





Thank you for purchasing a Clearwater Clearspa bath tub

The following instructions will take you step by step through the installation process.

Index

1. Items provided and useful tools
2. Connection of the air pipes
3. Connection to the motor
4. System operation and maintenance

Section 1 - Items provided and useful tools

The Clearspa system is already factory fitted to your bath. The additional equipment you receive is 1) the motor, 2) the air pipe, two separate lengths, 3) 4 x hose cuffs, 4) 4 x hose clips, 5) a non return valve and 6) touch pad. These are all seen in the picture below.



Useful tools for the job (not supplied)

- PTFE tape
- Pliers
- Screw driver (straight and posi drive)
 - Sharp knife
- Silicone sealant

Important wiring information

The spa system comes complete with at least 4m of air tubing pipe. The pipe connects the motor to the bath. It is essential you plan firstly where the bath will be situated and secondly where the motor will be situated. A qualified electrician must make all electrical connections. It is essential that the electrical contractor installs all equipment in strict compliance with I.E.E regulations 16th Edition, 1991 or update. All electrical wiring must conform to British Standards. We recommend that all Clearspa systems are fitted with an (ELCB) Earth Leakage Circuit Breaker (not supplied). This should be wired in line to the fuse box or alternatively may be wired into a 30A ring main via a junction box. We recommend that a appropriately fused 1amp switch spur (not supplied) be provided to isolate the system for servicing. A 5 amp may be necessary.

Section 2 - Connection of the air pipes

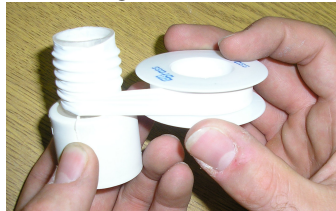
- The Clearspa is already factory fitted inside the bath.
- All that is seen on the base of the bath is clusters of small holes which allow the air to be released into the bath. A cluster of holes is shown in the picture below



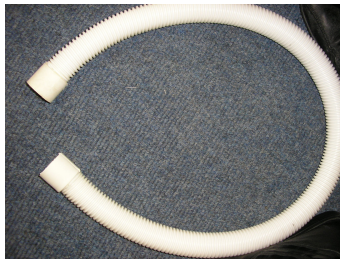
- These holes are safely encased and are independently fed to the manifold which protrudes from the waste end of the bath, as seen in the picture below.



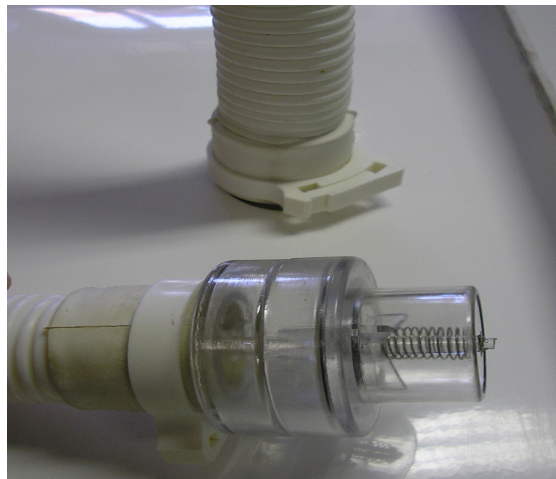
1. Firstly position your bath in the desired area.
2. Once the bath has been plumbed in and the motor has been electrically connect by a qualified tradesman you can start connecting the air pipe work for the spa.
3. The pipe work connects the bath to the blower.
4. Start by taking the 4 x hose cuffs, shown below and placing PTFE tape (not supplied) around the thread, ensuring enough tape is placed around the thread to make sure a water and air tight seal is formed.



5. The air pipe needs to be cut into 2 parts. The first length goes from the bath to the non return valve, we suggest this length is no longer than 1.5m.
6. Once you have cut your first desired length of air pipe you can fit 2 hose cuffs to it, one at either end of the pipe as shown in the picture. The thread on the cuff is left handed so the screw movement will be anti clock wise.



7. One end of the pipe will fit over the manifold and the other end will connect to the non return valve. Both connections are secured by the Hose clips.
8. The non return valve is a safety feature. It stops any water travelling through the remainder of the pipe and getting into the motor. For this reason the valve must be fitted the correct way. The air is allowed to travel through one end of the valve and the non return is at the other end. The best way to test which end is which is to blow through both ends. The valve has a spring end which lets the air travel through this end must be fitted into the pipe that comes from the motor. The picture below shows the connection between the manifold and the non return valve.

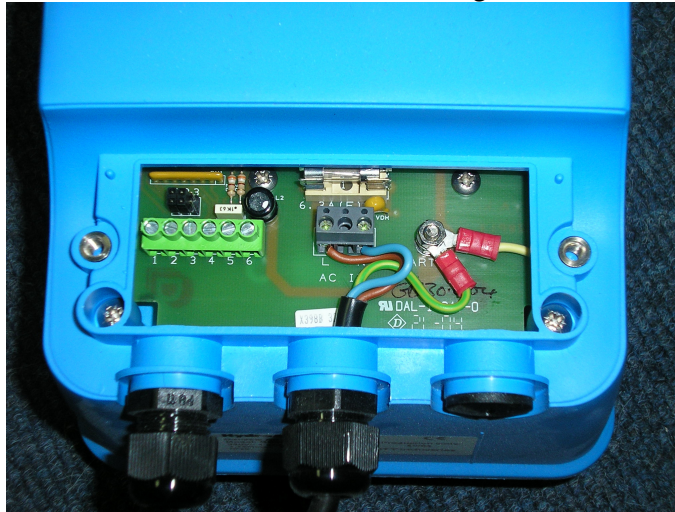


Section 3

9. You can now cut the required length which runs from your motor to the non return valve. Once the length is cut place the remaining hose cuffs on the two ends of the pipe. One end is fitted over the non return valve and secured by the hose clip, the other end is fitted to the motor as shown below. We recommend that a double loop is created in the hose to prevent water return. Please note that the pipe from the motor to the valve in the picture is shorter for photography purposes.



10. Once the air pipe has all been connected you can wire the touch pad into the blower. Certain baths have room for the touch pad to be fitted on the bath rim. If the touch pad is separate to the bath a place must be found else where to fit/attach the touch pad.
11. The touch pad is wired into the back of the blower. Unscrew the two screws at the back of the blower to unveil the connecting block as shown below.



12. The wires of the blower go into the connector block on the left hand side. If your touch pad is fitted with a white jack you must cut it off. You are left with eight wires. To wire the touch pad into the blower you only need five of the eight wires. The wires that you need are grey, black, blue, yellow and red. The other remaining three wires can be either cut down to the core or taped up.

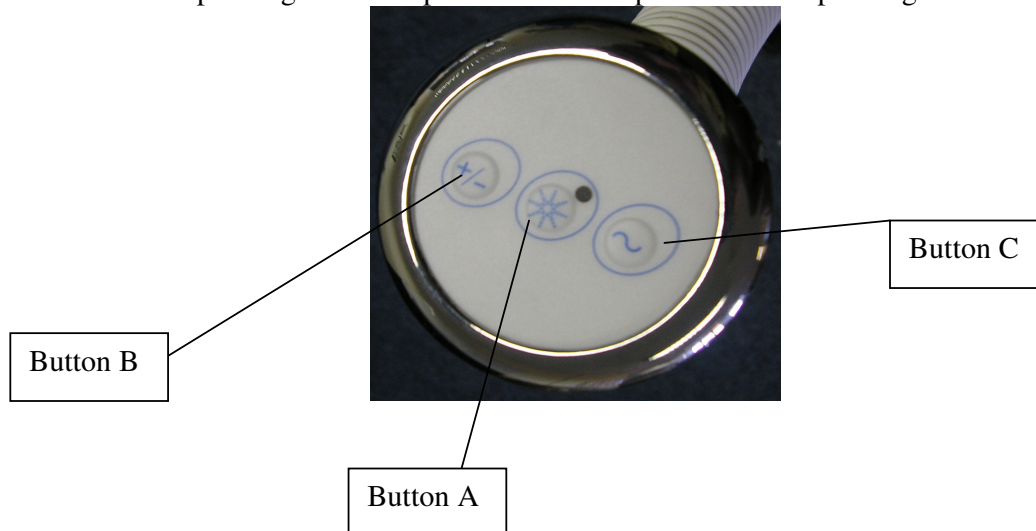
The order the wires connect in are as follows. 1. - grey, 2. - black, 3. - blue, 4. - yellow, 5. - N/A and 6. - red. This is shown in the picture below



To extend the touch pad wire, you will need to purchase a 5 core alarm wire. The extended connections must be made by a qualified person.

Place the cover back on the blower.

13. Operating the touch pad. – The touch pad has three operating buttons.



Button A – Starts and stops the motor. As seen in the picture above, an LED indicates when the blower is on or off, this light also indicates whether the hygiene system is on.

Button B – This is the variable speed button, press and hold to decrease and increase the speed of the blower, release the button at your required pressure.

Button C – This is the massage button, once pressed the speed varies from the high speed to slow speed continuously over a period of time. If the button is pressed again the speed of the motor will carry on at that speed.

Check all sealed areas for any leaks

Section 4

System operation

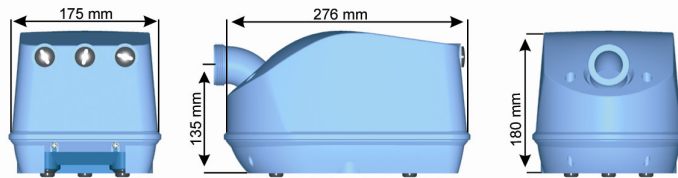
The blower will last approximately 30 minutes; after the 30 minutes have elapsed the blower will turn itself off. This is a safety feature ensuring the blower does not over heat. If the blower does not have sufficient room to breath the running time of the blower will be less.

Hygiene system

Once the bath has been emptied and the Clearspa system has been turned off, the LED on the stop start button (A) will flash to indicate the hygiene system is active. The hygiene system is programmed into the blower. The blower will start up again in approximately 15 minutes after it has been turned off at the touch pad. The objective of the hygiene system is to purge the remaining water out of the system and into the base of the bath where it can drain away. The hygiene system should last for approximately five minutes. After the five minutes have elapsed the motor will turn itself off. We suggest that you run the system even if the Clearspa has not been used, this can be done by turning the system on and off again engaging the Hygiene system.

Suggested blower information

The blower can be situated anywhere as long as it has “room to breath”. The blower can be boxed in but air holes must be drilled in the boxed area to let air in and out. It can be placed anywhere in the bathroom or even in an adjacent room. The blower has a specially designed mounting frame to be attached to the floor or wall. If the blower can be installed in another room is it advisable due to the acoustic noise. If extra air hose is needed please contact the Clearspa manufacturer.



Cleaning liquid

Sanitise your spa with Clearwater's own Clearspa cleaning solution. The specially formulated solution hygienically cleans both the bath and spa system. This is available from our head office, please call 01274 738140.

For Technical Advice/Spare parts please contact our Customer Service Department,
Tel 01274 738140, Fax 01274 732461

To the installer

Please leave the instructions with the customer

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