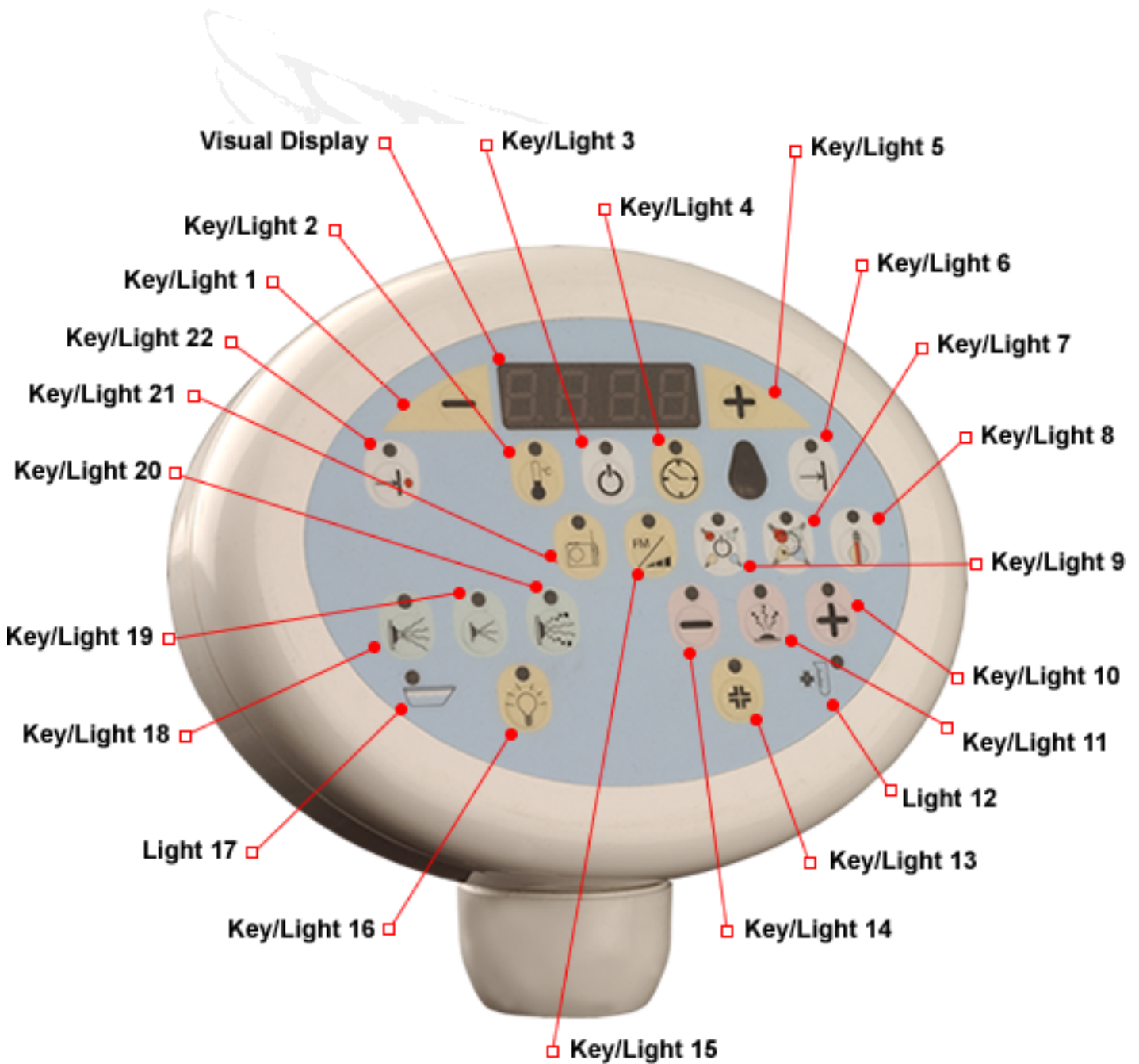


Venus User/Installation Instructions



Venus User/Installation Instructions

Master Off



This key stops all active functions and returns the device to stand-by mode.

Setting the Clock



Press and hold key 4. After a few seconds the digital display will flash. Select the correct hour using keys 1 & 5. Press key 2 again and follow the same procedure to set the minutes. Press key 2 once more to save the time value and return to stand-by mode.

Brass Under Water Light



Key 16 turns the underwater light on & off. This can only be operated when the water level indicator is on.

If the water level drops the function will be aborted, more water will need to be added before the under water light can be activated again.

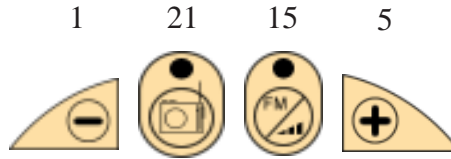
Chromatherapy Lights



The chromatherapy lights can be used with or without water in the bath.

Press key 9 to turn the lights on. You can change the colour by using key 8 or you can run a cycle of colours by pressing key 7. Press key 9 again to turn the function off.

FM Radio



The radio can be used with or without water in the bath.

Key 21 turns the radio on and off. Press key 15 the alternate between frequency and volume control (values can be seen on the visual display). The volume can be set at any value between *Au01* & *Au30* using keys 1 & 5. The frequency can also be adjusted using these keys.

Disinfection Cycle



The disinfection cycle can only be run when the water level indicator is on.

Pressing Key 13 causes Light 12 to flash. A fast flashing action indicates that the disinfectant level is not sufficient and needs topping up; A slow flashing action indicates that there is enough disinfectant and the disinfection cycle can begin.

After a couple of seconds *d_0* will appear on the visual display, at this point press key 13 again to start the disinfection cycle which runs for 3 minutes. If key 13 is not pressed during the *d_0* stage the action will be aborted and the control pad will return to stand-by mode.

Once the cycle has finished *END* will appear on the visual display. The bath must be completely emptied before it is used again.

Whirlpool



The whirlpool function can only be operated when the water level indicator is on.

Press key 18 to activate/deactivate this function. The running time will appear on the visual display and is automatically set at 15 minutes. This duration can be modified, from 5 minutes to 30 minutes, using keys 1 & 5.

If the water level drops the function will be aborted, more water will need to be added before the whirlpool can be activated again.

Wave



This function can only be activated if the whirlpool is running.

Key 20 turns this function on & off. This feature varies the pressure of the whirlpool by adding air to the jet stream - creating a wave effect. You can press key 20 to stop the wave action and maintain a certain pressure at any time during the cycle.

Cavitation



This function can only be activated if the whirlpool is running.

Key 19 turns the cavitation function on & off. This feature varies the pressure of the water from the jets - creating a pulsation effect.

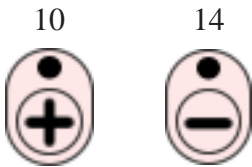
Airpool



The airpool can only be operated if the water level indicator is on.

By pressing key 11 the airpool function starts at its maximum speed and the display indicates a 15 minute countdown. This duration can be modified, from 5 minutes to 30 minutes, using keys 1 & 5. If the whirlpool is already in operation, the count down continues from the displayed value.

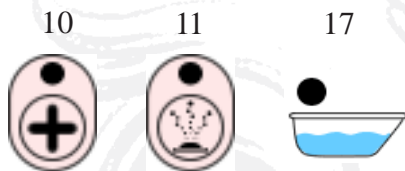
Venus User/Installation Instructions



Whilst the airpool is running the air flow rate can be adjusted, from a minimum speed of 1 to a maximum of 12, using keys 10 & 14.

Press key 11 again to turn the airpool off. If the water level drops the function will be aborted, more water will need to be added before the airpool can be activated again.

Airpool Sequence



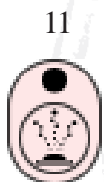
The airpool sequence feature can only be operated if the water level indicator is on.

The airpool has a special programme that can be activated by pressing key 10 (when the airpool is not already in operation). This initiates a programmed speed sequence that alternates maximum speed to minimum speed for a certain number of cycles.

The cycle is characterised by an acceleration from minimum to maximum speed that lasts 2 seconds, remaining at maximum speed for 15 seconds. At this point the airpool decelerates from maximum speed to the minimum, lasting 2 seconds, followed by 15 seconds at the minimum speed. This cycle is then repeated.

Press key 11 to turn this feature off.

System Blow Dry

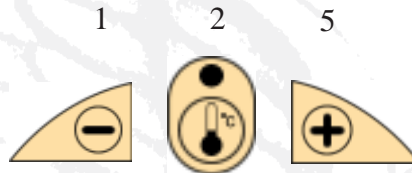


Press key 11 when the bath is empty to blow dry the pipework. *d_3* & *d_4* appear on the visual display and the blower will progressively increase to maximum speed until the cycle is complete.

Temperature Display/Setting



To display the temperature value the whirlpool or the airpool must be in operation. Press key 2 and the temperature will be displayed in °C for 15 seconds.



To adjust the water temperature keep key 2 pressed for 3 seconds. The default temperature of 27°C is displayed and can be adjusted using keys 1 & 5. For safety reasons, the temperature setting is only activated when the whirlpool is running. Light 2 indicates if the function is on or off.

When the thermoregulation function is active the visual display indicates the effective temperature of the water in the tub for a few seconds each minute.

If the airpool is running at the same time as the whirlpool the heater cannot operate. It will re-start once the airpool cycle has finished. To deactivate the temperature setting function press key 2 and hold for 3 seconds.

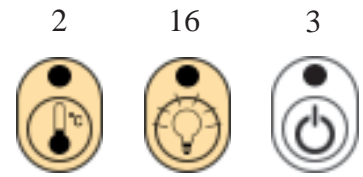
Pre-set Massage Programmes



Key 6 allows the user access to 9 pre-set massage programmes. To activate a programme all other functions must be off and the water level indicator must be on.

By pressing key 6, light 6 starts flashing and *Pr01* is displayed. Keys 1 & 5 can be used to select one of 9 different 6 again. The visual display will show a count down that indicates the duration of the selected programme. If during programme selection no keys are pressed within 10 seconds,

the control unit will return to stand-by mode.



When the programme is in operation no additional functions can be activated other than the temperature readout, the under water light and the master off key.

If the water level drops the programme will be suspended. The visual display will flash until either the water level reaches the right value again or the programme is stopped by pressing key 6 or key 3.

User Programming



To personalise a sequence make sure the water level sensor indicator is on and follow the steps below:

- Press key 22
- St01* will appear on the on the visual display. At this point the system is ready to record the first step of the sequence.
- Select a function (Whirlpool, Wave, Airpool, Airpool Sequence), or a combination these functions and press the appropriate keys to activate them.
- Press key 22 again and the duration will be displayed in seconds.
- Use keys 1 & 5 to select the running time of this stage.
- Press key 22 again to confirm the selected value. This completes the recording of step 1. The visual display will now read *St02*.
- Repeat stages 'c' to 'f'. You can record up to 25 steps and each step can have a maximum duration of 200 seconds.

In order to exit the user programming use key 1 to return to *St01* and then press key 22 with no functions in operation. Alternatively, you can press key 3.

Venus User/Installation Instructions

Installation Instructions

IMPORTANT - Do not use a knife to remove the wrapping.

This bath has been factory fitted with a quality whirlpool system. Once fitted the whole system has then been water & electrically tested, quality inspected and then wrapped to ensure that it arrives with you in perfect working order.

The quality of this finished product is now in your hands. Please read all the instructions overleaf before commencing installation. Should you have any difficulty then ring our **Duty Technical Support Engineer on 07787 982551 (8am-8pm Monday to Sunday)**

It is the responsibility of the contractor/purchaser to ensure that this bath is installed only by a qualified Plumber & a qualified Electrician. All electrical connections must comply with the current edition of I.E.E. Regulations. After connection the appropriate completion certificate must be presented to the end user in accordance with I.E.E. Regulations.

WARNING - If damage is caused to the system due to mishandling or incorrect installation, Whirlpool Express (UK) Ltd reserve the right to charge for any repair work needed! Our Callout charge is £75.00 plus VAT and will be charged to the customer for all callouts whether the fault lies with the customer or the installers.

Apology to installers

This whirlpool system has been fitted to this bath so as to allow as little water as possible to remain in the pipework after use. With some baths (especially corner baths) our best fit policy can occasionally mean a pump position or awkwardly placed pipework which will make life difficult for the installer and increase the normal installation time.

Our policy on water retention is, that is is better for the installer to "suffer" for a couple of hours, than for the end-user to suffer for years - If you are one of the few installers to "suffer", please accept our apologies.

The quality of this finished product is now in your hands. If you would like to discuss the options available, please ring us on our **Duty Technical Support Engineer on 07787 982551.**

PLUMBERS INSTRUCTIONS

- ☒ **DO NOT** lift or manoeuvre the bath by the whirlpool pipework.
 - ☒ **DO NOT** remove the protective tape from the controls on the rim of the bath until all plastering and grouting has been completed. Grout dust has been known to cement the aircontrol solid.
 - ☒ **DO NOT** remove any electrical ties on the pipework - they are there for a purpose.
 - ☒ **DO NOT** allow the electrician to install the E.L.C.B. under the bath - it makes it awkward for the customer to carry out monthly testing.
 - ☒ **DO NOT** allow anyone to dry run the pump. i.e.do not run the pump without water in the system. Water acts as a coolant for the pump impellor and casing without which costly damage will occur.
- **ACCESS must be allowed** to remove the pump and control box.
 - Assemble the bath legs etc as per the manufacturers instructions taking care if the bath has to be turned upside down. Occasionally we will temporarily fit the legs to the bath when fitting the whirlpool system. If the legs are subsequently left on the bath it is still the plumbers responsibility to check that all screws and brackets are in place.
 - Fit and adjust to correct height the pump bracket support leg
 - Adjust feet to the required height for the bath panel and slide the bath into position.

- Set the bath level and prefit the bath into the desired position. Check that the pump is within the confines of the bath. If the pump exceeds the confines of the bath it will be necessary to chase out the wall to accommodate the pump. This should be done before the bath is finally fitted.
- Ensure that all hot water pipes are clear of the whirlpool pipework - If necessary remove bath and re-make the hot water pipes keeping the blow torch away from the bath and whirlpool pipework. (Hepworth) fittings could be used to good advantage.)
- Connect the 8mm OD nylon pipe between the pump and the black drain fitting on the suction elbow (*Check connections if already fitted*).
- When the bath is level in the required position, and before final fixing takes place, temporarily connect the waste and water feeds, fill the bath with warm water to the level of the overflow and operate the whirlpool system under pressure for a period of twenty minutes. During this time all joints should be checked to ensure that they have not been damaged or weakened in transit. Leave the bath standing with water in it for a further 20 minutes and recheck the joints. Carry out procedures detailed in the commissioning checklist opposite.
- **Please note that we will not accept responsibility for removing the bath to repair any leaks which are discovered after the bath has been finally fixed and tiled in place.**
- The bath is now ready for an electrician to make the final electrical connection.



Venus User/Installation Instructions

ELECTRICIANS INSTRUCTIONS

- The whirlpool system must be protected by an ELCB/RCCB. If one is not already fitted to the mains board of the property it is necessary to do so now. Alternatively an ELCB/RCCB may be installed on the spur supplying the whirlpool system. In most circumstances the system may be connected into the 13 amp ring main, it does not need a separate supply from the main board. This connection should be made via a 13 amp fused spur, located outside of the bathroom.
- It is not advisable to locate the E.L.C.B./R.C.C.B. under the bath, it is awkward for testing and does not necessarily protect the wiring going into the bathroom!
- **DO NOT** remove the protective tape from the controls on the rim of the bath until all plastering and grouting has been completed. Grout dust has been known to cement the aircontrol solid.
- **DO NOT** remove any electrical ties on the whirlpool pipework - they are there for a purpose. If you wish to relocate any of the electrical boxes for ease of access after installation please make sure that wires are not stretched.
- **DO NOT** allow anyone to dry run the pump. i.e. do not run the pump without water in the system. Water acts as a coolant for the pump impellor and casing without which costly damage will occur.
- If it is necessary to remove the pump from the bath ensure that when it is re-installed that the rubber seals are in place.
- The pump and controls have been pre-wired for ease of installation - please double check that all connections have travelled well and are to your satisfaction.

- Connect the unassigned mains cable from the control box through the E.L.C.B. to the 13A fused spur.
- Connect the earth bonding as required by I.E.E. Regulations.
- In the absence of a plumber it is advisable that the electrician carries out the initial commissioning procedures - see below.
- The electrical installation should now be inspected in accordance with the latest edition of I.E.E. regulations and the Completion Certificate signed and handed to the customer.

COMMISSIONING CHECKLIST

- ① Fill the bath with water to a level of 2" above the level of the jets check the system for leaks, please pay particular attention to the pump unions.
- ② Demonstrate the operation of the whirlpool to the customer
- ③ Show the customer how to carry out the monthly test of the E.L.C.B.
- ④ If the bathroom is to be tiled after installation please place protective wrapping back over the controls to prevent contamination with grout dust.
- ⑤ Hand these instructions, the electrical completion certificate and the system guarantee to the customer.
- ⑥ Explain how the whole system can be isolated by means of the fused spur.

FAULT FINDING

Symptom

Press on/off button - nothing happens.

Solution

Check water is above the water level sensor and that the light is showing on the water level sensor. Check power supply is getting to control box. Check operation of the ELCB if the ELCB fails to test then the problem is at the fuse in the fused spur. If power supply is getting to Control box then check connections to pump and ancillaries are intact and have not been stressed.

LET'S GET IT RIGHT FOR THE CUSTOMER -NOW

Our Technical Support Engineer is available to help you on:

01633 244555

8am to 8pm - 7 days a week

Thank you for taking the time to read these instructions. We have genuinely tried to make installation as uncomplicated as possible for both the plumber and the electrician. Many of the improvements we have made to our systems over the years have been as a result of feedback from installers. If you have any suggestions for further improvements that could be made, please write and let me know.

*Roger Thompson
Managing Director
Whirlpool Express (UK) Ltd*



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