OWNER'S MANUAL

INSTALLATION, OPERATION, & PARTS

To prevent potential injury and to avoid unnecessary service calls, read this manual carefully and completely.

SAVE THIS INSTRUCTION MANUAL

Use of appointed replacement parts voids warranty.

ATTENTION INSTALLER- THIS MANUAL CONTAINS IMPORTANT INFORMATION ABOUT THE INSTALLTION, OPERATION, AND SAFE USE OF THIS PUMP THAT MUST BE FURNISHED TO THE END USER OF THIS PRODUCT. FAILURE TO READ AND FOLLOW ALL INSTRUCTION COULD RESULT IN SERIOUS INJURY.

NINGBO SPLASH POOL APPLIANCE CO., LTD.

Symbol means:

DANGER: This symbol indicates that if failure to potential hazard, it WILL cause server personal injury or death or propertydamage.

WARING: This symbol indicates that if failure to potential hazard, it COULD result in server personal injury or death or propertydamage.

WARING: This symbol indicates that if failure to potential hazard, it WILL or COULD cause moderate personal injury or propertydamage.

IMPORTANT SAFETY INSTRUCTIONS

READ AND FOLLOW ALLINSTRUCTION

WARNING - Pay attention tochildren

1. – To reduce risk of injury, do not permit children to use or clime on this product. Closely supervise childrenatalltimes.Componentssuchasthefiltrationsystem,pumps,andheatersmustbepositionedto prevent children from using them as a means of access to thepool.
2. This pump is intended for use on permanently installed swimming pools and may also be used with hot tubsand spasifsomarked.NOTusewithstorablepools.Apermanentlyinstalledpoolisconstructedinor on ground or in a building such that it cannot be readily disassembled for storage. A storable pool is constructed so that it is capable of being readily disassembled for storage and reassembled to its original integrity.
3. Thoughthisproductisdesignedforoutdooruse, itisstronglyadvisedtoprotecttheelectricalcomponents from the weather. Select a well –drained area, one that will not flood when it rains. It requires free circulation of air for cooling. Do not install in a damp or non-ventilatedlocation.
4. Pool and spa components have a finite life. All components should be inspected frequently and replaced at least every five years, or if found to be damaged, broken, cracked, missing or not securelyattached.

WARNING - Risk of electric shock

5. Hazards voltage. Can shock, burn or cause death. To reduce the risk of electric shock, do NOT use an extension cord to connect unit to electric supply. Provide a properly located outlet. It is required that licensed electricians do all electrical wiring. All electrical wiring MUST be in conformance with applicable local and national codes and regulations. Before working on pump or motor, disconnect motorwiring.
6. Toreducetheriskofelectricshockreplacedamagedcordimmediately.DoNOTburycord.Locatecordto prevent abuse from lawnmowers, hedge trimmers and otherequipment.
7. Risk of electric shock. Connect only to a branch circuit protected by a ground-fault circuit-interrupter (GFCI). Contact only ot a electrician if you cannot verify that the receptacles is protected by aGFCI.
8. Failiure to bond pump structure will increase risk for electrocution and could result in injury or death. To reducetherisk ofelectricshock, seeinstallationinstructionsandconsultaprofessionalelectricianonhow to bond pump. Also, contact a licensed electrician for information on local electrical codes for bonding requirements.
9. Use a solid copper conductors, size 8 or larger. Run a continuous wire from external bonding lug to reinforcing rod or mesh. Connect a No. 8 AWG (8.4mm^2) solid copper bonding wire to the pressure wire connector provided on the motor housing and to all metal parts of swimming pool, spa or hot tub, and to all electrical equipment, metal piping (except gas piping), and conduit within 5 ft. (1.5m) of inside walls of swimming pool, spa or hottub.

   IMPORTANT – Reference NEC codes for all wiring standards including, but not limited to grounding, bonding and other general wiring procedures.

   NOTE – The National Electrical Code (NEC) permits use of a cord with a maximum 3 ft. (1m) length. If

you pump is equipped with a cord complying with the NEC, the preceding four (4) hazards.

10. Do not install within a outer enclosure or beneath the shirt of a hot tub orspa.
11. SAVE THESEINSTRCTIONS.
12. These pumps are not poolsidepumps.

WARNING - Suction Entrapment Hazard

13. Suction in suction outlets and /or suction outlet covers, which are damaged, broken, cracked, missing,or unsecured cause severe injury and/or death due to the following entrapmenthazards:
    - Hair Entrapment - Hair can become entangled in suction outletcover.
    - Limb Entrapment - A limb inserted into an opening of a suction outlet sump or suction outlet cover that is damaged, broken, cracked, missing, or not securely attached can result in a mechanicalbind or swelling of thelimb.
    - BodySuctionEntrapment-Apressureappliedtoalargeportion ofthebodyorlimbscanresultinan entrapment
    - Evisceration/Disembowelment - A negative pressure applied directly to the intestines though an unprotectedsuctionoutletsumporsuctionoutletcoverwhichisdamaged,broken,cracked,missing, or unsecured can result inevisceration/disembowelment.
    - Mechanical Entrapment -There is potential for jewelry, swimsuits, hair decorations, fingers, toes, or knuckles to be caught in an opening of a suction outlet cover resulting in mechanicalentrapment.

WARNING - To reduce the risk of Entrapment Hazards:

14. When outlets are small enough to be blocked by a minimum of two functioning suction outlets per pump must be installed. Suction outlets in the same plane (i. e. floor or wall). Must be installed a minimum of three feet (3') [0.91 meter] apart, as measured form near point to nearpoint.
    - Dual suction fittings shall be placed in such locations and distances to avoid "dual blockage" by a user.
    - -Dual suctionfittingsshallnotbelocatedonseatingareasoronthebackrestforsuchseatingareas.
    - The maximum system flow rate shall not exceed the values shown in the "Pipe Sizing Chart" found atmanual.
    - Never use pool or spa if any suction outlet component is damaged, broken, cracked, missing, or not securely attached.
    - Replace damaged, broken, cracked, missing, or not securely attached suction outletcomponents immediately.
    - Installationofavacuumreleaseorventsystem,whichrelievesentrappingsuction,isrecommended.

WARNING - Hazardous Pressure:

15. Pool and spa water circulation systems operate under hazardous pressure during start-up, normal operation, and after pump shut-off. Stand clear of circulation system equipment during pump start-up. Failure to follow safety and operation instructions could result in violent separation of the pump housing and cover due to pressure in the system, which could cause property damage, severe personal injury, or death. Before servicing pool and spa water circulation system, all system and pump controls must be in off position and filter manual air relief valve must be in open position. Before starting system pump, all systemvalvesmustbesetinapositiontoallowsystemwatertoreturnbacktothepool.Donotclosefilter manual air relief valve until a steady stream of water (not air or air and water) is discharged. All suction and discharge valves MUST be OPEN when starting the circulationsystem.
16. Failure to do so could result in severe personal injury and/or propertydamage.

WARNING – Separation Hazard

17. Failure to follow safety and operation instructions could result in violent separation of pump components. Strainer cover must be properly secured to pump housing with strainer cover lock ring. Before servicing pool and spa circulation system, all system and pump controls must be in off position and filter manual air relief valve must be in open position. Do not operate pool and spa circulation system if a system component is not assembled properly, damaged, or missing. Do not operate pool and spa circulation system unless filter air relief valve body is in locked position in filter upper body. All suction and discharge valves MUST be OPEN when starting the circulationsystem.
18. Failure to do so could result in severe personal injury and/or propertydamage.
19. Never operate or test the circulation system at more than 40PSI.

WARNING - Fire and burn hazard

20. Motors operate at high temperatures and if they are not properly isolated from any flammable structures or foreign debris they can cause fires, which may cause severe personal injury or death. It is also necessary to allow the motor to cool for at least 20 minutes prior to maintenance to minimize the risk for burns.

INSTALLATION LOCATION

Pump Mounting

Install pump on a firm, level base or pad to meet all local and national code. Fasten pump to base or pad with screws or bolts to further reduce vibration and stress on pipe or hose joints. The base MUST be solid, level, rigid and vibration free.

Pump mount must:

Allow pump inlet height to be as close to water level as possible;

Allow use of short, direct suction pipe (to reduce friction losses);

Allow for gate valves in suction and discharge piping;

Be protected for excess moisture and flooding;

Allow adequate access for servicing pump and piping.

Pipe sizing chart:

Maximum recommended system flow rate by pipe size:					
Pipe size (mm)	Flow rate GPM(Liter/min)	Pipe size (mm)	Flow rate GPM(Liter/min)	Pipe size (mm)	Flow rate GPM(Liter/min)
1'' (32)	20 (75)	1 1/2 '' (50)	45 (170)	2 1/2 '' (50)	110 (415)
1 1/4 '' (40)	30 (110)	2'' (63)	80 (300)	3'' (90)	160 (600)

NOTE- It is recommended that a minimum length of piping, equivalent to 10 pipe diameter, be used between the pump suctions inlet and any plumbing fittings.

WARNING - Hazards pressure

Pumps, filters and other equipments of a swimming pool filtration system operate under pressure. Incorrectly installed and/ or improperly tested filtration equipment and/or components may fail resulting in injury and/or property damage.

Plumbing

Use Teflon tape to seal threaded connections on molded plastic components. All plastic fittings must be new or thoroughly cleaned before use. **NOTE – Do NOT use plumber's pipe dope as it may cause cracking of the plastic components.** When applying Teflon tape to plastic threads, wrap the entire threaded portion of the male fitting with one or two layers of tape. Wind the tape clockwise as you face the open end of the fitting, beginning at the end of the fitting. The pump suction and outlet ports have molded-in thread stops. **Do NOT attempt to foce hose connector fitting past this stop.** It is only necessary to tighten fittings enough to prevent leakages. Tighten fitting by hand and then use a tool to engage fitting an additional $1^{1/2}$ turns. Use care when using Teflon taps as friction is reduce considerably. Do not over-tighten fitting or you may cause damage. If leaks occur, remove connector, clean off old Teflon tape, re-wrap with one to two additional layers of Teflon tape, and re-install connector.

Fittings:

Fittings restrict flow. For better efficiency, use the fewest possible fitting (but at least two suction outlets). AvoidfittingsthatcouldcauseanairtrapPoolandspafittingsMUSTconformtotheinternationalAssociation and Plumbing and Mechanical Officials (IAPMO) standards. Use a non-entrapping suction fitting in pool (multiple drains) or double suction (skimmer and maindrain).

Electrical

1. Ground and bond motor before connecting to electrical power supply. Failure to ground and bond pump motor can cause serious or fatal electrical shockhazard.
2. Do not ground to a gas supply line.
3. To avoid dangerous or fatal electrical shock, turn OFF power to motor before working on electrical connections.
4. GroundFaultCircuitInterrupter(GFCI)trippingindicateselectricalproblem.IfGFCItripsandwon'treset, consult electrician to inspect and repair electricalsystem.

WARNING - Fire Hazard.

5. Match supply voltage to motor nameplatevoltage.

Insure that the electrical supply available agrees with the motor's voltage, phase, and cycle, and that the wire size is adequate for the H.P. (KW) rating and distance from the power source.

NOTE - ALL electrical wiring MUST be performed by a licensed electrician, and MUST conform to local codes and NEC regulation. Use copper conductors only.

6. Voltage

Voltage at motor MUET NOT be more than 10% above or below motor name plate rated voltage, or motor may overheat, causing overload tripping and reduced component life. If voltage is less than 90% or more than 110% of rated voltage when motor is running at full load, consult Power Company.

7. Grounding andBonding

Install, ground, bond, and wire motor in accordance with local or national electrical code requirements. Permanently ground motor. Use green ground terminal provided under motor canopy or access place; use size and type wire required by code. Connect motor ground terminal to electrical service ground. Bond motor to pool structure. Bonding will connect all metal parts within and around the pool with a continuous wire. Bonding reduces the risk of a current passing between bonded metal objects, which could potentially cause electrical shock if grounded or shorted.

Reference NEC codes for all writing standards including, but not limited to, grounding, bonding and general writing procedures.

Use a solid copper conductor, size 8 or large. Run wire from external bonding lug to reinforcing rod or mesh. Connect a No.8 AWG ($8.4mm^2$) solid copper bonding wire to the pressure wire connector provided on the

motor housing and to all metal parts of swimming pool, spa, or hot tub, and to all electrical equipment, metal piping(except gas piping), and conduit within 5 ft.(1.5m) of inside walls of swimming pool, spa, or hot tub.

WARNING - All wiring must be done by done a licensed electrician.

8. Wiring

Pump MUST be permanently connected to circuit. If other lights or appliances are on the same circuit, be sure to add their amp loads before calculating wire and circuit breaker sizes. Use the load circuit breaker as the Master On-Off switch.

Install a ground Fault Circuit Interrupter (GECT) in circuit; it will sense a short-circuit to ground and disconnect powerbeforeitbecomesdangeroustopoolusers.ForsizeofGFCIrequiredandtestprocedures for GFCI, see manufacturer's instructions. In case of a power outage, check GFCI for tripping, which will prevent normal pump operation. Reset ifnecessary.

NOTE-Ifyoudonotuseconduitwhen wiringmotor,besuretosealwireopeningonendofmotortoprevent dirt, bugs, etc., fromentering.

Start – Up & Operation

Prior to Start-Up

Notice: If it is necessary to perform a pressure test, prior to initial use to ensure pump is functioning properly, then the following criteria should be maintained for this test:

1. Have a professional perform thistest.
2. Ensure all pump and system components are sealed properly to preventleaks.
3. Remove any trapped air in the system by fully opening filter manual air relief valve until a steady stream of water is discharged.
4. Allow no more than 40 psi (276 kPa) at a water temperature no higher than 100F(38C').
5. Run pressure test for no longer than 24 hours. Immediately inspect all parts to verify they are intact and functioningproperly.Fillstrainerhousingwithwatertosuctionpipelevel.NEVEROPERATETHEPUMP WITHOUT WATER. Water acts as a coolant and lubricant for the mechanical shaftseal.

WARNING - If pump is being pressure tested (40PSI MAXIMUM), be sure pressure has been released, using the filter manual air relief valve, before removing strainer cover.

CAUTION - NEVER run pump dry. Running pump dry may damage seals, causing leakage, flooding, and voids warranty. Fill strainer housing with water before starting motor.

6. Do NOT add chemicals to pool/spa system directly in front of pump suction. Adding undiluted chemicals may damage pump and voidswarranty.
7. Before removing strainer cover.
   - ♦ STOP PUMP beforeproceeding.
   - ♦ CLOSE VALVES in suction and outletpipes.
   - ♦ RELESE ALL PRESSURE from pump and piping system using filter manual air relief valve. See filter owner's manual for moredetail.

Priming Pump

CAUTION} All suction and discharge valves MUST be OPEN, as well as filter air relief (if available) on filter, when starting the circulating pump system. Failure to do so could result in severe personal injury.

1. Release all pressure from filter, pump, and piping system. See filter owner'smanual.
2. If water source is higher than the pump, pump will prime itself when suction and outlet valves are opened. If water source is lower than the pump, unscrew and remove strainer cover; fill strainer housing withwater.
3. Clean and lubricate cover O-ring each time it is removed. Inspect O-ring and re-install on strainer cover.

4. Replace strainer cover on strainer housing; turn clockwise to tighten cover.

NOTE - Tighten strainer cover by hand only (nowrenches).

CAUTION - Turn on power and wait for pump to prime, which may take up to five (5) minutes. Priming time will depend on vertical length of suction lift and horizontal length of suction pipe. If pump does NOT prime within five minutes, stop motor and determine cause. Be sure all suction and discharge valves are open when pump is running. See Troubleshooting Guide. Wait five (5) seconds before re-starting pump. Failure to do so may cause reverse rotation of motor and consequent serious pump damage. Close filter manual air relief valve after pump is primed.

Storage/ Winterization

WARNING - Separation Hazard

1. Do not purge the system with compressed air. Purging the system with compressed air can cause components to explode, with risk of severe injury or death to anyone nearby. Use only a low pressure (below 5 PSI), high volume blower when air purging the pump, filter, orpiping.
2. Allowing the pump to freeze will void thewarranty.
3. Use ONLY propylene glycol as antifreeze in your pool/spa system. Propylene glycol is nontoxic and will not damage plastic system components; other anti-freezes are highly toxic and may damage plastic components in thesystem.
4. Drainallwaterfrompumpandpipingwhenexpectingfreezingtemperaturesorwhenstoringpumpfora long time (see instructionsbelow).
5. Keep motor dry and covered during storage. To avoid condensation/corrosion problems, do NOT cover or wrap pump with plastic film orbags.

Storing Pump For Winterization

WARNING - To avoid dangerous or fatal electrical shock hazard, turn OFF power to motor before draining pump. Failure to disconnect power may result in serious personal injury or death.

1. Drain water level below all inlets to thepool.
2. Remove drain plugs from bottom of strainer body, and remove strainer cover from strainerhousing.
3. Disconnect pump from mounting pad writing system (after power has been turned OFF), and piping system.
4. Once the pump is removed of water, re-install the strainer cover and drain plugs. Store pump in a dry area.

Shaft Seal Change Instructions

IMPORTANT SAFETY INSTRUCTIONS, PLEASE READ AND FOLLOW ALL INSTRUCTIONS.

When servicing electrical equipment, basic safety precautions should always be observed including the following. Failure to follow instructions may result in injury.

1. To reduce risk of injury, do not permit children to use thisproduct.
2. Disconnect all electrical power service to pump before beginning shaft sealreplacement.
3. Only qualified personnel should attempt rotary seal replacement. Contact your local authorized Dealer or service center if you have anyquestion.
4. The National Electrical Code requires either a three (3) foot maximum twist-lock cord set with a GFCI protected receptacle or hard wire (conduit) connection for swimming pool pump installation. Do not use extensioncords.
5. Exercise extreme care in handling both the rotating and the stationary sections of the two-part replacement seal. Foreign matter or improper handling will easily scratch the graphite and ceramic

sealingsurfaces.

Troubleshooting

A: Motor Will NOT Start-Check For:

Make sure the terminal board connections agree with the wiring diagram on motor data plate label. Be sure motor is wired for available field supply voltage (see pump operating label).

1. Improper or loose wiring connections: open switches or relays; tripped circuit breakers, GFCI's, or blown fuses.
2. Solution: Check all connections, circuit breakers, and fuses. Reset tripped breakers or replace blown fuses.
3. Manually check rotation of motor shaft for free movement and lack ofobstruction.
4. Solution: Refer to "Shaft Seal Charge Instructions" in thismanual.
5. If you have a timer , be certain it is working properly. Bypass it ifnecessary.

B: Motor Shuts OFF-Check For:

1. Low voltage at motor or power drop (frequently caused by undersized wiring or extension cord use).
Solution: Contact qualified pro fissional to check that the wiring gauge is heavy enough.
NOTE-Your pump motor is equipped with an "automatic thermal overload protector." the motor will automatically shut off if power supply drops before heat damage can build up causing windings to burn out. The "thermal overload protector" will allow the motor to automatically restart once the motor has cooled. It will continue to cut On/Off until the problem is corrected. Be sure to correct cause of overheating.

C: Motor Hums, But Does NOT Start-Check For:

1. Impeller jammed withdebris.

Solution: Have a qualified repair professional open the pump and remove the debris.

D: Pump Won't Prime, Check For:

2. Empty pump /strainerhousing.

   Solution: Make sure pump /strainer housing is filled with water and cover o-ring is clean. Ensure o-ringis properly seated in the cover o-ring groove. Ensure o-ring is lubricated and that strainer cover is locked firmly in position. Lubricant will help to create a tighterseal.

3. Loose connections on suction side.
   Solution: Tighten pipe/union connections.
   NOTE-Any self-priming pump will not prime if there are suction air leaks. Leaks will result in bubbles emanating from return fittings on pool wall.
4. Leaking o-ring or packing glands onvalves.
   Solution: Tighten, repair, or replacevalves.
5. Strainer basket or shimmer basket loaded withdebris.
   Solution: Remove strainer housing cover or skinner cover, clean basket, and refill strainer housing with water. Tighten cover.
6. Suction sideclogged.
   Solution: Contact a qualified repair professional.
   Block off to determine if pump will develop a vacuum. You should have 5"-6" of vacuum at the strainer (Only your pool dealer can confirm this with a vacuum gauge).You may be able to check by removingthe skimmer basket and holding your hand over the bottom port with skimmer full and pump running. If no section is felt, check for lineblockage.
   a) If pump develops a vacuum, check for blocked suction line or dirty strainer basket. An air leak in the suction piping may be thecause.

b) If pump does not develop a vacuum and pump has sufficient “primingwater”:

i. Re-check strainer housing cover and all threaded connections for suction leaks. Check if all system house clamps aretight.

ii. Check voltage to ensure that the motor is rotating at fullRPM’s.

iii. Open housing cover and check for clogging or obstruction in suction. Check impellerfor debris.

iv. Remove and replace shaft seal only if it isleaking.

E: Low Flow – Generally For:

1. Clogged or restricted strainer or suction line.
   Solution：Contact a qualified repairprofessional.
2. Undersized pool piping.
   Solution: Correct pipingsize.
3. Plugged or restricted discharge line of filter, valve partially closed (high gaugereading).
   Solution: Sand filters – backwash as per manufacturer’s instructions; D.E. filter – backwash as per manufacturer’s instructions; Cartridge filters – clean or replace cartridge.
4. Air leak in suction (bubbles issuing from returnfittings).
   Solution: Re – tighten suction and discharge connections using Teflon tape. Inspect other plumbing connections and tighten as required.

Plugged, restricted, or damaged impeller. Solution: Replace including new sealassembly.F: Noisy Pump – Check For:

1. Air leak in suction piping , cavitations caused by restricted or undersized suction line or leak at any joint, low water level in pool, and unrestricted discharge returnlines.
   Solution: Correct suction condition or throttle return lines, if practical. Holding hand over return will sometimes prove this point or putting in a smaller eyeball fitting.
2. Vibration due to improper mounting,etc.
   Solution: Mount the pump on a level surface and secure the pump to the equipment pad.
3. Foreign matter in pump housing. Loose stones/debris hitting impeller could be cause.
   Solution: Clean the pumphousing.
4. Motor bearings noisy from normal wear, rust, overheating, or concentration of chemicals causing seal damage which will allow chlorinated water to seep into bearing wiping out the grease causing bearing towhine.
   Solution: All seal leaks should be replaced at once.

NOTE: If the recommendations in the Trouble Shooting portion of this manual do not solve your particular problem(s), please contact your local dealer for service.

Winterizing

Consult your dealer for advice on winterizing your equipment if freezing temperatures occur in your locality. His knowledge of your equipment makes him the best qualified source of information. Follow his recommendations, and if these include draining the filter system, proceed as follows:

1. If your system does not contain a filter, proceed tostep2.
   A. For sand filters: BACKWASH for 3 to 5 minutes and set dial valve toWINTERIZE.
   B. For cartridge filters: Clean the filter element and store in a dryplace.
2. Drain system by loosening drain plugs (drain plugs will drain without completely removing the plugfrom unit) and/or removing pipecaps.

Water Chemistry

A proper and consistent use of chemicals is necessary to maintain clean, sanitary water, prevent a spread of germ infection and control the growth of algae which can spoil the appearance and enjoyment of your pool or

spa.
Chlorine is the most commonly used chemical to provide clean, sanitary water. Either dry or liquid chlorine (calcium or sodium hypochlorite) can be used which should be added daily as it is dissipated by dirt and germs as well as be the sun and wind.
It is also important that the correct level of acidity or alkalinity of the pool water be maintained. This is the pH of your pool with pH 7.0 being neutral. Readings above 7.0 are alkaline and below are acid. A desirable range is 7.2 – 7.4.

Maintenance

Clean strainer basket regularly. Do NOT strike basket to clean. Inspect strainer cover gasket regularly and replace as necessary. Clean hair & lint strainer if you have a strainer body pump.
Pumps have self-lubricating motor bearings and shaft seals. No lubrication is necessary.
Keep motor clean. Insure air vents are free from obstruction to avoid damage. Do NOT use water to hose off motor.
Shaft seals may become worn and must be replaced if leakage is observed. Replace with seal assembly kit of SPLASH Company. See “Shaft Seal Change Instructions” in this manual.

Visually inspect motor for blockage of air vents on motor shell. Remove any debris after breaker off.Cleaning

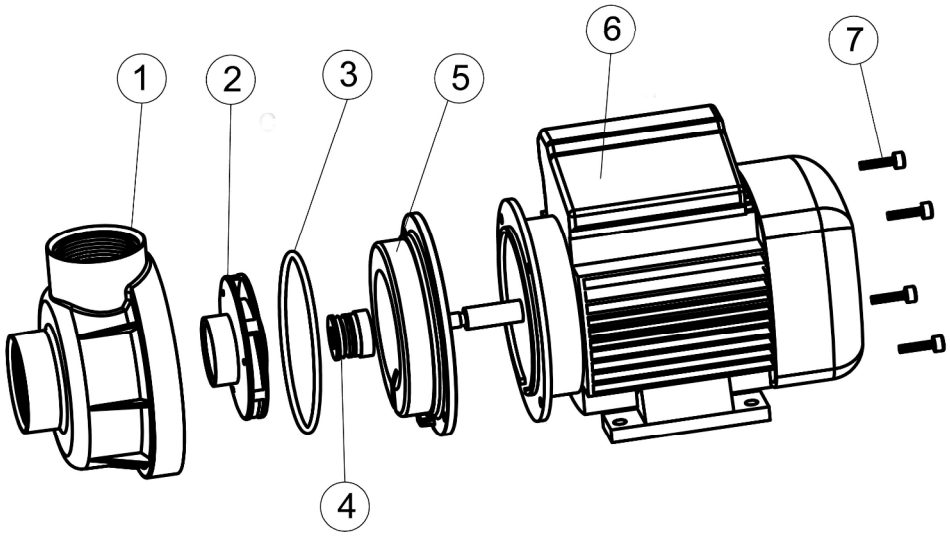
Switch power off. Close valves in suction and return line. Unscrew strainer Ring-Lok counterclockwise and remove the strainer cover from hair and lint strainer and lift out strainer basket. Clean and replace the basket. Take care to seat basket properly. Clean O-Ring and re-lubricate with petroleum jelly if necessary. Clean O-Ring seats on cover and strainer. Refit cover and strainer – hand tighten only – and open valves. Put pump back into operation.
Caution: Do not retighten strainer during operation.

Service & Repair Parts

Refer all service to your local dealer as his knowledge of your equipment makes him the best qualified source of information. Order all repair parts through your dealer. Give the following information when ordering repair parts:
1. Unit nameplatedata.
2. Description ofpart.

TECHNICAL DATA

Model	HP	RPM	Volte / HZ	Amps	Remark
72510	1/5 HP	2850	230V/50HZ	1.0	Single- speed



Parts Listing:72510

Ref. No.	Part No.	Description	QTY
1	647251201080	Pump housing	1
2	647271271000	Impeller for 72510	1
3	65431069080	o-ring	1
4	65028013000	Seal assembly	1
5	647251202080	Pump cover	1
6	65023424000	0.2HP motor for 72510	1
7	65224024000	Screw M5X20	4