

## whirlpool Bathtub Operation Instructions

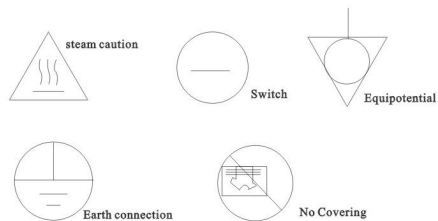


### Dear Customer,

Thank you for choosing our company's Sanitary Wares. Welcome to Sanitary Ware family. Please read the operation instruction carefully before using it.

#### 1. Safety precautions

1. The installation and test of whirlpool bathtub must be operated by a qualified electrician or a professional person who assigned from dealers.
2. The power feeder facilities should comply with national safety standards. Make sure that the wire is laid correctly and it is done in with a equipotential connection. Having a contact at least 3.0mm separation in all poles that provide full disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
3. A RCD less than 30mA should be added in the whirlpool bathtub.
4. Before you can use the whirlpool bathtub, you must fix the two back panels to the wall.
5. Earthed appliances must be permanently connected to fixed wiring;
6. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
7. Signs:



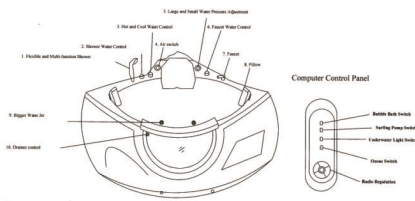
## II. Installation

1. Open the packing cartons to check whether the whirlpool bathtub have defects, and the availability of fittings.
2. Put the whirlpool bathtub in a pre-determined place, then adjust the screw rod to make the whirlpool bathtub at a horizontal position stabled.
3. The hot and cold water supply device should be located in a hiding place of bathtub body, through hose to connect with hot and cold water connection. (Water pressure must not be lower than 0.23 Mpa, if poor water it should be install water filtrating equipment.)
4. Lead the drain pipe to the preformed floor drain. Then set the whirlpool bathtub into the right place. Do not extruding, bending, choking drain pipe, make sure the balling smoothly.

## III. Whirlpool bathtub Operation Instructions

1. According to the sign of hot and cold water adjust suitable water temperature. (Temperature should be controlled not exceeding 70°C)
2. Only all water jets are submerged in water, can turn on the air switch. Through hydraulic massage control to adjust the water pressure.

### Bathtub Accessories



(2)

(3)

## IV. Warning

1. Carefully operation for those who are drunken men, old ages, heart disease and high blood pressure.
2. Children and mental obstacles must be accompanied by adults when operate whirlpool bathtub. (See photo)
3. A care is needed when children, senior citizens and drunks are using it. Children are not allowed to use the shower room by themselves except having being tutored to use it correctly and thoroughly known the results of inaccurate using. (Computer control panel)
4. Please be careful slipping and tripping when using it, because the bottom of whirlpool bathtub according to the ergonomic principles designed the body curve like a mountain with up and down changes.
5. Before every time use, make sure the power switch is off and the hot and cold water faucet is on. After use, make sure the power is cut off.
6. The instructions shall state that separate electrical appliances producing steam or humidity are not to be used inside the cabinet.

## V. Clean and Maintenance:

1. When clean whirlpool bathtubs, please use normal liquid detergent And soft cloth to wipe, can't use the detergent with acetone or ammonia water to clean. If there is glue leftover from adhesive tape on the surface of whirlpool bathtubs, can use soft cloth dipped with petrol to wipe away.
2. If there is scratch on the surface of whirlpool whirlpool bathtubs, can use waterstone abrasive paper in 1500# - 2000# to polish, and then spread some toothpaste, polish again by soft cloth, then same as new one.
3. The scales in the surface of front glasses can be cleared up by some soft cloth to wipe after using such faintly acid wash as lemon juice, vinegar etc.
4. It needn't to clean very often for gold plating and chromium-plating parts.
5. Please don't use rough tools and clean agent with chemical solvent or pellet to clean the surface of whirlpool bathtubs.
6. Please don't use objects with edges and corners, and cutting tools to knock or scratch the surface of whirlpool bathtubs.
7. Often check the power line, switch and plug are good.
8. Often check the flow pipe and drain pipe are good , no water drops, balling smoothly

## VI. The method for solving troubles

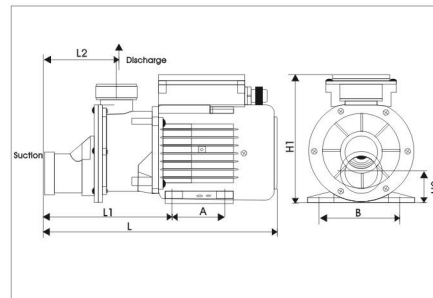
Trouble phenomenon	The reason of	troubleshoot the trouble and solve it
No power or Creepage cut down	The connection of power wire is not good or the switch of creepage cut down	Check the Power, electro circuit and ground lead to solve creepage.
	There is creepage in electrical source and electro circuit.	Inspect connection and obviate the bad contact, then contact electrical source.
Motor not working	The air switch and pipe finished not good or the pipe has becken.	Make the air switch and pipe finished good or change the pipe.
	The air switch keeps on.	Turn off power, check the air switch and the air spring are good or not, if their spring broken, please change it.
	The air pressure in air switch is not enough.	Change the air switch.
	Power off.	Turn on power.
	The motor burnt out.	Check the motor whether is short circuit or not connected or burned out, change motor.
	The Impeller and principal axis not working.	Turn on motor, if has noise in motor but motor not working, 1. Fuse burnt out, change fuse, 2. Open back cover of motor, if the impeller not moved when you circumvolve it, the principal axis broken, change the motor.
Big noise	There is malfunction in motor.	Change the motor.
	Screw for motor too loose or too tight.	Adjust the screw.
	There is deck on motor.	Check the motor, keep the deck way off motor.
No shower or shower to weak	The water pressure is abnormally.	Inspect the water pressure in flow pipe.
	Switch valve not connected or not work.	Connect the switch valve or repair it.
	The flow pipe broken or jammed.	Change flow pipe or clean the pipe.
	Filter of hot and cold switch jammed.	Clean the filter.
Electroplate goes moldy	Chemical cauterization (like gas and glue)	Change it and keep way off chemicals
	stiffness and aqosity, Change	electroplate, keep airtness and dryness.

(4)

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⚠ You are now the owner of Rocol Pump, the pump was Carefully inspected and subjected to final performance tests before releasing for shipment, in order to have maximum performance. Please follow the Simple instruction in this manual.

- 1.1 Application
- 1.2 Operating Conditions:
  - 1.2.1 Liquid Temperature:  $\leq 60^{\circ}\text{C}$
  - 1.2.2 Ambient Temperature:  $\leq 40^{\circ}\text{C}$
- 1.3 Outline Drawing
- 1.4 Sound Pressure Level:  $\leq 65\text{dB(A)-1m}$



**2. Electrical Connections**

The electrical connections should be carried out in accordance with local regulations.

The operating voltage and frequency are marked on the nameplate. Please make sure that the motor is suitable for the electricity supply on which it will be used.

⚠1. To avoid risk of injury, ONLY QUALIFIED ELECTRICIANS SHOULD OPEN THE MOTOR COVER!

2. Never make any connection in the pump terminal box unless the electricity supply has been switched off!

3. Connections should be made as shown on the inside of the terminal box cover!

4. Keep all the wires dry!

**3. Pump operation**

1. Frequency of starts and stops: Maximum 50 starts per hour;

2. The pump is designed for the pumping of water and other thin, nonaggressive and nonexplosive liquids, containing no solid particles or fibers and the pump is not self-priming;

3. Never run pump dry! That may damage seal element, causing leakage and flooding;

4. Filling bath to 50mm above the top of jets before starting pump;

5. The motor may operate at high temperature. So in order to avoid burns, NEVER TOUCH THE MOTOR'S SHELL;

6. To avoid risk of injury, do not permit children operating this unit without the supervision of an adult at all times;

7. Do not drop, insert and replace any object into the pump.

**4. Pump maintenance**

1. Under normal operating conditions, the pump does not require any maintenance;

2. Pumps which are not being used during periods of frost should be drained to avoid damaging. (For sited outside location);

**5. Fault Finding Chart**

⚠ Before attempting to diagnose any fault, make sure that the electricity supply has been switched off.

Fault	Cause	Disposal
1. Pump does not start	a) No power input or Low Voltage; b) Motor is defective; c) The tube connected to the bath and pump's Air switch has broken off; d) pump's Air switch is defective;	a) check circuitry; b) Replace pump; c) Reconnect the tube; d) Replacing air switch
2. Pump runs but gives no water	a) Pump is not filled with liquid b) Suction or discharge pipe is blocked by impurities; c) Pump is not installed at correct level in relation to the spa suction; d) Water level is 100 l/w;	a) Restart while filled; b) Check pump or pipeline; c) Confirm correct installation with the installer; d) Ensure water level is at least 50mm above the level of the jet.
3. Pump stops during operation.	a) Thermal overload switch in motor or external motor protection cuts out; b) Control circuit has cut out;	a) Check motor cooling and ensure adequate ventilation; Motor is operating with low voltage supply b) Turn on the circuitry.