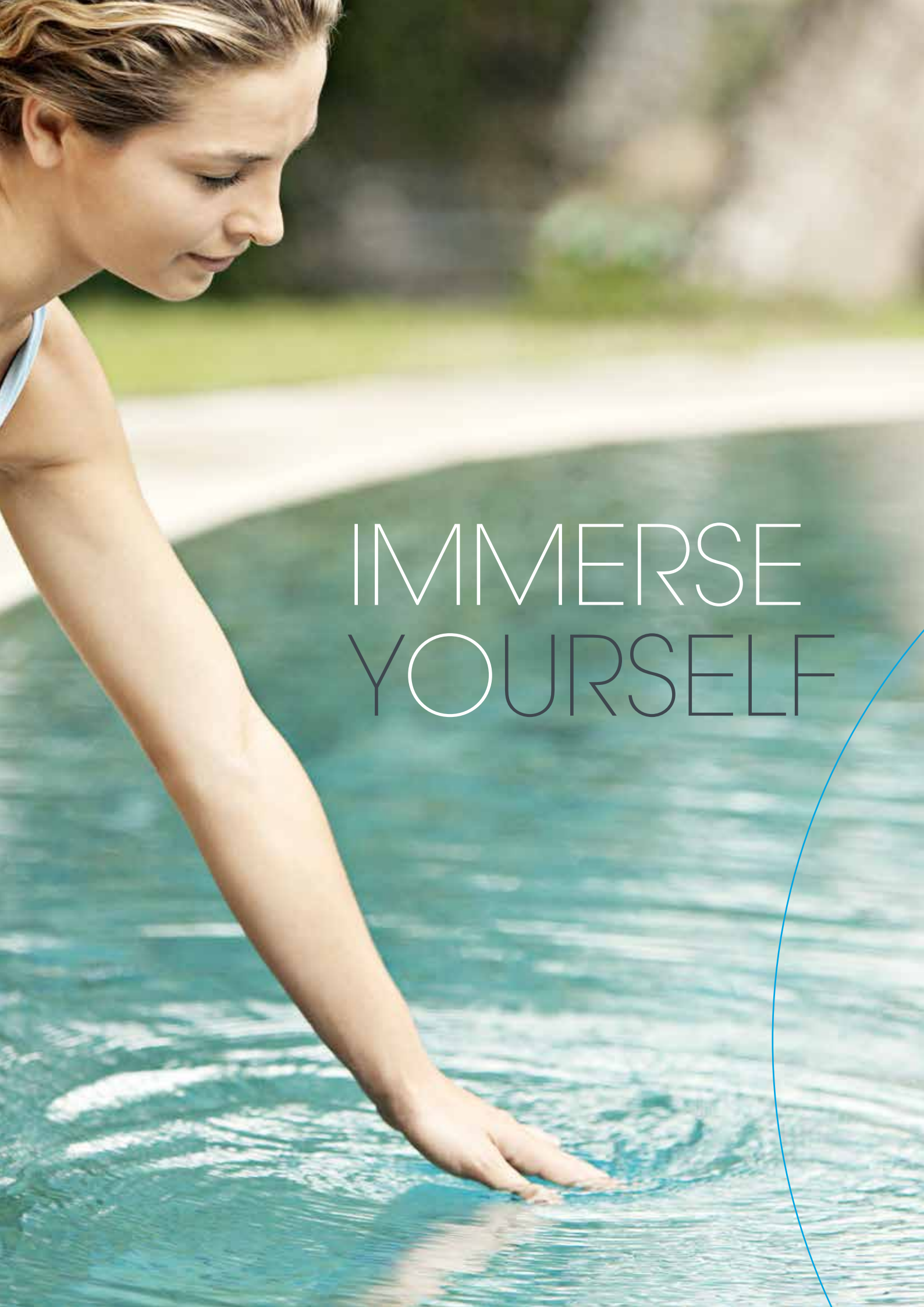




TODAYS
HEALTHY
CHOICE
STARTS HERE

 **theralux**TM
ADVANCED MINERAL POOL SYSTEM



IMMERSE YOURSELF



Health is
a state of
complete
harmony of
the body,
mind and
spirit.

Welcome to Theralux: a proudly Australian designed swimming pool filtration and sanitation system.

Representing over 100 years of water purification expertise, Theralux is the healthiest, most affordable and environmentally friendly way to transform your pool into a rejuvenating therapeutic experience.

Combining advanced filtration technology with a natural mineral formula, Theralux provides the healthiest and safest swimming environment for your backyard.

Harnessing the cleansing elements found in natural mineral baths and oceans around the world, Theralux eliminates issues common in less sophisticated systems such as green water, stinging eyes and itchy skin. Now you can swim in comfort, free from the bitter taste of salty water and the harsh, chemical smell of chlorine lingering on the body long after you've left the water.

What's more, as Theralux is highly energy efficient, you can enjoy a rejuvenating swim while making substantial savings on your electricity bills.

Find the right Theralux system for your pool today and enjoy the luxurious swimming experience you and your family deserve.

You'll discover the improvement in water quality and the therapeutic benefits to all who swim in a Theralux pool.

BENEFITS FOR YOU



Good Health

- Theralux treated mineral pool water is filled with natural emollients, which leave the skin feeling soft and smooth, perfect for those with sensitive skin ailments.
- Theralux cutting edge filtration equipment provides crystal clear clarity, eliminating germs and bacteria from your pool while ensuring a clean, mild taste.
- Mineral enhanced pools deliver a range of therapeutic benefits, ensuring you feel relaxed and rejuvenated after every swim.

More Efficient

- The entire Theralux system has been designed to be as energy efficient as possible.
- Our 8 Star Energy Rated Theraflo TVS pool pump will provide substantial electrical consumption savings over its lifetime.
- Our Theraclear Filter and Glass Filtration Media produce optimum hydraulic conditions for your pump to deliver considerable energy savings.

Smart Money

- Due to its outstanding energy efficiency, the Theralux system delivers substantial cost savings over its lifetime.
- By reducing the need for backwashing, Theralux also significantly reduces water usage and costs.
- The reduction in backwashing also minimises the amount of chemicals required for balancing, saving you even more money.
- Due to its superior design, the Theralux system also reduces the need for speciality chemicals like clarifiers & algaecides, further reducing your expenses

Eco Intelligence

- By reducing the amount of water required to top up your pool after backwashing, the Theralux system helps save this precious resource. This will provide considerable literage savings over the life of the system.
- Theralux will play a role in reducing Urban Salinity, with an impressively low salt/mineral content of 3000ppm.
- Theralux pool water requires less ongoing treatment, cutting the use of harsh chemicals.

BENEFITS OF USING AN ENHANCED MINERAL ADDITIVE

Theralux is a division of International Quadratics. Proudly Australian-owned with over 100 years of industry success, International Quadratics is a leading manufacturer of swimming pool chemicals for local and international markets. We believe the time of heavily salted or chlorinated pools is over. Through our combined experience and expertise, we aim to deliver you the healthiest, safest, most cost effective and environmentally friendly swimming environment possible.

Several scientific studies of swimming pool water have recorded the beneficial effects certain mineral compositions have on the human body. One composition in particular, magnesium chloride, has been proven to provide a number of substantial health and wellbeing benefits to the bather.

Mineral enhanced swimming pool water provides a softer and more natural feel. Its mild flocculating capabilities help to filter out extremely fine material such as dust and dirt, providing a crystal clear swimming pool all year round. This reduces the need for specialty chemicals like clarifiers and algaecides, delivering you further cost savings.

A mineral enhanced additive feels pleasant, has little to no taste and moisturises your skin as you swim. For sensitive skin, including young children and people with conditions like eczema and dermatitis, Theralux is the ultimate choice. It also provides natural relief for injuries and muscular complaints—using a mineral content, it will be absorbed through the pores of the skin, relaxing the nervous and muscular system.

Each year millions of people fly around the world to exotic locations to bathe in natural mineral baths and springs. These proclaimed 'fountains of youth' contain naturally occurring combinations of minerals that soothe the body and relax the mind.

Using a mineral enhanced additive will produce the same therapeutic effect. One swim leaves you feeling calm, nourished, rejuvenated and revitalised. It's like a natural bath in your backyard.

When compared to traditional salt and chlorine pool sanitation, a Theralux pool is also the best choice for the environment. Our efforts to reduce sodium usage in our pools helps reduce urban salinity and, because salt is highly corrosive, using less prolongs the life of any accessories and products used in and around your pool.

A mineral enhanced additive can be added to any pool to improve the swimming experience, we recommend using the additive in conjunction with the entire Theralux System to unlock the full potential of natural mineral swimming.

Play your part in a greener tomorrow and enjoy a more luxurious swimming experience for you and your family, switch to a Theralux Pool today.

THE TECHNOLOGY



Pump:

The Theraflo TVS 8 Star Energy Rated pool pump provides considerable energy and cost savings due to its efficient motor design, reducing your carbon footprint.



Chlorinator:

Our Therachlor Chlorinator has been designed with your needs in mind. It combines a sleek design with user-friendly navigation to provide all the functionality and flexibility you need to create the perfect control unit. Compatible with mineral and salt pools operating at a low TDS level of 3000ppm.



Cell:

Connected to the Therachlor Chlorinator is our revolutionary cell. Unlike conventional shaped cells, our design allows for higher water velocity over the cell plates with lower restriction to deliver improved water sanitation. The internal casing promotes a longer lifespan while playing an integral role in the cell's automated cleaning process. The cell plate material has been specifically designed to complement an enhanced mineral additive.

Health is a relationship between you and your body.



Filter Tank:

Our Theraclear Filter features a revolutionary twin layered tank to provide extra strength, stability and durability.



Heat Pump:

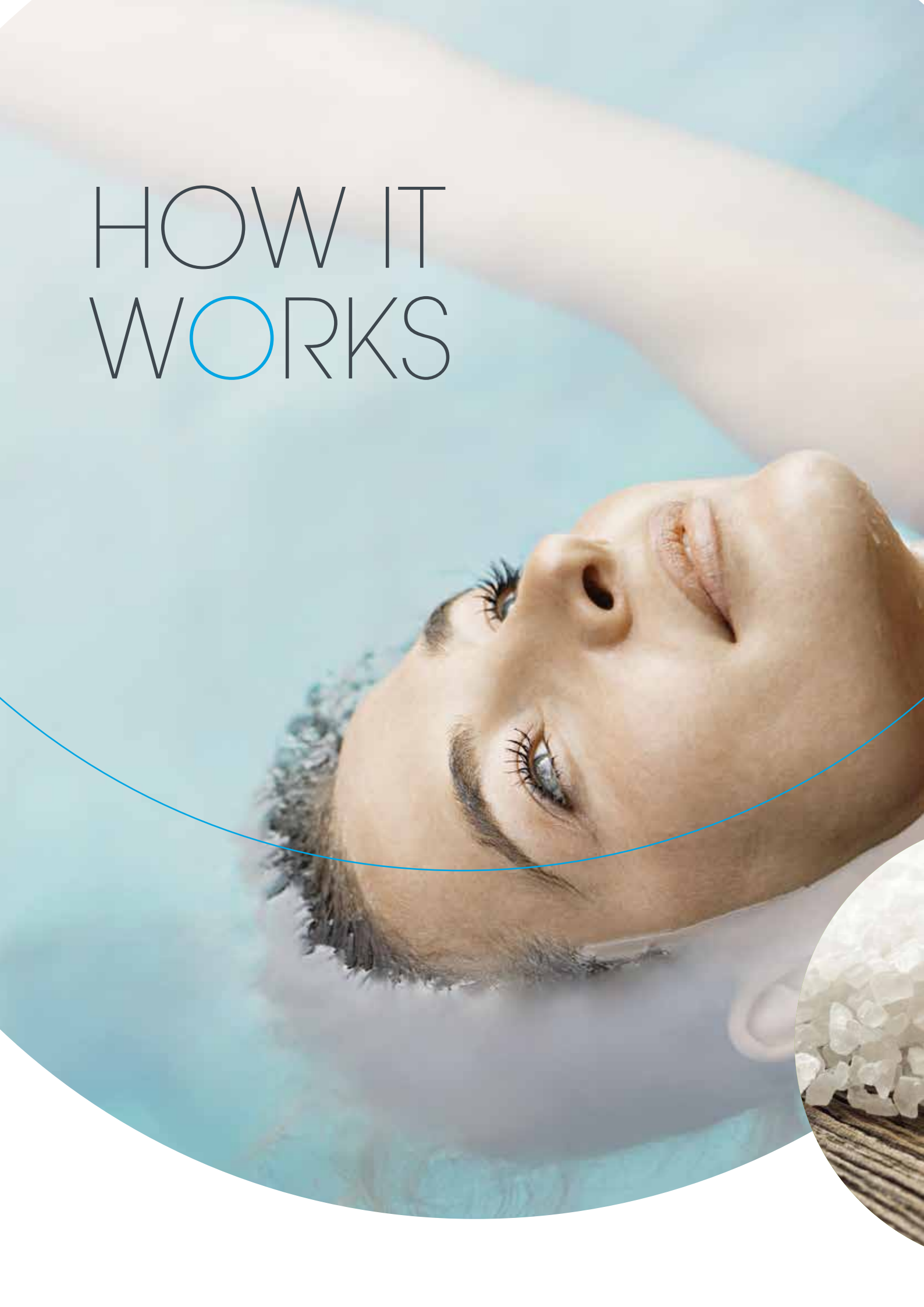
Theratherm Heat Pumps provide you the luxury of using your pool all year round. Harnessing the warmth of nature, our range of heat pumps will heat your pool economically and efficiently whilst being kind to the environment.



Glass:

Theraclear Glass Filtration Media is 100% recycled. It offers the finest filtration for your swimming pool while saving you money through reduced backwashing. When it's time to backwash, you can rest assured you are doing the right thing by the environment as Theralux treated water has lower salt levels and less of the harsh chemicals used in standard swimming pools.

HOW IT WORKS





Your Theralux mineral pool will leave you feeling relaxed, rejuvenated and ready to get the most out of life.

Once the Theralux system has been installed, an enhanced mineral additive can be added to the pool water. The additive will then usually take between 12-24 hours to completely dissolve, depending on the amount added. At this point, the Theralux system can be turned on via the user-friendly control panel on the Therachlor Chlorinator.

The Therachlor Chlorinator communicates with the Theraflo TVS pool pump to automate waterflow. Mineral water is pumped from the pool into the Theraflo TVS and transferred into the Theraclear filter. It is here where the mineral water flows through the Theraclear Glass Filtration Media, providing fine porosity filtration, eliminating foreign particulate matter. The right enhanced mineral additive will also provide mild flocculation affects within the pool water, allowing for finer filtration.

Once filtered, the cleansed mineral pool water is pumped through the Theratherm Heat

Pump where it is heated to the desired swimming temperature.

The warm mineral water is then pumped through to the Therachlor Cell where any bacteria is eliminated through electrolysis. This process also produces a natural emollient by-product that is pumped into your pool to provide superb water clarity and a healthier swimming environment.

All that remains now is for you to dive in your new Theralux mineral swimming pool. The first thing you'll notice is the crystal clear clarity of the water. The water will feel soft and pleasant with no taste or smell and will not irritate the eyes or skin. It's a pleasure to bathe in.

After your swim your skin will feel soft and moisturised. Your Theralux mineral pool will leave you feeling relaxed, rejuvenated and ready to get the most out of life.

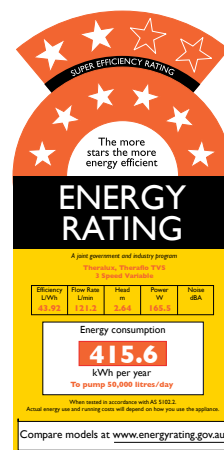


therafloTVS

Featuring the latest innovations and technology, the Australian-designed Theraflo TVS swimming pool pump delivers adjustable water flow and energy savings at the push of a button. Unlike conventional single speed pool pumps, the Theraflo TVS also features adjustable speed controls to better meet your water requirements.

Designed to seamlessly integrate into the Theralux system, this energy efficient pool pump is compatible with every filtration system, ensuring you can save money on your electricity bills while maintaining a cleaner, healthier swimming pool.

Available in 1.0hp and 1.5hp



Features & benefits:

- Suitable for any swimming pool system.
- Highly efficient 8 Star energy rated motor reduces running costs.
- Environmentally-friendly Axial Flux motor reduces your carbon footprint.
- Low noise operation allows you to take advantage of off-peak hours.
- True Variable Speed motor adjustment allows you to select the best pump speed for your swimming pool filtration and cleaning needs.
- 3 factory pre-set speeds for easy use straight out of the box.
- True Variable Speed LCD that displays the pump motor RPM speed for easy reference.
- Adjustable quick connect barrel unions for simple installation of both 40mm & 50mm pipe.
- Large robust wet end that allows for fast water flow and holds large capacity debris basket.
- Large clear square lid with 2-screw down clamping knobs is easy to remove.
- Australian made wet end.

Technology

The Theraflo TVS 8 star energy efficient swimming pool pump marks the forefront of innovation in pool technology. It features 3 factory pre-set speeds that can be selected at the push of a button at any time during the run cycle – ECO, MED, HIGH.

The revolutionary True Variable Speed LCD displays the selected RPM speed.

However, if you feel that the water flow produced at these pre-set speeds is not suitable for your requirements, you can adjust the True Variable Speed by 50RPM increments until you achieve the desired water flow.

This adjustment control allows you to select the most efficient speed for your swimming pool filtration. It also allows you to increase pump speed for any type of cleaning or backwashing, providing you with the most flexible and effective pump on the market today.

The adjustable speed controls allow the Theraflo TVS to operate more energy efficiently, saving you thousands of dollars over its lifetime.

Theraflo Control Panel



1.0hp

LPM	Metres Head
ECO SPEED	
127	2.54
85	3.02
MED SPEED	
308	3.15
274	4.35
239	5.21
205	6.09
137	7.11
HIGH SPEED	
322	6.01
283	7.46
241	8.8
200	9.69
161	10.64

1.5hp

LPM	Metres Head
ECO SPEED	
168.4	2.29
126.25	3.02
21.05	3.8
MED SPEED	
301.42	3.86
268.11	4.99
234.57	5.94
201.5	6.73
167.5	7.46
134.37	8
HIGH SPEED	
455.15	4.29
409.55	6.68
364.15	8.65
318.35	10.37
273.52	11.85
227.9	13.2
182.23	14.23

Dimensions:

1.0hp: L 688 H 378 W 215mm

1.5hp: L 765 H 378 W 215mm

Warranty:

3 year warranty

therachlor

Therachlor SMC represents the next generation in swimming pool chlorination technology. Fully automated and featuring a Switch Mode power supply, Therachlor is a highly energy efficient swimming pool sanitation system. It will save you time and money and reduce your carbon footprint while maintaining a cleaner and healthier pool.

With a simple to navigate digital interface and a backlit LCD, Therachlor is easy to set up and operate.

Available in 25G and 35G.



Features & benefits:

- Compatible with all salt and mineral water pools operating at a low TDS level of 3000ppm. This is up to a 50% reduction when compared to traditional salt pools.
- Switch Mode power supply for greater energy efficiency.
- Switch Mode power supply providing greater cell output per cm².
- Switch Mode power supply significantly reduces internal heating, providing greater longevity of all internal components.
- Pump protection power cutoff.
- Backlit LCD display.
- Dual layered LCD display for easy viewing.
- Digital interface with simple software navigation menu.
- Reverse polarity cell with self cleaning capability.
- Slimline power pack for reduced unit size.
- Rubber inserts moulded onto cell head for easy cell removal.
- Transparent cell housing for easy visual access.
- Innovative internal cell design improves water hydrodynamics over the electrodes.
- Versatile cell housing installation allows either horizontal or vertical orientation.
- Cell electrodes constructed from the highest grade titanium for increased cell lifespan.
- Single button Shock feature with variable running time between 1 – 24hrs.
- Re-engineered cell connection terminals simplify connection and reduce corrosion.

Technology

Featuring reverse polarity self-cleaning cell, grade 1 titanium coated electrodes for longer life and Switch Mode Chlorinator technology, Therachlor provides greater output per square centimetre of cell material when compared to conventional chlorinators. The Switch Mode power supply delivers a precisely controlled electrical current with lower energy consumption for longer cell life. It also features pump protection, a low salt alarm, single button shock dose automation with adjustable time settings, a 24-hour timer with multiple timing set points and digital output control from 10% - 100%. You can set this chlorinator to cater to your every need and relax in knowing your pool will remain crystal clear all year round.

Therachlor's sleek contemporary design eliminates the need for space within the filter box, and its fixed mounting bracket makes installation easy.

Revolutionary cell housing allows the cell to be installed either horizontally or vertical adding versatility for difficult site installations. Inside the housing, hydraulically engineered cell casing ensures maximum water flow across the electrodes for even greater energy efficiency.

Although we recommend operating Therachlor in conjunction with a mineral enhanced additive, the unit is compatible with conventional pool salt. Requiring only half the salt quantity of a standard pool, a Therachlor controlled pool is much more economical to run.



Warranty:
3 year warranty



Designed specifically for the Australian climate, The Theraclear swimming pool filter is the toughest product on the market. The revolutionary TWIN layered tank features a strong Polyethylene inner layer that is reinforced with a robust, durable Fibreglass outer layer, ensuring an exceptional lifespan.

Simple to operate, UV stabilised and corrosion resistant, the Theraclear filter is part of the unique Theralux swimming pool system. Combined with the Theraclear Glass Filter Media it provides crystal clear water clarity and a healthy pool all year long.



Features & benefits:

- Choose from three sized models: 25" 40mm, 25" 50mm and 28" 50mm.
- Twin layered filter tank provides extra strength for a longer life.
- Simple to use six-way multiport valve for easy operation.
- High flow filter tank internals provide supreme water recirculation.
- Top diffuser allows even distribution of water over the filtration media bed.
- UV resistant materials allow operation in direct sunlight.
- Clamp lock-on valve allows 360-degree rotation for easy installation.
- Clear in-line backwashing sight glass to help easily monitor your filter.
- High quality oil filled pressure gauge.
- ABS internal lateral assembly.
- Robust base.



Technology

The Theraclear twin layered tank sets the benchmark for swimming pool water filtration. Used in conjunction with Theraclear Glass Filter Media, it delivers deep bed filter penetration for better water flow, decreasing the loading on your pump. It provides finer filtration and reduced backwash frequency—and less backwashing means less money wasted on chemicals and water.

By cutting wear and tear, water and expense, the Theraclear filter gives you more of one thing: time to enjoy your swimming pool.

MODEL NO	Theraclear 254	Theraclear 255	Theraclear 285
FILTER AREA (m ²)	0.32	0.32	0.41
HEIGHT (mm)	950	950	1092
TANK DIAMETER (mm)	635	635	723
DESIGN FLOW (m ³ /h)	15.60	16.32	20.16
SILICA SAND (kg)	145	145	215
GLASS MEDIA (kg)	105	105	165
VALVE CONNECTIONS (mm)	40	50	50



Dimensions:

254: H 950 x D 635 mm
255: H 950 x D 635 mm
285: H 1092 x D 723 mm

Warranty:

10 years on tank
1 year on multiport valve, tank
internals & pressure gauge

theraclear

GLASS FILTRATION MEDIA

Theraclear Glass Filtration Media creates a cleaner and healthier swimming environment. It improves water flow through the filter and decreases loading on the pool pump to extend pump life. Theraclear Glass Filter Media is a breeze to clean and maintain.



Features & benefits:

- Environmentally friendly.
- Fine filtration down to 3 microns, superseding other filtration types.
- Manufactured from 100% recycled material.
- Smooth design reduces bacteria growth.
- Less likely to block and channel like other filtration media.
- Exceptional cleaning ability.
- Reduces chemical usage, saving you money.
- Provides superior water flow inside the filter, reducing the loading on your pool pump.
- Triple the life of other filtration media.
- Requires less frequent backwashing, saving you water and chemicals.
- When incorporated into the Theralux system with a mineral enhanced additive it provides a mild flocculation of particulate matter such as dust, algae, dirt etc. Once these particles become coagulated, they are then trapped in the filter thanks to the fine porosity of the Theraclear Glass Filtration Media. This creates a healthier and crystal clear swimming environment with the added benefit of therapeutic minerals.

Technology

Manufactured from 100% recycled material, Theraclear Glass Filtration Media is environmentally friendly and boasts a reduced carbon footprint when compared to traditional filter media. The product's smooth surface provides fine filtration and discourages bacteria growth, making it the smart choice for cleaner, healthier swimming.

The smooth surface of Theraclear Glass Filtration Media provides supreme water flow through your filter tank, which creates better hydraulic water recirculation through your entire swimming pool. The better the hydraulic performance of your pool system the less work your pool pump has to do, this will allow your pool pump to have a longer life expectancy. As this product provides better flow through your filter tank it reduces your backwashing frequency, this means that it saves your water usage & reduces your pool chemical wastage saving you money. Theraclear Glass Filtration Media provides finer porosity water filtration and discourages bacteria growth due to its non-porous nature. The outcomes of these features provide you and your family with the healthiest swimming pool water possible all whilst saving you water & money.

Theraclear Glass Filter Media is an integral part of the complete Theralux system. It can also be purchased separately and added to your existing filter to improve water quality.

Grades:
Fine and Coarse



theraclear

CARTRIDGE FILTERS

The Theraclear CF range will provide you with trouble free filtration and crystal clear water. The cartridge filters are all constructed from high impact polypropylene and designed to make maintenance simple.

The compact design allows these filters to be placed within the smallest of plant rooms without sacrificing any water filtration capabilities.



Features & benefits:

- Air relief valve.
- Easy to read pressure gauge.
- Hand operated locking ring allowing access to cartridge filter element.
- Low profile tank design allows easy removal of the cartridge element for cleaning purposes.
- Cleaning is performed simply by hosing the element down with a standard garden hose.
- Solid one piece polymer tank.
- Heavy duty polyester filtration fabric with wide deep pleats provides better filtration efficiency, easier cleaning and longer cartridge life.
- 50mm quick connect barrel unions for PVC pipe connections.

Technology

The internal cartridge filter element has been fabricated from pleated re-usable polyester fabric. The design of the internal pleating allows for maximum storage capacity of foreign matter and also aids in the cleaning process which promotes a longer life.

With three filter sizes in the range all pool volumes are catered for.

MODEL NO	135	180	225
FILTER AREA (sq ft)	135	180	225
MAX FLOW (lpm)	510	510	510
WORKING PRESSURE (kpa)	350	350	350
HEIGHT (mm)	668	668	1170
DIAMETER (mm)	483	483	483

Warranty:

10 year tank warranty (5+5)
1 year on all other components.



Theratherm Heat Pumps enable you to enjoy your pool all year round.

Designed in Australia for Australian conditions, Theratherm Heat Pumps come in a range of sizes to suit a variety of swimming pool volumes.

Harnessing the warmth of nature, Theratherm Heat Pumps are highly economical and environmentally friendly.



Model	Theratherm 9.5kw	Theratherm 13.5kw	Theratherm 18.5kw	Theratherm 25kw
*Heating Capacity at Air 27 , Water 27 , Humidity 80%				
Heat Output (kW)	9.5	13.5	18.5	25
Power consumption (kW)	1.53	2.14	2.94	4.10
COP	6.2	6.3	6.3	6.1
*Heating Capacity at Air 15 , Water 26 , Humidity 70%				
Heat Output (kW)	6.8	9.5	13.5	17
Power consumption (kW)	1.51	2.11	2.93	3.78
COP	4.5	4.5	4.6	4.5
*General data				
Voltage	220-240V / 50Hz / 1 phase			
Rated current (A)	6.7	9.3	12.8	17.8
Fuse current (A)	15	20	35	35
Advised water flux (m /h)	2.8-5.6m /h	4-7.9m /h	5.6-11.2m /h	7.1-14m /h
Water Pressure Drop (kPa)	12	15	16	18
Condenser	Titanium in PVC			
Refrigerant	R410A			
Water connection	40mm			
Fan speed	830-870RPM			
Noise level (10M)	40dB(A)	43dB(A)	44dB(A)	47dB(A)
Noise level (1M)	49dB(A)	52dB(A)	53dB(A)	56dB(A)
Net Weight (kg)	37	63	90	130
Gross Weight (kg)	42	70	100	133

Technology

Heat Pumps utilise the warmth in the air to heat your swimming pool water and this is now the most efficient form of responsive pool heating. The Theratherm Heat Pump range can provide you with heating all year round offering you a warm pool whenever you desire.

Featuring an innovative digital control panel, Theratherm offers warm swimming at the touch of a button. Simply select the desired temperature and let Theratherm do the rest. As it's fully detachable, the control panel can also be mounted externally. Now you can adjust the temperature of your pool while relaxing in your outdoor area.

Theratherm Heat Pumps are just as compact as they are convenient. Featuring an innovative horizontal design and corrosion-resistant ABS housing, Theratherm takes up much less space than traditional pumps while offering an extended operational life.

The Theratherm range is also whisper quiet. Operating as low as 49 decibels from a distance of 1 metre, the range is as inaudible as a high-end household dishwasher.

The Theratherm Heat Pump range can be used and installed on any swimming pool to provide heating all year round. They can also be used as a solar heating replacement option designed as a season extender so that you and your family can get the most out of your swimming pool.

For best results, use Theratherm in conjunction with the entire Theralux system and experience the luxury of warm natural mineral bathing in your backyard.

Features & benefits:

- Provides heating at ambient temperatures of -7 Degrees Celsius and above.
- Environmentally friendly R410A refrigerant
- ABS corrosion resistant housing
- Horizontal compact design reducing space usage
- Long life Titanium condenser
- Automatic defrost functionality
- Durable Scroll Compressor (rotary on smaller kw unit)
- Thermal Expansion Valve for greater efficiency
- Simple control panel allows you to set your desired water temperature and enjoy
- Quiet operation
- 10 metre extension cord allowing you to install the control panel externally in your alfresco or entertaining area
- Hydrophilic coating on heat entrapment device preventing corrosion
- Highly efficient operation
- Coaxial corrugated copper tubing allows for improved airflow transfer & efficiency

Dimensions:

9.5kw: 1030x335x560 mm
13.5/18.5kw: 1065x360x775 mm
25kw: 1113x410x920 mm

Warranty:

7 years on compressor
7 years on titanium heat exchanger
2 years on all other parts

The Theralux Advanced Mineral Pool System can be used with any form of sanitised pool to improve the swimming experience. However for truly sublime swimming, we recommend using the system in conjunction with a mineral enhanced additive.

Similarly, each Theralux component can be purchased and operated individually. However, we recommend purchasing the complete Theralux Pool System to experience the pinnacle of mineral bathing in your backyard.

Choose Theralux and enjoy the healthy, relaxing and revitalising swimming experience you and your family deserve.

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