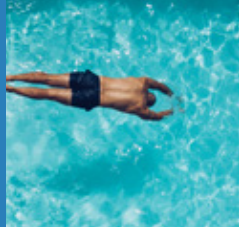
Pool Care Warranty Manuals 21



Filling your Pool

Never stop water when filling up pool or you will get a dirty ring around the concrete or tiles.

Avoid mowing the lawn or allowing any external debris including leaves to enter the pool during the filling stage or you will get spotted staining.

Pool water is naturally green until it is balanced so don't worry if your pool looks green before handover.

The First 4 Weeks

Chlorine and Acid Only

NOTE:
DO NOT ADD MINERALS OR SALT FOR THE FIRST 4 WEEKS
DO NOT ADD STABILIZER EVER IF YOU HAVE ACID PROBES

On start-up we drop ph level to 7 to assist with burning calcium. Your daily routine for 4 weeks is crucial after start up.

Follow these instructions carefully, particular for the first 4 weeks while the pool is in the curing stage as your pH will rise very quickly during this time.

We suggest you test the pH every day for the first week, every second day for week two, then every third day for weeks 3 and 4.

NOTE:
YOUR PH WILL BE INCLINED TO RISE RAPIDLY OVER THE FIRST MONTH, SO LOWER IT BY ADDING HYDROCHLORIC ACID AS REQUIRED.

When adding acid, it is best no to add more than half a litre at a time. If you need to add more than half a litre, add it in equal amounts, one hour apart. Ensure that the acid is well diluted in water before adding to your pool, then spread the diluted mixture evenly over the entire pool. The reason for this is that Acid is far heavier than water and will sink to the bottom of your pool and may have a detrimental effect on the surface.

Must do Daily

- Brush pool walls and floor every day
- Vacuum pool every day
- Brush walls to centre of floor, deep end & vacuum dirt
- Test pool water every day / 4 weeks for chorine & ph.
- Chlorine 1-3 parts per million
- Ph. 7.2 and 7.6
- Clean cartridge element daily after vacuum as this traps calcium and must be hosed out
- Clean skimmer basket sock as this traps calcium and must be hosed out
- Treat pool with 1 litre of liquid chlorine per day

NOTE:
PUMP TO RUN MANUALLY FOR 12 HOURS PER DAY FOR THE FIRST 2 DAYS. THIS WILL DRAMATICALLY CLEAR UP WATER CLARITY. ON THE 3RD DAY YOU CAN SET UP ON TIMER – AUTO.

The 5th Week

- Slowly bags of salt or mineral or aqua therapy
- Dissolve minerals in a bucket and add to pool water as pump is running
- Or put in salt and brush to dissolve immediately and do not let it sit
- It is important to spread around - basically walk around the pool
- Turn to manual and run pool for 8 hours every time you add salt or minerals or surface staining will appear
- On the 5th week you can test via professional pool shop and now okay to adjust with chemicals in addition to chlorine and acid maintenance
- Test professionally for:
  - Calcium between 200 – 300 ppm
  - Stabilizer between 30 – 80 ppm (NEVER ADD STABLIZER ON PROBE POOLS)
  - Alkalinity between 100 – 120 ppm
  - Mineral / salt should be 5000 ppm
  - Ph. 7.2 – 7.6 ppm
  - If ph. or chlorine is high do not add salt

NOTE:
NEVER ADD STABLIZER IF YOU HAVE A MINERAL PROBE / PH CONTROLLER AUTOMATED DOSER
TEST KIT AT HOME WEEKLY – Log results in log book

Week 5 Onwards

Test pH level and total alkalinity weekly and balance to the levels recommended on the inside front cover. Add hydrochloric acid and total alkalinity increaser as required.

Test calcium hardness **monthly** and balance to the levels recommended on the inside front cover.

Clean the wall and floor of your pool with a nylon pool brush **regularly** to remove chemical and mineral residues from the surface. Allow the residue to settle, then manually vacuum excess reside to waste. Do this as long as residue continues to appear on the walls and floor.

If salt has not been already added, add and start the salt water chlorinator in **week 5.** Spread the salt evenly around the pool and keep moving the salt in the water until it is fully dissolved.

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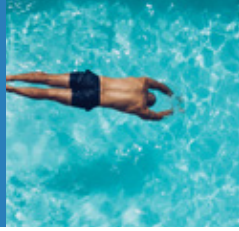

How to Treat Brown Interior Spots

Brown Interior Spots are known as Dirt Scale.

Basically, a thin layer of calcium build-up has trapped the dirt on the surface of the pool. This is the reason you cannot brush it away. It's like painting a coat of polyurethane over a spot of dirt on the wall. Unless you break down that calcium build up, that dirt is not going to go away.

Most people only pay attention to how clear the water looks. If the water is clear, the water chemistry is good. It's not as simple as that, but it is easy.

If you don't already have one, get to your pool supply store and purchase a chemical test kit. The test strips will work, but if you want a more accurate test result, get a kit that includes the drops.

Once you have a test kit, you will want to test the water at least 2-3 times a week. The most important things to pay attention to are PH, Total Alkalinity and Hardness. It is important to keep the PH around 7.2-7.6 to avoid the build up your seeing.

NOTE:
THERE IS A VERY SIMPLY WAY TO GET RID OF THAT SCALE. IT WILL TAKE SOME TIME BUT IT WILL WORK IF YOU PUT THE TIME AND EFFORT INTO IT. ALL YOU NEED TO DO IS DROP YOUR PH LEVEL TO ABOUT 6.8-7.0 AND BRUSH BRUSH BRUSH. TEST THE WATER EVEN MORE FREQUENTLY DURING THE PROCESS. YOU PROBABLY WON'T NOTICE ANY IMPROVEMENT RIGHT AWAY, BUT OVER THE COURSE OF A FEW WEEKS,
IT WILL START TO FADE AWAY.

If you want a "quick fix", you can contact a pool service company and they can drain the pool and do an acid wash which will do the same thing as the first method, only faster.

Skimmer Box

At the front of your skimmer there is a flap called a weir door. This flap closes when the pump is switched off to prevent leaves and other debris from floating back into the pool. The water level of the pool should be between half and three quarters of the way up the skimmer box. If the water level is too low, the pump will starve for water and burn out. If the water level is too high then the pool cannot skim the debris out properly. See following notes under The Pump for cleaning the basket.

Pump

The pump's job is to suck water from the skimmer box and pump it to your filter. The usual running time for the pump is 8 hours in summer and 4 hours during the cooler months. This is usually split into two cycles. The exception to this would be if you are operating an energy efficient pump which is designed to use a lower flow for a longer period, giving you crystal clear water.

Inside your skimmer and pump are two baskets. It is important that these are kept clean and clear of debris. If too much debris accumulates in the basket then it will reduce the flow of water to the pump and potentially cause the pump to run dry. This will cause significant damage.

There is also an "o" ring in the lid of the pump which will require lubricating every 6 months or so. Use a silicone based lubricant and not Vaseline or other petroleum based products as these will perish the rubber. If the "o" ring is not maintained the system will develop an air leak. It is also important to check the area around the pump for any water leaks.

If a leak is detected, contact your pool professional as soon as possible so that it can be fixed without any potential risk of voiding your warranty.

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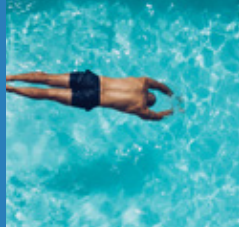

Filter

Your pool will have either a media filter which will contain sand or glass, or a cartridge filter which contains an element. Water is forced through the filter under pressure and the dirt and small particles are trapped in the media before the clean water gets returned to the pool.

The pressure gauge attached to the filter tells you when the filter will require backwashing or the element will require hosing clean. It is important to make sure that your pressure gauge works at all times otherwise you will not know what is going on with your pool. Backwashing or element cleaning should be done when the gauge reaches the red section. Refer to your product manual for information on cleaning your filter.

NOTE: DO NOT TURN THE VALVE HANDLE ON THE MULTI-PORT VALVE WHEN THE SYSTEM IS OPERATING.

The multi-port valve has the following settings:

Filter	normal pool operation
Backwash	used for cleaning
Rinse	used after backwash to rinse particles through the valve and pipes
Waste	for pumping water out of the pool
Re-circulate	this allows water to circulate back to the pool without going through the filter.
Closed	this prevents water going through any of the pipes and is normally only used for maintenance purposes.

Eyeballs or Pool Returns

There are adjustable eyeball fittings in your pool where the water is returned.

These should be set at a 45 degree angle to allow the water to circulate properly. They should also be positioned to create a flow of water towards the skimmer box.

Salt Chlorinator

The salt chlorinator consists of two parts. The power pack and the cell. The cell is where the sanitiser for your pool is made. The salt or minerals added to the pool are converted by a process called electrolysis.

The cell is self cleaning but will require an Additional manual clean every six months. It also has a small water sensor at the end of the cell that needs to be kept clean. It is recommended that Purex Salt Cell cleaner is used as opposed to a diluted Hydrochloric Acid solution as this will prevent damage.

The power pack is usually mounted on a wall. It is connected to mains power and contains a timer which allows you to set the times that you want the equipment to operate. The salt chlorinator will not operate without water flow and will shut down the pump if adequate water flow is not detected.

NOTE: WHEN ADDING SALT OR MINERALS TO YOUR POOL – DO NOT ADD THROUGH THE SKIMMER BOX. ADD ONE BAG AT A TIME AND BRUSH THOROUGHLY UNTIL DISSOLVED. ENSURE THE CORRECT SALT LEVEL AT ALL TIMES AND IF IN DOUBT SEEK THE ADVICE OF A BLUE HAVEN PROFESSIONAL

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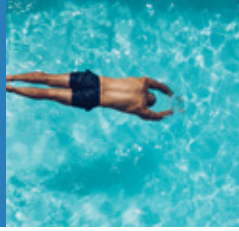

Heating

There are various ways to heat a pool including solar heating, heat pumps and gas heaters. If you have heating on your pool, it is imperative that you maintain correct water balance to protect the heater from corrosion. Maintenance of the heater should be carried out as per the Manufacturer's handbook.

Pool Cleaners

You may have a robot cleaner, a suction cleaner or a pressure style cleaner on your pool.

If you are operating a robot cleaner, make sure you empty the bag or canister regularly. Sometimes these will appear clean but will have collected a large amount of fine dust from your pool so will still require cleaning. They rely on water flow to move the unit around the pool so if you find your cleaner is not moving as much as previously it could be due to the mesh being clogged by the fine particles.

A suction cleaner operates when the pump and filter are switched on. These cleaners are set up directly into the skimmer box which eliminates the skimming action of the pool. If you are in a leafy area you may want to consider the addition of an in-line leaf canister.

A pressure cleaner works from a dedicated return line and is operated by the water pressure created by the pump. It is important to make sure the attached leaf collector is emptied regularly.

Testing Kits & Equipment

Vacuum Head	Used for manually vacuum the pool. It may have wheels or brushes depending upon your pool surface.
Leaf Scoop/Rake	These are used for removing leaves from the pool.
Telescopic pole	This is the pole that the attachment clips onto.
Vacuum Hose	This is used to connect the vacuum head to the plate that goes in the skimmer box. The hose is designed specifically for vacuum your pool manually and is not suitable for an automatic pool cleaner.
Pool Broom	This is used for brushing the walls and floor to prevent algae from forming and to remove surface dust and film.
Test strips or kits	These are to allow you to test the basic water balance at home. It is particularly important that the pH and chlorine levels be maintained and weekly testing during the warmer months is advised. Monthly testing is acceptable during the cooler months. Many people find it easier to test the basics and rely on their pool shop for the rest.

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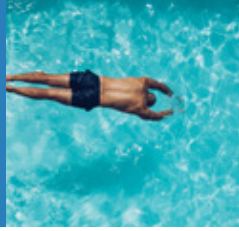

Ideal Water Balance

So now that you understand the equipment, it is time to look at the water balance or chemistry of your pool.

Chlorine
This should be maintained between 1.5ppm and 3.0ppm depending upon the temperature of the water. The warmer the water, the higher the chlorine level needs to be. Do not exceed 3.0ppm. It is also important that a minimum level be maintained otherwise ear, eye and skin infections from bacteria can result.

pH
This should be maintained between 7.2 and 7.6. This is the ideal range for swimmer comfort and chlorine performance.

Total Alkalinity
This should be maintained between 80 and 125ppm. Ideally, keep the level around 100ppm at all times.

Calcium Hardness
This needs to be maintained between 175 and 250ppm. If the level is too low, the water will attack the surface of the pool and degrade concrete, tiles and fibreglass.

Maintenance

If the pool is running with a magnesium additive it is important to check the Total Hardness.

If all the levels are in the correct range, then the water is balanced. This will eliminate the risk of surface or equipment damage, sore and irritating eyes and skin, potential for water carried illness, algae build up and scale formation.

Salt and/or mineral levels
These must be tested and maintained at all times to prevent damage to the chlorinator and to provide the correct level for maximum sanitiser production.

Stabiliser
This prevents the loss of chlorine to sunlight and should be maintained around 50ppm.
Do not allow to drop below 30ppm as it will not protect the chlorine from being removed by UV rays.

Now that you are a pool owner, it is a good idea to make a regular maintenance program.

Weekly
Test pH and chlorine levels to ensure water is safe to swim in. Clean your skimmer basket and pump basket if necessary. If the "o" ring is dry use a silicone based lubricant. Give the pool surface a brush. Check that the water level is high enough. Check the filter pressure gauge and clean or backwash if necessary.

Monthly
Do everything you would do on your weekly maintenance and also do the following Visit your pool shop and get the Total Alkalinity, Stabiliser, Calcium or Total Hardness, Salt or mineral levels checked. Adjust if necessary. Check that the salt cell and sensor do not require cleaning. Clean if necessary using Purex Salt Cell Cleaner.

Annually
Clean the filter chemically using Purex filter cleaner and degreaser. The exception to this is a pool that is operating Viron Active glass as this will not require cleaning.

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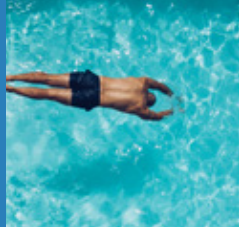


Instruction Manuals Links

FILTERS (ASTRAL)

1. ZX SERIES CARTRIDGE FILTER:

Brochure:
https://www.astralpool.com.au/sites/default/files/products/brochures/ZX%20Cartridge%20Filter%20Brochure.pdf

Manual:
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20247%20ZX%20Series%20Cartridge%20Filter_0.pdf

2. CA SERIES MEDIA FILTER:

Brochure:
https://www.astralpool.com.au/sites/default/files/products/brochures/CA%20Filter%20Brochure.pdf

Manual:
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20368%20ECA%20%20CA%20MEDIA%20FILTERS.pdf

PRE FILTER (WATERCO

https://waterco.com.my/pool-spa/centrifugal-filters/multicyclone-16

Brochure:
https://waterco.com.my/waterco/brochures/pool-spa/centrifugal-filters/multicyclone-16-brochure-april-2017-zzb1278-a4-lo-res-27-4-2017-f-.pdf

Manual:
https://waterco.com.my/waterco/manuals/pool-spa/centrifugal-filters/multicyclone-plus-ultra-manual_w99279.pdf

Video:
https://vimeo.com/286094963

SWIM JETS (WATERCO)

https://www.waterco.com.au/pool-spa/recirculation/swimjets/swimjets

Brochure:
https://www.waterco.com.au/waterco/brochures/pool-spa/recirculation/swimjets_zzb1334.pdf

Manual:
https://www.waterco.com.au/waterco/manuals/pool-spa/recirculation/swimjets/swim-jet-instructions.pdf

PUMPS (ASTRAL)

https://www.astralpool.com.au/products/vironpumps/vironxt

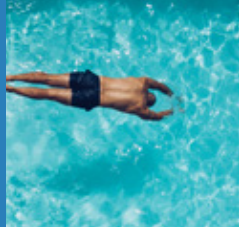
Generic Manual:
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20243%20ASTRALPOOL%20PUMPS-1.pdf

1. VIRON XT VARIABLE SPEED PUMP

Brochure:
https://www.astralpool.com.au/sites/default/files/products/brochures/Pump_VironXT_0.pdf

Manual :
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20434%20Viron%20XT%20Product%20Instructions-3.pdf

Video :
https://youtu.be/KxnH8SUG5xY



PUMPS (ASTRAL) cont.

2. CTX SERIES PUMP

Brochure :
https://www.astralpool.com.au/sites/default/files/products/brochures/CTXPump_web.pdf

Manual :
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20243%20ASTRALPOOL%20PUMPS-1.pdf

3. E-SERIES PUMP

Brochure :
https://www.astralpool.com.au/sites/default/files/products/brochures/E-Series_web_0.pdf

Manual :
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20243%20ASTRALPOOL%20PUMPS-1_0.pdf

4. FX SERIES PUMP

Brochure :
https://www.astralpool.com.au/sites/default/files/products/brochures/FXPump_web_0.pdf

Manual :
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20243%20ASTRALPOOL%20PUMPS-1_2.pdf

SALT CHLORINATOR (ASTRAL)

Brochure :
https://www.astralpool.com.au/sites/default/files/products/brochures/AstralPool%20Chlorinator%20Product%20Catalogue%20JAN19%20web.pdf

1. VX SERIES SALT CHLORINATOR

Brochure :
https://www.astralpool.com.au/sites/default/files/products/brochures/VXChlorinator_web_2.pdf

Manual :
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20245%20VX%20CHLORINATOR-3.pdf

Videos :
https://youtu.be/4rEx0SON77M

https://youtu.be/75O4q80sSic

2. VIRON EQUILIBRIUM CHLORINATOR WITH BLUETOOTH CONTROL

Brochure :
https://www.astralpool.com.au/sites/default/files/products/brochures/AstralPool%20Chlorinator%20Product%20Catalogue%20JAN19%20web.pdf

Manual :
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20464%20Viron%20Equilibrium%20bluetooth_0.pdf

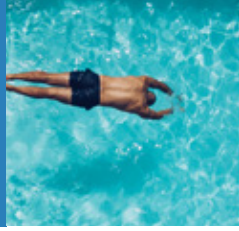
Video :
https://youtu.be/HrYAie969GY

3. VIRON SALT CHLORINATOR WITH BLUETOOTH CONTROL

Brochure :
https://www.astralpool.com.au/sites/default/files/products/brochures/AstralPool%20Chlorinator%20Product%20Catalogue%20JAN19%20web_0.pdf

Manual :
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20463%20Viron%20Chlorinator%20-BLUETOOTH.pdf

Videos :
https://youtu.be/xLt29xMlLyI https://youtu.be/XrvdIlvX2OA



SALT CHLORINATOR (ASTRAL) Cont.

4. E-SERIES SALT CHLORINATOR

Brochure :
https://www.astralpool.com.au/sites/default/files/products/brochures/E%20Series%20Salt%20Chlorinator%20Brochure%20web.pdf

Manual :
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20%20363%20E25%20E35.pdf

Videos :
https://youtu.be/I2sSZxfV1LE

https://youtu.be/SBp5B3-TacM

https://youtu.be/VQE-yKbuXC4

POOL COVERS (DAISY POOL COVERS)

https://daisypoolcovers.com.au/pool-covers/

POOL COVER ROLLERS (DAISY POOL COVERS)

https://daisypoolcovers.com.au/pool-rollers/

QUARTZON

Pool Care Guide & Warranties :
https://quartzon.com.au/wp/wp-content/uploads/2018/07/Quartzon-Care-Guide-A42.pdf

FAQs :
https://quartzon.com.au/poolcare/

VIRON 10 CONNECT CONTROLLER

(Its technical and must be passed on to electricians along with app downloads) (ASTRAL)

https://www.astralpool.com.au/connect10

Brochure :
https://www.astralpool.com.au/sites/default/files/products/brochures/VironConnect_web.pdf

Manual :
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20314%20CONNECT%2010%20INSTRUCTIONS%20REVISED%20UPDATE%2025.08.15-1.pdf

Troubleshooting & App Manual :
https://www.astralpool.com.au/sites/default/files/products/manuals/TroubleShooting%20gateway.pdf

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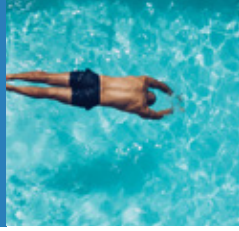

CONNECT LITE (ASTRAL)

https://www.astralpool.com.au/connectliteplus

Brochure :
https://www.astralpool.com.au/sites/default/files/products/brochures/Connect%20Lite%20%2B.pdf

Manual :
https://www.astralpool.com.au/sites/default/files/products/manuals/INST%20419%20CONNECT%20LITE%2BV1A_0.pdf

DOWNLOAD THE MOBILE APP (ASTRAL)

https://www.astralpool.com.au/mypoolremote-app

iOS Devices :
https://itunes.apple.com/us/app/mypoolremote/id806115619?mt=8

Android Devices :
https://play.google.com/store/apps/details?id=com.app.mypoolremote

WATERFALL STRIP LIGHT (BELLSON ELECTRIC)

http://www.bellson.com.au/striplight.htm

Brochure :
http://www.bellson.com.au/media/pdfs/pslbrochure.pdf

Demonstration Movie :
http://www.bellson.com.au/media/videos/slvideo.wmv

LED LIGHT PROGRAMMING (AQUAQUIP)

LED Light Operating Manual :
http://aquaquip.com.au/wp-content/uploads/MultiColour_Programming_0217.pdf

REPLACEMENT LIGHT INSTRUCTIONS (AQUAQUIP)

http://aquaquip.com.au/wp-content/uploads/AqaStrEvo2_RplcmntKt_Inst_0217.pdf