







Clearwater & Multipoint System

Installation Instructions and User Guide

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Test and Inspection Record

- | | |
|--|--|
| <input type="checkbox"/> Pump Operation | <input type="checkbox"/> Balance |
| <input type="checkbox"/> Control Operation | <input type="checkbox"/> Finish (fittings) |
| <input type="checkbox"/> Pipework | <input type="checkbox"/> Finish (bath) |

Tested By Date

System Serial Number :

**Please keep a note of this number. It is unique to your system
and will be required in the event of a warranty claim!**

SPA-JET Ltd

17 Hawthorn Terrace, Coleraine, BT52 2BW
Tel : +44 (0)28 7035 7103 Fax : +44 (0)28 7032 9549
E-Mail : SpaJetLtd@btconnect.com

Whirlpool Spa-Systems

Please Read These Instructions Carefully Before Commencing Installation



The proposed installation must allow access to the pump for servicing, with apertures large enough to facilitate removal of the pump



Before commencing installation, remove all packaging materials, including adhesive tape used to support pipework during transport.



Check the bath, pipework and pump for signs of accidental damage.



Check that the four pump feet, eight nuts, two profile clamps and two sealing washers have been supplied. Note that if the pump has been fixed to the bath by a bracket (as in Fig. 2), the pump feet and nuts are not necessary and will not be supplied.



Before moving the bath into position, set it up level and to the required fixing height. Leave adequate working space around the bath, particularly in the area where the pump fits. If the pump has been fixed to the bath with a bracket as in Fig. 2 then the rest of this page may be disregarded.



If the pump **has not** been fixed to the bath by a bracket (as in Fig 1), then fix the four feet to the pump and adjust the height to enable the delivery and suction ports to line up with the connections on the pipework. As there is usually a certain amount of play in the suction pipe, the delivery port should be lined up first.



Place the rubber sealing washers on the pipework pump and mate the pump to the pipework. The flanges on the pump and pipework should be square to one another.



Fit the profile clamps. It is essential that the clamps are correctly located to ensure a perfect seal between the pump and pipework. There should be a gap of approximately 4mm between the open ends of the clamp when it is fully tightened. If this is not the case, slacken the bolt and rotate the clamp until it clicks into place, then re-tighten. Note, if the pump feet are slackened off before fully tightening the clamps, the pump will be allowed to move slightly as the flange faces are pulled together. When the clamps are correctly fitted, re-adjust the feet to support the weight of the pump. Do not force the pump too high. This could cause priming problems and over-stress the pipework and pump casing.

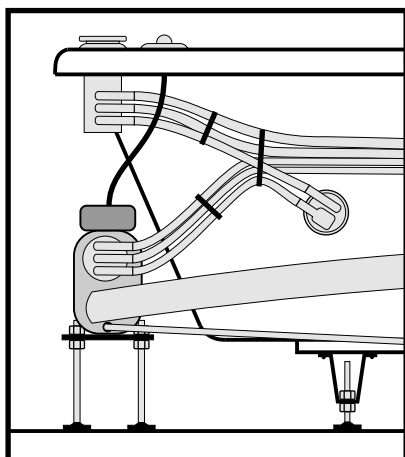


Fig. 1, Whirlpool with pump on feet

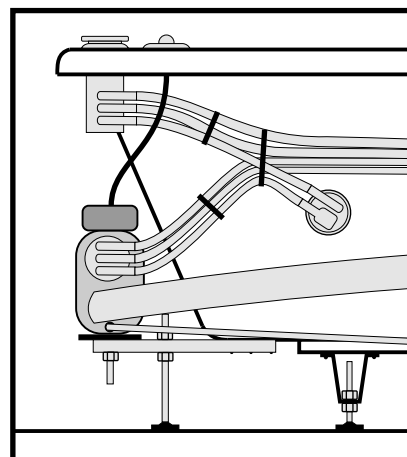


Fig 2, Whirlpool with pump attached to bath

Installation

Note - if the pump has been attached to the bath using a bracket as in Fig 2, then the following section may be ignored. If this is the case, ensure that any pump connections have not become loose.



The bath can now be moved to its required position and fixed according to the manufacturers instructions. Ensure that the 3 mm bore PVC pipe attached to the underside of the on/off button is not trapped or kinked.



Providing no undue strain is put on the pipework and that the bath fixing operation is not hampered, the pump can be left connected. If it needs to be removed, ensure the clamps and washers are not misplaced.



It is not necessary to screw the pump feet to the floor. The floor should be firm and level and all four feet should be touching it. A square of carpet underlay or similar material placed between the feet and the floor can effectively take up irregularities.



The 8 mm nylon drain pipe attached to the pop-up waste (or suction elbow) should now be connected to the pump drain fitting.



Loosen the retaining nut, push the pipe fully onto the central nozzle and re-tighten the nut by hand. **DO NOT OVER-TIGHTEN** e.g. By using grips.



The 3 mm bore PVC pipe fitted to the underside of the on/off button should now be pushed firmly onto the nozzle protruding through the lid of the pump control box.



The waste and water supply can now be connected to the bath.

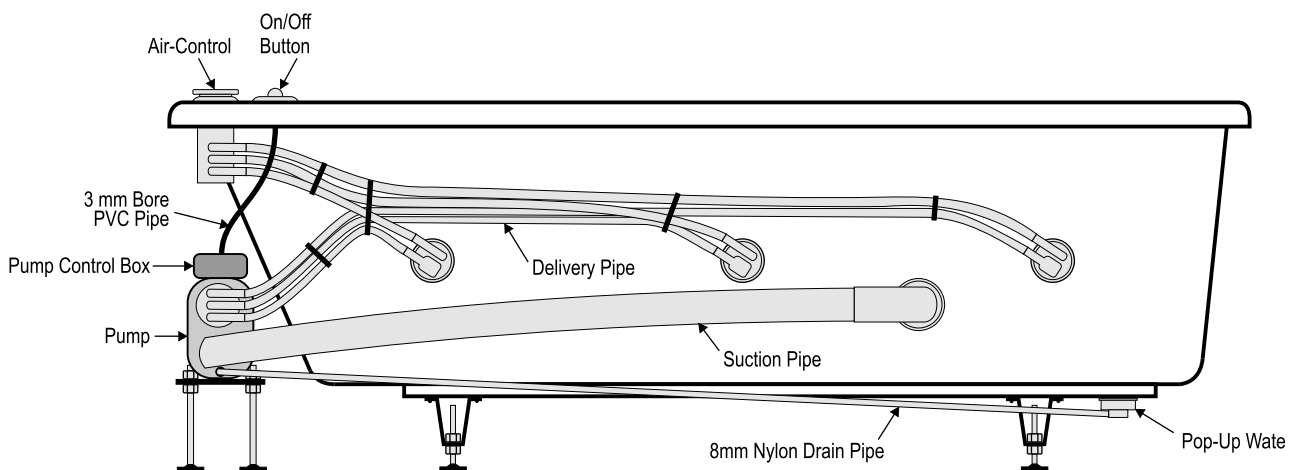


Fig 3, Side View of Whirlpool With Pump Installed on Feet

Electrical Connection

This should be carried out by a qualified electrical engineer

Supply requirements - 240v, 13amp, live, neutral, earth.



Wiring must comply with all regulations for electrical wiring, as published by the Institute of Electrical Engineers.



The supply must be wired via an earth leakage/residual current circuit breaker (ELCB, RCD, RCCB) rated at 13amp minimum with a 30 milliamp trip current. The supply line ***MUST*** be installed on a switched spur or pull-cord that must be easily accessible to adults but out of reach from small children. The ELCB should be fitted outside of the room where the bath is installed.



The pump is factory wired with a length of twin and earth flex for connecting to the power supply. The cable connector used must be rated to at least the IP55 standard of water proofing.



There is no need to remove the terminal block cover of the motor. Doing so without authorisation from Spa-Jet Ltd may invalidate the warranty.



The supply should be checked to ensure earthing is in existence and is satisfactory.

Test Procedure

This should be carried out before tiling is completed and before panels are fitted.

- 1** Isolate the power supply.
- 2** Ensure the bath does not contain any debris and that the suction fitting is clear.
- 3** Fill the bath with water to completely cover all of the jets.
- 4** Check the pump and pump connections and pipework for leaks.
- 5** Switch on the power supply. Press the on/off button to start the system. While the system is running, check again for leaks. (See user guide for operating instructions if an electronic control touch pad has been fitted).
- 6** With the air control open, check that all the jets are operating. Closing down the air control should eliminate virtually all of the air bubbles from the jets. Check again for leaks with the air-control closed.
- 7** If the system is leak-free and operates correctly, switch off, drain the bath and complete installation.

Trouble-Shooting

The system has been fitted, fully inspected and rigorously tested in our workshops. If, after installation, the system does not operate correctly or leaks occur, check the following.



SYSTEM WILL NOT START!

1. Is the power supply on?
 2. Is the power supply correctly wired to the pump flex?
 3. Is the pipe from the on/off button to the control box properly connected and not trapped, kinked or cut?
-



PUMP STARTS BUT JETS DO NOT OPERATE!

1. Is the suction blocked?
 2. Is the pump set too high? This prevents the pump from priming. Loosen pump feet so that it is supported only by the pipework. Re-adjust the feet so it is just supported. Drain the bath to below jet level, re-fill and re-test.
-



WHIRLPOOL IS LEAKING!

1. Are the pump to pipework connections and sealing washers correctly in place? Are the clamps properly located? Is the drain pipe correctly fitted?
-

If the system leaks or will not operate after the above checks have been carried out, or if leaks occur on the pump or pipework other than at the connections, contact **Spa-Jet Ltd** immediately.

Attempts to repair or modify any of the fittings, pipework or electrical equipment may cause damage and invalidate the warranty. **If in doubt, please ask!**

SPA-JET HELPLINE: 028 7035 7103

User Guide and Maintenance



Do NOT run the system when there is no water in the bath. The pump seals will eventually be damaged and leak. Always switch off at the isolating switch to prevent accidental operation when not in use.



Always ensure that the bath water level is above the jets before operating the system.



[Non-electronic controls only] There are two controls on the system. A push button to switch the system on and off (push once for on and once again for off) and a knob to adjust the amount of air being drawn into the jets. The push button operates the pump via an air switch, which means that there are no electrical connections directly to the bath. The button requires firm but not heavy finger pressure.



[Non-electronic controls only] The air control knob, if turned fully clockwise, will virtually prevent any air being drawn into the jets, giving the gentlest of hydro-massages. Turning the knob anti-clockwise will allow increasing amounts of air to be mixed with the water to give a much more vigorous, skin-tingling massage.



The 'eye-ball' nozzle (clear-water system only) in the center of each jet can be re-positioned to alter the direction of flow by loosening the jet cover and re-tightening when the new position has been set..









The system will not be affected by domestic bath water additives such as bath salts and oils. Bubble bath should be used very sparingly, as the aeration effect of the jets can produce large amounts of foam very quickly.



It is recommended that the system be cleaned and sterilised once a month using 'Spa Care Maintenance Cleaner' or a similar product. A household disinfectant such as Milton or Dettol may also be used. If using a specialised product, closely follow the instructions for use on the container. If using normal disinfectant, run the system for about 10 minutes, then drain. If the bath is not to be used for any length of time such as holiday periods, it is recommended that one of the cleaning routines described above should be carried out after the last bath before you leave and again before using the bath on your return.



If the whirlpool has been fitted with an electronic control touch pad, the following details what each of the symbols on the pad controls.

-  Switch the whirlpool on or off (non-dual systems).
-  Switch the whirlpool on or off (dual system).
-  Switch the air-spa on or off (dual system).
-  Switch the underwater lights on or off (if fitted).
-  Press and hold to gradually increase and decrease bubble vigour.
-  Press to switch the wave program on or off. The wave program will gradually cycle between vigorous and calm bubbles.

Guarantee & Warranty

Please fill in the following details and return to Spa-Jet as soon as possible.
This will ensure that in the unlikely event of a fault developing with your whirlpool spa system, your claim will be processed more easily.

PLEASE HAVE YOUR SYSTEM SERIAL NUMBER AT HAND
WHEN CONTACTING SPA-JET FOR HELP OR ASSISTANCE



Owner's Details

Name :

Address :

.....

.....

Post Code :

Telephone :

System Serial Number :

Date of Purchase :

Shop Where Purchased :

SPA-JET Ltd

**WHIRLPOOL WARRANTY
REGISTRATION**

Please cut out and send to :

Spa-Jet Ltd
17 Hawthorn Terrace
COLERAINE
Northern Ireland
BT52 2BW