed according to your needs and all 3 set speeds can be adjusted.

To adjust any speed all you need to do is press the speed button down and hold it down for 5 seconds **(1)**. After this you should notice that the set speed LED light will start to flash – this is in Adjustment Mode. At this point it will allow you to either increase or decrease the True Variable Speed RPM in increments of 50RPM – you do this by simply pressing the UP or DOWN button **(2)** until your desired speed has been reached.

If you want to return the pump control back to factory settings all you have to do is press all 3 speed buttons at once & hold for 3-5 seconds **(1)**.

Please note: If power has been lost to the pool pump it will always revert back to the previous speed setting after priming mode.



THERAFLO CARE & MAINTENANCE

It is strongly advised to check the hair and lint pot basket area regularly for any debris. If debris is found within the basket area you should empty the basket, as a full basket can result in reduced water flow and an increased chance of blocking the impellor.

To do this, please ensure that the power to the pump is turned off before you remove the lid. You may also need to re-prime the pool pump once the clean basket has been returned. Please follow priming instructions found on start up page 4.

Regularly check the pump for any wet areas or leaks. If you find wet areas around the pump please check and re-tension the 2 connecting unions on the inlet & outlet PVC lines.

If by chance you find water accumulating at the base of the motor, this could be a sign of seal damage and should be actioned immediately to avoid any further damage. Best to consult your local swimming pool professional if this arises.

Please do not run your Theraflow TVS pool pump off an extension lead as this results in a drop in voltage current which can damage the motor.

Always ensure that the pump itself is free of flooding.

Always ensure that the pump itself is well ventilated. The pump motor will run hot during its normal operation and utilises the rear mounted fan to aid in cooling. It is essential that the rear of the pump be clear of all debris and fixtures within 100mm.

Do not under any circumstances run your Theraflow TVS swimming pool pump without water as this will damage the internal components. Running the pump dry will void any warranty so it is imperative that you maintain adequate water levels within your swimming pool at all times. Please also be aware when using any small pool toys in the swimming pool that may be small enough to block the suction line.

THERAFLO WARRANTY

Theraflo TVS carries a 3 year limited warranty and is structured in the following way:

2 years warranty on motor

1 year warranty on mechanical seal

3 years on all other parts

Our warranty covers manufacturing faults not wear and tear. We will, at our discretion, repair or replace the faulty material or part. It is your responsibility to notify Theralux at the earliest possible time of any issues found within the warranty period.

Proof of purchase is required to be presented with any warranty claim submission.

This warranty does not apply to any misuse of the pool pump, negligence or incorrect installation. We will not cover any damage due to the pool pump running dry, incorrect chemical balance of pool water, flood damage, damage caused by running the pump off an extension cord, damage caused by foreign material blocking the impellor (pebbles, organic matter, toys etc) or if the pool pump is used for any other purpose other than a swimming pool.

We will not be liable for any incidental or consequential damages, loss of time, inconvenience, incidental expenses, labour or material charges in connection with removal or replacement of the equipment or costs of transporting the goods.

We will not be liable for compensation or damages to any person for any loss, injury or damage to any person or property whatsoever, occasioned by or as a result of the use of this equipment.

Please Note: Labour and service calls are not included in this warranty.

Any Theraflo TVS pool pumps found in a commercial application will only carry a 12 month warranty from date of purchase.

Register your product warranty online at www.theralux.com.au or send a copy of proof of purchase to **PO BOX 395 Padstow 2211**