



*“A must read for prospective pool owners”*



# smart pool the difference



## What is a smart pool?

### Important reading:

Please find relevant information for you to read, prior to us providing you with a Swimming Pool Proposal.

At 4Blue we don't want to pressure you in to one type of pool or another, but would rather arm you with facts and figures so that you can make an informed decision and understand what is available for you to choose from, based on your needs and budget

We also understand that some of our clients will want a simple pool to get in and swim in, and are happy to spend the time and money to upkeep the pool, whilst others want all the bells and whistles and do next to no maintenance, what we call a swim ready pool, or a 4Blue smart pool.

To help you understand the different pool types we have outlined below the 2 types (typical) found in our industry

The two distinct types of pools are:

1. **Industry Standard Pool** – gets you swimming, vary basic pool, normal construction and hydraulic practices
2. **4Blue Smart Pool** – Since the day we first opened our doors, it's been our goal to build a better swimming pool - A pool that we can be proud of. **That's why we created "The Smart Pool™"** - To help homeowners get a high-quality swimming pool at a reasonable price.

#### **So what is so good about a smart pool?**

Our 4blue smart pools, can clean themselves, have optimum circulation, giving you healthier water to swim in, require up to 40% less chemicals, the water is warmer to swim in, extending your swim season, they have less evaporation, have a higher tensile strength, ie stronger, have high quality products, and on top of all that, we use smart construction methods. This will produce a swimming pool that is cleaner, safer, looks better, costs less to operate, and lasts for a lifetime. That's why we called it **"The 4Blue Smart Pool"**.

Want a bells & whistles pool, you can simply add additional options to your 4Blue smart pool , these options are endless. We can offer the very best our industry has to offer in construction materials and practices, professionally designed both aesthetically and hydraulically, efficient, self cleaning, innovative in every way, design, form , function and aesthetically pleasing . A much more complex pool to build but yet an easy pool to operate. Premium finishes, premium equipment etc. I am sure you get the idea.

When you receive your proposal, you will be provided with 2 investment options for your proposed swimming pool, one for an Industry Standard pool and one for a 4Blue smart pool.

These prices provided are still flexible, i.e. you can add in or out various options you want to select for your pool, and of course we are happy to sit down with you to advise on the outcomes of each addition or subtraction, so that you can make an informed decision based on form, function and bottom line.

## Re Spa

If you are considering a spa, please understand there are many ways to build a spa pool, we will provide an additional section devoted to the construction of a spa and also will provide options for the spa, as per the pool, so I guess you could say we also can build you a Industry standard spa or a 4Blue Standard spa., and like the pool classifications the spa usually has two distinct **price points** when quoting a spa, these are:

1. **Industry Standard Spa** – gets you bubbling away, vary basic spa, normal construction and hydraulic practices.
2. **4Blue Standard Spa** – better than average spa pool, 4 blue designed, will be automated so that you spa at the touch of button, no messy turning valves this on - that off, before you spa, just simple operation.

# What are the benefits of a Smart pool?



## Cut power bills

Let us show you how we can cut your power bills with new technology in pool equipment that will put significant money back in your pocket every year



## Saves you money

Our smart pools save you money by:

1. Cutting your power bill by using energy saving pumps.
2. Reducing your chemicals required by our circulation systems.
3. Automatically refilling, avoiding low water and pump burn outs



## Conserves Energy

Our smart pools consume far less energy from your local power provider, because we use variable speed and variable flow pumps, therefore we set the pump speed to only run as fast as its required to move the water we need to efficiently clean, and sanitize the water.

There will be no wasted energy with oversized or over powered pumps running at excessive speeds for the job at hand



## Self clean

Our smart pools will clean themselves, with the addition of our licensed PCC 2000 cleaning system by Paramount. Our smart pools are guaranteed to clean 99% of your pool interior. Simply put, it cleans your pool so you don't have to. Spend your time enjoying your pool, not maintaining it.



## Conserves Water

Our smart pools will evaporate less water, because all parts of the pool will be at the same temperature. This is due to the circulation system in the swimming pool. Simply put cold water is taken from the bottom of the pool and warm water from the top, and when it is returned it is all mixed together resulting in even temperatures.

We often also add auto refill systems, so no need to worry about the skimmer getting sucked dry and burning out a pump.

They also have unique filtration systems that mean they only require cleaning once a year and there is no backwashing



## Fully automated

Our smart pools do not rely on you turning them on and off, they are self automated and continually balance the water, while you are away. They self level with water and can be controlled to suit your liking.



**Healthy Water** is our most precious resource and the most important component in any swimming pool, with our smart-pools you have access to the very latest technology in pool water sanitization. The mineral rich water in Magna-pool has a clarity equivalent to that of distilled water, it is both gentle and rejuvenating whilst providing a number of benefits around health and beauty via the transdermal absorption of Magnesium through your skin, particularly for those with sensitive or problematic skin. Magnapool also reduces the need for many harmful chemicals, conserves water and when backwashed into the environment contains minerals that plants do in fact use as opposed to salt which is exacerbating urban and dryland salinity, a billion dollar problem here in Australia.

Talk to us about making your pool, your very own health retreat

# What are the 4Blue Smart Pools, Difference's?

See for yourself, here are some pictorial explanations to help you understand the differences between an Industry Standard Pool and a Smart Pool.

## Circulation

Healthy swimming pool water is what every pool owner expects, but it's not what every pool owner gets, that's because not every pool is custom for optimum circulation.

Smart pools have an advanced In-Floor pool circulation system custom designed for each pool to maximize circulation and improve your overall swimming environment. Using the latest state-of-the-art In-Floor technology, Smarts pools will help you maintain a healthier pool while helping reduce your chemical and energy costs

1. Hydraulically-engineered circulation nozzles are placed into the pool floor. Whenever the pump is activated, the nozzles pop up to deliver a jet stream of freshly filtered water across the pool floor.
2. When not operating, the circulation nozzles retract flush with the pool floor, becoming virtually invisible. All that's left to see is a better circulated pool.
3. The circulation nozzles will sequentially rotate 360 degrees so that freshly filtered water is evenly dispersed throughout the entire pool.



Ordinary pool circulation

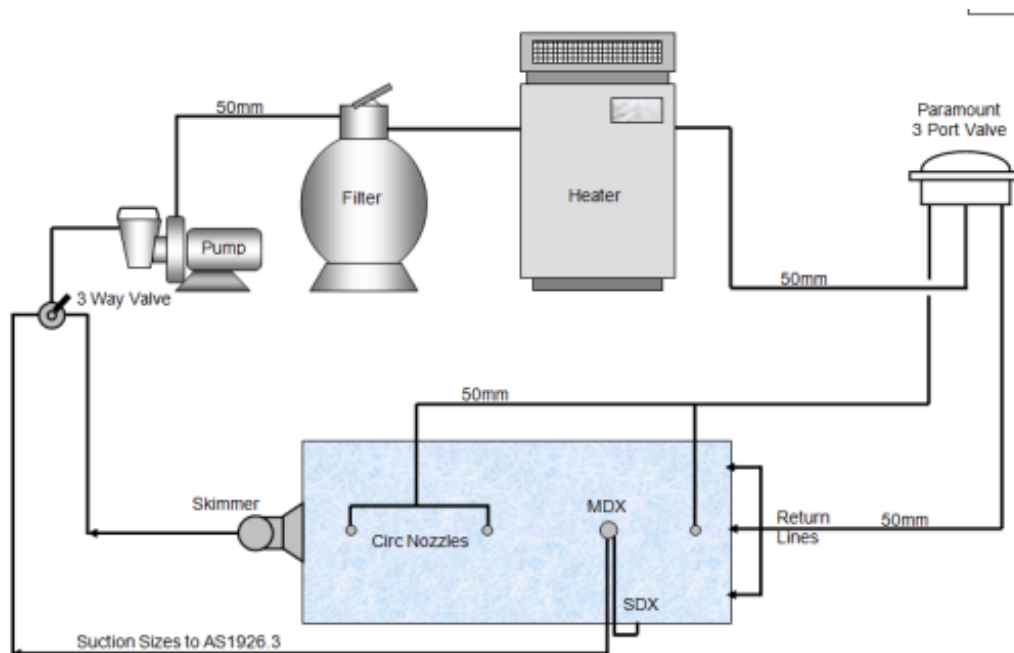


Ordinary pool heat circulation



Smart pool chemical and heat circulation

Explanatory diagram of circulation system below



## Self Cleaning Pool (Option to go to a full Self Cleaning Pool)

PCC2000 is a cleaning and circulation system custom engineered specifically for the pool you create. It will clean any pool you design with pop-up spray nozzles built into your pool during construction. PCC2000 will clean steps, benches, fountains, walls, even your spa, any way you design it.



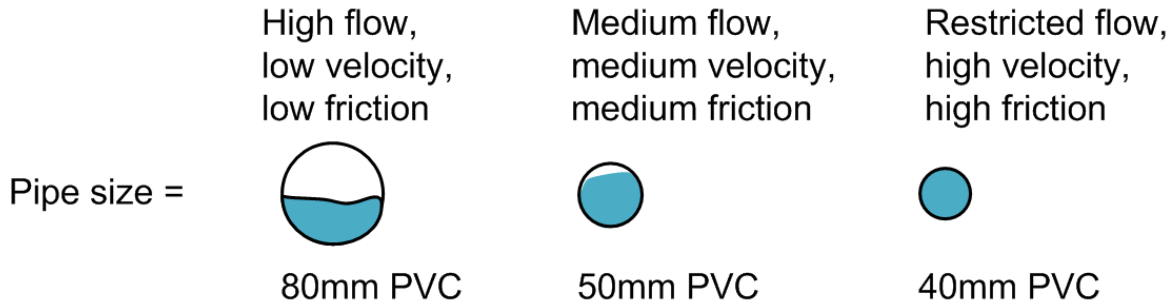
More than a simple cleaning system, PCC2000 is a better way to build your swimming pool. The pop-up nozzles push debris from every corner of your pool toward the Patented Collection Zone, an area stretching across the deepest part of your pool where debris is then directed to the active main drain. From there, pool waste travels to the optional debris containment canister designed for convenient deck-side access.

PCC2000's pop-up nozzles come in 8 colours to complement your pool's interior. They are virtually undetectable when not in use. This is a great improvement on the bulky robotic cleaners and floating hoses of yesterday. PCC2000 allows for unlimited creative freedom during pool design because its patented collection system is engineered using state-of-the-art C.A.D. technology for each unique setting. PCC2000's cleaning system is not only safe for any pool surface, but also saves money in heating and chemicals over the lifetime of the pool.

Paramount's PCC2000 enhances your pool invisibly; it keeps your backyard pool clean, automatically without your time and labour. *(Note, not a standard option in a smart pool) its is optional, but advisable in heavy tree locations or area's where your pool may collect or have debris enter the pool*

## Pipe size

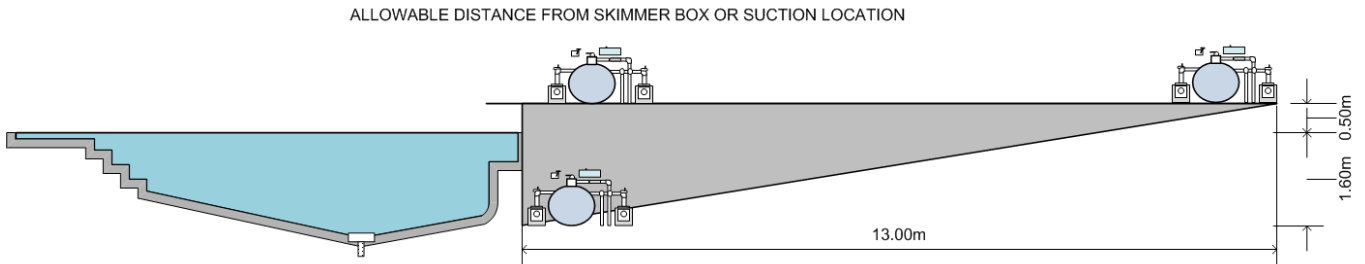
When it comes to pipes in your pool, bigger is definitely better. Using small pipe is like driving your car with a handbrake on, sooner or later something will brake (no pun intended) your pump is no different if it is continually struggling to push water through a small pipe, offering plenty of resistance and friction. Explained simply a correctly sized pipe and hydraulic system for your pool means you will not be replacing pumps or any other working parts until they literally give up of old age.



High velocity = suction and entrapment, like at the end when you drain the kids bath. We want to avoid this at all costs.

## Equipment location

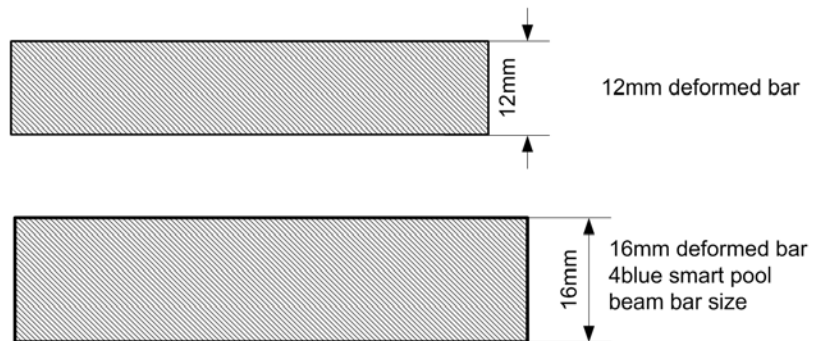
The most efficient filtration systems are generally closest to the pool, however not all pool and landscape designs can accommodate the pool equipment right next to the pool area, that's why with the use of our larger pipes/hydraulics, we are able to place the plant and equipment further from the pool without any negative results on the filtration of your pool or lifespan of your equipment..



## Steel bar size

The tensile strength of your pool is determined by the steel, whilst the concrete adds the compressive strength, the steel is the determining factory usually when it comes to cracking etc.

Each 4Blue pool has 16mm bars located in the ring beam of the pool, not 12mm like industry standard pools. Also all out of ground pool walls have an additional steel mesh layered added for extra strength.



## Concrete Cure Strength

Industry standard pools are sprayed with concrete then left to cure by themselves. Unless the client remembers to water it down. Rarely is a curing process followed through. Every Smart pool is cured and water misted for 2-3 days.

**WHAT IS CURING?** Curing means to cover the concrete so it stays MOIST. By keeping concrete moist the bond between the paste and the aggregates gets stronger.

Concrete doesn't harden properly if it is left to dry out.

**WHEN TO CURE** Curing is done just after finishing the concrete surface, as soon as it will not be damaged.

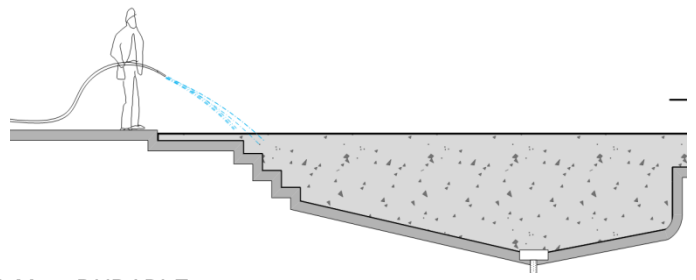
**WHY CURE** Concrete that is cured is: LESS LIKELY TO CRACK. More DURABLE.

Cured concrete has a surface that wears better, lasts longer and better protects the steel reinforcement.

**STRONGER** The concrete can carry more weight without breaking.

**HOW TO CURE** Concrete is cured by: APPLYING EXTRA WATER to the surface of the concrete, or STOPPING water loss from the concrete.

The simplest method of APPLYING WATER is to put a continuous fine, misty spray of water over the concrete.



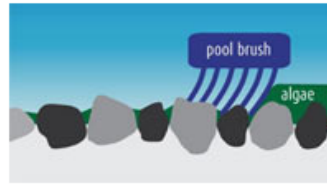
## A Better Interior Finish

See sample images of the interior differences in the options section, under Aristone

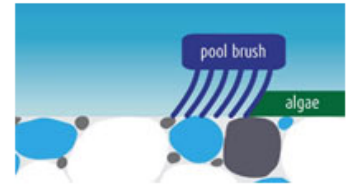
### A Smoother Surface for Easier Maintenance

Smoother pool surfaces are easier to keep clean because they don't have the 'valleys' you might find in rougher pebblecrete or pebble finished pools.

Deep exposed pebbles (where excess cement is removed with high pressure water) leaves deep valleys where dirt and grime collect and pool devices often can't reach.



'Deep exposed' pebbles (where excess cement is removed with high pressure water) leaves deep valleys where dirt collects and pool cleaning devices can't reach.



'Lightly exposed' stones (exposed with a gentle acid wash) leave a smoother, easier to clean surface.

The lightly exposed stones in Aristone leave a smoother surface that is easier to clean.

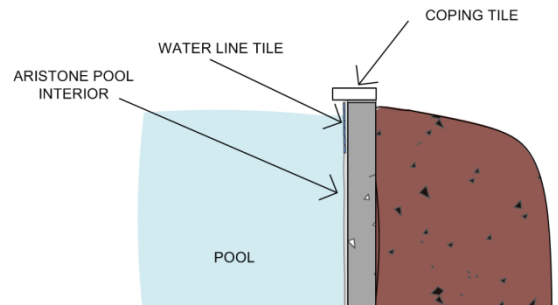
This means more fun in the water for you, less cuts and abrasions associated with pebble pools and less time cleaning your pool!

Additional smoother and softer options in smart pools are Quartzon interiors and also glass beads (Jewels for pools).

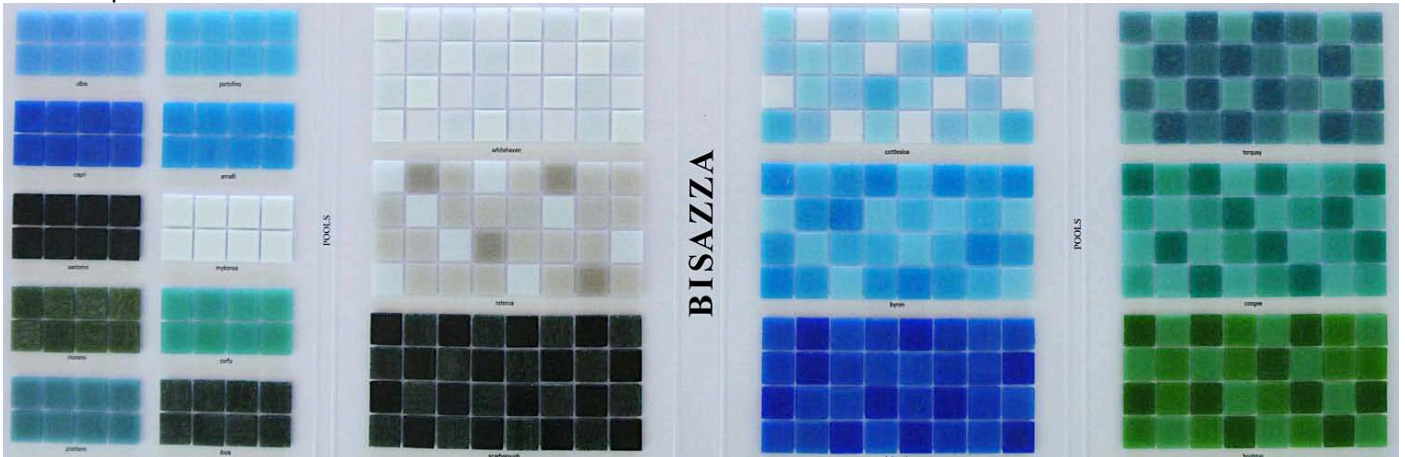
## Waterline tile

I Bet you have had a bath and also have had to clean the ring left around it when the water is emptied, well a pool is no different, and with uneven pebble surfaces this is evident and can be hard to clean, But add a waterline tile and this area is a breeze to clean as it is glossy and smooth, so no algae or debris can attach to the surface easily.

Every Smart pool waterline tile pool, has the option of choosing a Bisazza pool blend water line tile to match your interior



## Bisazza pool blends



## Equipment

Every Smart pool comes standard with a Magna pool mineral water sanitation system, this is packaged with magna pools Magna stream pumps, and Magna filters with Diamond kleen media, essentially this means your pool will be super clear with excellent clarity, not unlike distilled water.



Or if you are selecting the in floor cleaning system or require additional pool pumps, say for spa jet operation or water features, the smart pool can be coupled with a Variable speed variable flow pump, that can replace up to 4 pumps, giving you a considerable electricity usage and bill saving.

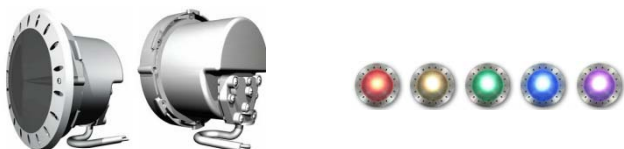


The smart pool also comes with a world awarded water saving device, the Water-Co multi cyclone actively reduces particles entering the filter, thus significantly reducing the amount of times you would be need to clean or backwash your filter. The average result of water saving per year on average is around 5000 litres.



## Lighting

Smart pool lights are niche flush mounted multi coloured programmable lights. These new WN950 lights have a clear silicone cover and are the brightest pool light and have an extra wide pool light beam.



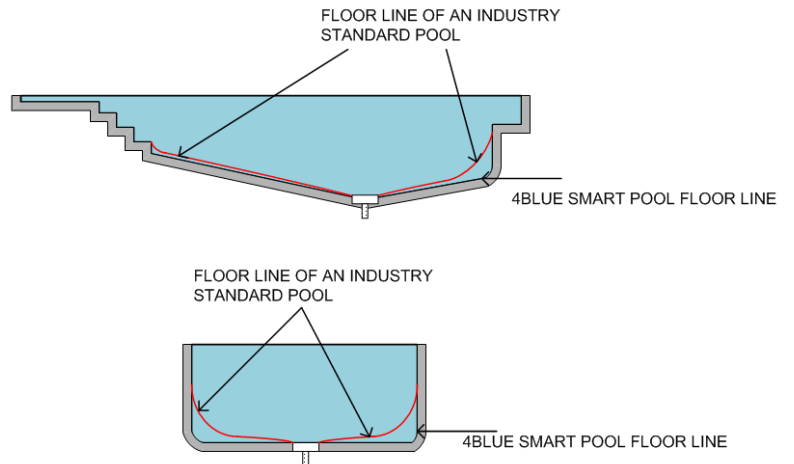
## Sanitation

Each smart pool has a Magna pool as a standard inclusion. Magnesium Hydroxide & Magnesium chloride MagnaPool's Mineral Science Therapy. We believe in the importance of providing natural, crystal clear and healthy water for people to swim and bathe in everyday.



## Pool depths (supersize on the inside)

Not many people are aware of the variation in pool wall and floor shapes, older style industry standard pools typically have a bowl type floor shape, shown in the diagram to the right in red, whilst new smart pools have a much more angular and flat floor shape, & vertical walls, this involves more skill, cost and materials, but means your pool is much easier to stand near the edges of the pool, and also means the depths are a true reflection of the contract, not simply that one particular point equals the depths, but a cross section is across the pool floor is a constant depth, not dished.



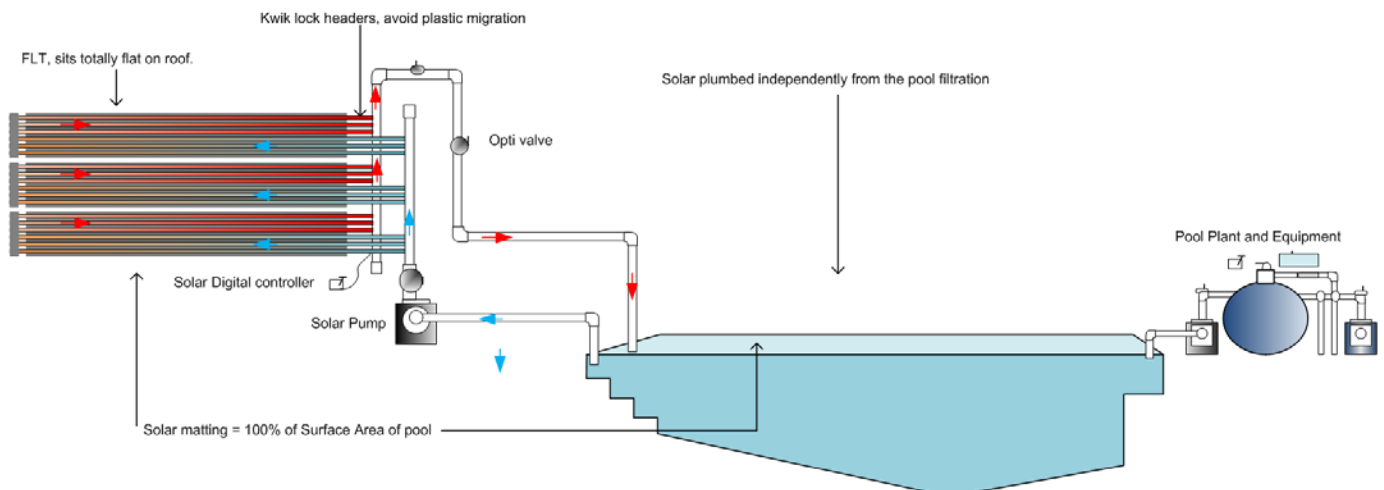
## Solar heated

Make a smart decision with your pool and add solar to extend your swimming season, Sunbather solar matting draws energy from the sun to heat the pool.

When everyone else is putting their pool covers on, you can be swimming enjoying beautiful warm water still, thanks to the most efficient method of heating your pool, solar heating provided by the Sunbather.

Our Smart pool solar systems are plumbing independently of the pool filtration to enjoy maximum heating benefits all day long, even if you pool isn't filtering your pool can be heating.

*Included are separate suction and return plumbing water lines for your solar addition. (Not standard option in a smart pool)*



**Step up into a smart pool today, and maximise your investment, owning a smart pool is easy, enjoyable & healthy.**