

# WELCOME TO YOUR WORLD OF POOL OWNERSHIP AND THANK YOU FOR CHOOSING ELM LEISURE HERE IS A POOL OPERATION GUIDE



TRADING SINCE 1974

HOW YOUR POOL CIRCULATION WORKS

START SANITATION BALANCING

BACK WASHING POOL



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VACUUMING POOL

ALGAE PREVENTION IN YOUR POOL WATER

PREPARING YOUR SWIMMING POOL FOR WINTER



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SAFETY GUIDE

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# SWIMMING POOL WATER CIRCULATION

HOW THE SWIMMING POOL WORKS

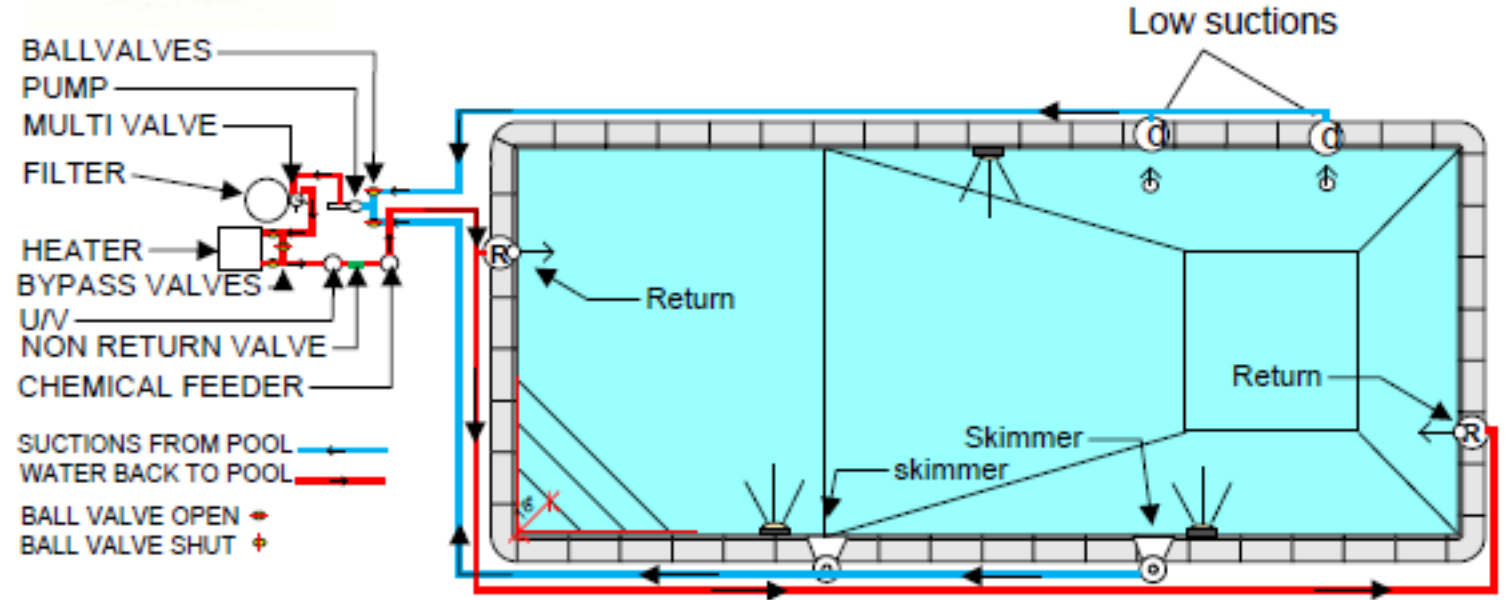
TYPICAL EXAMPLE OF SWIMMING POOL CIRCULATION

THE WATER IS CIRCULATED VIA THE POOL PUMP  
THE PUMP SHOULD TURN OVER THE WATER  
BETWEEN EVERY 4-8 HOURS WHEN ON  
CONSTANTLY MIN CIRCULATION TIME 8 HR PER  
DAY

THE PUMP SUCKS THE POOL WATER FROM THE  
SKIMMERS AND LOW SUCTIONS AND THEN  
PUSHES THE WATER INTO THE FILTER TANK THIS  
THEN GRABS ANY SOLIDS AND HOLDS THEM IN  
THE FILTER IN THE TOP SECTION THEN THE POOL  
WATER IS PUSHED INTO THE HEATER AND THEN  
ONTO THE SANITATION SYSTEM IF ONE FITTED



TYPICAL SWIMMING  
POOL CIRCULATION  
LAYOUT



# START UP OF POOL CIRCULATION

- FIRST YOU MUST PRIME THE PUMP WITH WATER AND OPEN ONE OR BOTH OF THE VALVES IN FRONT OF THE PUMP.
- THEN REPLACE THE PUMP LID MAKING SURE THERE ARE NO FOREIGN PARTS IN THE THREAD TIGHTEN LID BY HAND.
- MAKE SURE THE MULTIVALVE IS ON FILTER AND THAT THE POOL HEATER IS CONNECTED.
- THEN START THE PUMP.
- THIS MAY TAKE A FEW MINUTES TO GET THE FULL FLOW RUNNING.
- TURN ON HEATING WHEN YOU HAVE A GOOD FLOW TURN ON ANY SANITATION SYSTEM.

# START SANITATION BALANCING

WHEN TESTING YOUR SWIMMING POOL WATER IN ORDER TO APPLY CHEMICALS CORRECTLY YOU MUST KNOW YOUR SWIMMING POOL WATER VOLUME IN ORDER TO ADD THE CORRECT AMOUNT OF CHEMICAL

Regular Testing of the swimming pool water  
Will reduce the running cost and help  
against  
Scale forming, Neutral , or Corrosive water

HOW TO WORK OUT YOUR WATER VOLUME

LENGTH X WIDTH X DEPTH X 1.0 =

E.G. 10M X 5M X 1.2M X 1.0 = 60M<sup>3</sup>

My swimming pool water should be kept between

P.H	7.2 - 7.6	weekly	using Phenol read
chlorine	2ppm - 3ppm	weekly	using DPD 1
Total chlorine	below 0.5 mg/l	Weekly	using DPD 3
Total Alkalinity	80 - 150 mg/l	Quarterly	local supplier
Calcium Hardness	250 - 600mg/l	Quarterly	local supplier
Cyanuricacid	25mg/l-50 mg/l	Quarterly	local supplier
Totally dissolved solids	less than 1000mg/l	Yearly	local supplier

All tests should be taken from 12"-18" below the surface at mid point in the pool.  
It is advisable to keep written records of water testing.



# BACK WASHING POOL FILTER

TO BACK WASH YOUR FILTER

FIRST TURN OFF THE PUMP

TURN MULTIVALVE TO **BACK WASH**

IF YOU HAVE BACKWASH HOSE LAY ONTO LAWN

TURN ON PUMP FOR 2-4 MINUTES

(THIS REVERSES THE WATER THROUGH THE FILTER ALL SOLIDS THAT  
HAVE BEEN COLLECTED WILL BE THROWN OUT TO WASTE )

TURN OFF PUMP TURN BACKWASH HANDLE TO **RINSE**

TURN ON PUMP FOR 30 SECONDS

(THIS CLEARS THE TOP SECTION OF WATER IN THE FILTER)

FINALLY TURN PUMP OFF MOVE MULTIVALVE HANDLE TO **FILTER** AND  
TURN PUMP BACK ON

YOU ARE NOW IN NORMAL RUNNING MODE

PLEASE NOTE YOU MAY NEED TO TOP UP YOUR POOL AFTER  
BACKWASHING

- TYPICAL FILTER TANK FLOW

- FILTER TANK LID

- ROSE

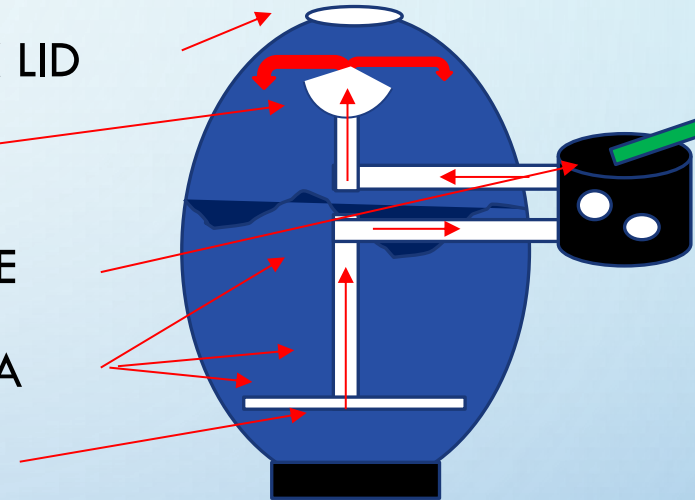
- MULTI VALVE

- FILTER MEDIA

- LATERALS

- WHEN IN BACK WASH MODE WATER FLOWS IN

- OPPOSITE DIRECTION



# VACUUMING OF YOUR SWIMMING POOL

## HOW TO VACUUM YOUR POOL

FIRST GET OUT /VAC POLE/VAC HEAD/VAC HOSE

CONNECT TOGETHER READY, LEAVE BY THE VACUUM POINT

THEN TURN OFF ALL OTHER SUCTION LINES LEAVING ONE SKIMMER OR VAC POINT OPEN

THEN PUT THE CONNECTED POLE VAC HEAD AND HOSE INTO THE POOL KEEPING HOLD OF THE POLE AND VAC HOSE, FEED THE VAC HOSE INTO THE POOL MAKING SURE TO GET ALL OF THE AIR OUT OF THE HOSE.

WHEN WATER COMES OUT OF THE END OF THE HOSE INSERT INTO THE VAC POINT

YOU ARE NOW READY TO VACUUM THE POOL AS ALL SUCTION IS AT THE VAC HEAD

TIP: THE SLOWER YOU VAC THE FASTER YOU CLEAN



# ALGAE PREVENTION IN YOUR POOL WATER

## SHOCK DOSING MY SWIMMING POOL

- WHEN YOU HAVE A GREEN OR CLOUDY SWIMMING POOL YOU MUST
- TEST THE WATER FIRST
- THEN ADJUST P.H. IF REQUIRED
- THEN ADD SUPPER SHOCK
- YOU MAY NEED TO DOUBLE THE NORMAL DOSE IF VERY GREEN (SEE BACK OF CHEMICAL LABEL)
- REMEMBER TO KEEP YOUR POOL COVER OFF UNTIL CHLORINE LEVELS DROP TO NORMAL LEVELS
- YOU MAY NEED TO REPEAT THIS MORE THAN ONCE

## AFTER SHOCK DOSING MY SWIMMING POOL

- ONCE YOU HAVE A GREEN FREE POOL HOWEVER YOU MAY BE LEFT WITH CLOUDY WATER
- THIS MAY NEED HELP USING A CLARIFIER TO COAGULATE THE SMALL PARTICLES TO BE HELD IN THE FILTER TANK
- YOU MUST BACK WASH 24 H/R AFTER CLARIFIER ADDED YOU MAY NEED TO DO THIS MORE THAN ONCE

# PREPARING MY SWIMMING POOL FOR WINTER

AT END OF THE OUTDOOR SWIMMING SEASON THERE ARE A FEW THINGS THAT YOU WILL NEED TO DO TO PREPARE THE POOL FOR WINTER TO ENSURE THAT THE POOL AND POOL EQUIPMENT ARE PROTECTED FROM DAMAGE AND THAT THE WATER STAYS IN REASONABLE CONDITION. IF YOU ARE NOT CONFIDENT TO PERFORM A WINTER SHUT DOWN ELM LEISURE CAN HELP

1 REMOVE ANY COVER AND CLEAN

2 CHECK THE CHEMICALS. ENSURE THAT THE P.H IS BETWEEN 7.4-7.8 (HIGHER IS BEST FOR WINTER)

ADD ALGICIDE WINTER DOSE ELM LEISURE'S 4 SEASONS IS EXCELLENT FOR ALL YEAR

3 IF YOU DO NOT HAVE A FROST STAT NOR AIM TO RUN THE SWIMMING POOL PUMP THROUGH THE WINTER THEN YOU SHOULD LOWER THE POOL BY 150MM-200MM APPROXIMATELY BELOW THE SKIMMER MOUTH OPENING IN THE POOL, YOU WILL NEED TO SHUT ANY SKIMMER VALVES TO STOP THE PUMP FROM SUCKING AIR INTO THE SYSTEM FIRST YOU CAN ALSO MAKE SURE THAT YOU DRAIN THE SKIMMER LINES WHEN POOL WATER LEVEL GETS BELOW THE SKIMMERS.

4 SHOCK DOSE UP TO 5-10MG/L THEN ADD 4 SEASONS ALGAEKILLER.

5 KEEP THE POOL FILTRATION RUNNING TO ENSURE THEY HAVE DISSOLVED AND DISTRIBUTED THROUGH OUT THE POOL, THIS WILL BE ON LOW SUCTION LINES ONLY.

6 YOU CAN THEN TURN OFF THE FILTRATION SYSTEM

7 YOU CAN THEN DRAIN DOWN THE PUMP , FILTER TANK , HEATER (REMOVE ALL DRAIN PLUGS)

IF YOUR HEATER IS OUT SIDE BE SURE TO DRAIN IT COMPLETELY YOU CAN USE A WET N DRY VACUUM TO SUCK THE WATER OUT OR TIP UP SLIGHTLY TILL EMPTY

8 YOU CAN HALF FLOAT A CONTAINER IN THE POOL TO BOB ABOUT THIS WILL HELP AGAINST FREEZING WATER.

FIT YOUR WINTER DERRIS COVER TO KEEP LEAVES OUT DURING THE CLOSE DOWN PERIOD

9 EVERY 4-6 WEEKS ADD A 5MG/L DOSE OF FULLY DISSOLVED SHOCK AND BRUSH ROUND TO HELP DISTRIBUTE THE PRODUCT AS BEST YOU CAN (DO NOT LEAVE SHOCK SITTING IN A HEAP ON THE FLOOR OF THE POOL)

IF IN ANY DOUBT RING ELM LEISURE FOR ADVICE AND HELP 01954230230 OR EMAIL [INFO@ELMLEISURE.COM](mailto:INFO@ELMLEISURE.COM)



# SAFETY GUIDE

## GENERAL POOL SAFETY

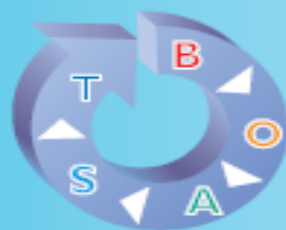
- NEVER LEAVE CHILDREN OR NON SWIMMERS UNATTENDED IN THE POOL.
- NEVER USE THE POOL DURING A THUNDERSTORM.
- NEVER USE INAPPROPRIATE ELECTRICAL EQUIPMENT IN THE POOL OR CLOSE TO THE POOL EDGE.
- NEVER ALLOW DIVING IN SHALLOW WATER
- STOP PEOPLE FROM RUNNING NEAR THE POOL EDGE
- NEVER ALLOW GLASS OBJECTS NEAR THE POOL
- ALWAYS REMOVE POOL COVER COMPLETELY BEFORE SWIMMING NEVER SWIM UNDER THE COVER

## GENERAL CHEMICAL SAFETY

- ALWAYS READ THE INSTRUCTION LABEL ON CHEMICALS
- ALWAYS ADHERE TO THE INSTRUCTIONS PRINTED ON THE PRODUCT LABEL
- ALWAYS HANDLE CHEMICALS IN A WELL VENTILATED AREA, PREFERABLY OUTDOORS
- ALWAYS WASH HANDS AFTER HANDLING CHEMICALS.
- ALWAYS KEEP CHEMICALS OUT OF REACH FROM CHILDREN.
- ALWAYS STORE CHEMICALS IN A COOL DRY PLACE.
- ALWAYS PUT LIDS BACK ON CHEMICAL CONTAINERS.
- NEVER USE CHEMICALS THAT DO NOT HAVE AN INSTRUCTION LABEL.
- NEVER MIX CHEMICALS.
- NEVER DOSE CHEMICALS WHEN THERE ARE BATHERS IN THE POOL.

# SWIMMING POOL MAINTENANCE CHART

For the best results follow the BOAST system - pool water care made easy



- B** Balance your pool water for bather comfort and maximum chemical efficiency
- O** Oxidise to establish a sanitiser level then weekly to destroy waste compounds
- A** Algae prevention, stop algae establishing themselves in your pool water
- S** Sanitise, maintain a constant sanitiser level to prevent and kill bacteria
- T** Test your water frequently, you really don't know what the levels are without testing

## CHECK AND RECORD YOUR RESULTS

DATE CHECKED																		
TEMPERATURE & APPEARANCE																		
<b>B</b>	<b>pH Level (Daily)</b>																	
	Acid Added																	
	Alkali Added																	
	<b>Total Alkalinity Level (Monthly)</b>																	
	TA raiser Added																	
	<b>Calcium Hardness Level (Monthly)</b>																	
	Hardness Added																	
<b>O</b>	<b>Shock/Oxidiser Added (Weekly)</b>	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	
<b>A</b>	<b>Algaecide Added (Weekly)</b>	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	
<b>S</b>	<b>Sanitiser Level (Daily)</b>																	
	Amount Added																	
<b>T</b>	<b>Testing (Daily)</b>	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	
<b>Other</b>	<b>Special Treatments</b>																	
	<b>Filter Backwashed (Weekly)</b>	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	
	<b>Pool Brushed (Weekly)</b>	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	
	<b>Pool Vacuumed (Monthly)</b>	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	
	<b>Waterline cleaned (Monthly)</b>	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	
	<b>Clarifier Added (Weekly)</b>	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	YES/NO	

NOTES