



# AROMA PUMP

## INSTALL & OPERATION MANUAL

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Please read this user manual carefully before installation and using the product.

LIVINGHOUSE.CO.UK  
TEL: 01722 415000  
EMAIL: SALES@LIVINGHOUSE.CO.UK

## AROMA PUMP

# IMPORTANT INFORMATION



- In case of any discomfort or adverse reactions, including shortage of breathe, irritation of eyes, nose or throat, please leave the room immediately and seek medical advice.

Notice: Please post the above warning in an obvious position near the steam room.

- Do not use water-soluble perfume, emulsifiers or acetaldehydes containing perfume, as they may cause damage to the pump.
- In order to prevent damage to your health and corrosion to the steam room area, aroma oils should not be excessively over used or injected into the steam pipeline.
- The aroma oils may cause drowsiness and dizziness and should not be touched. In cases of touching the eyes with aroma oil, rinse the eyes with plenty of water and follow medical advice. In case of swallowing, wash your mouth with water and seek medical advice immediately. Always mark and label the container containing aroma oils.
- The aroma oil is inflammable, keep away from fire sources and do not smoke. Keep the container sealed and well ventilated.

## Configuration and structure

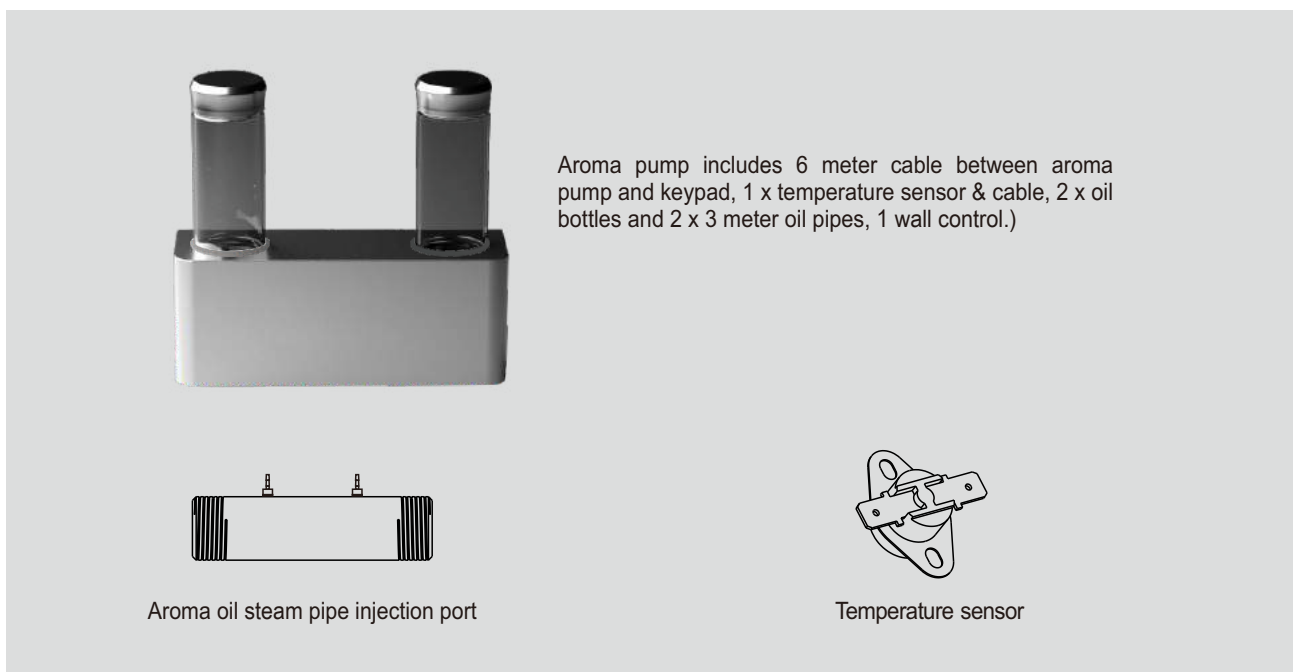


Figure 1: configuration diagram

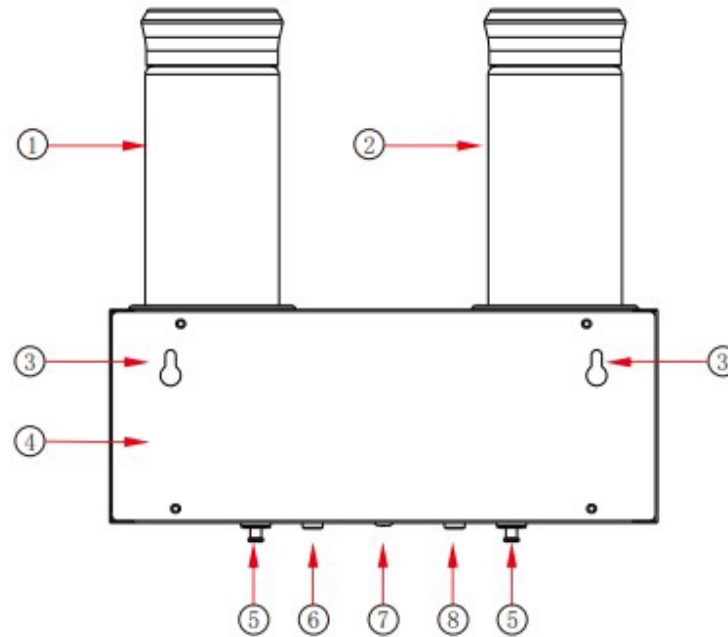


Figure 2: configuration diagram (back)

1. Oil bottle - A
4. Aroma pump body
7. Control cable

2. Oil bottle - B
5. Oil outlets
8. Temperature sensor outlet

3. Holes for installation
6. Power supply cable

## INSTALLATION

### **WARNING!**

1. The steam aroma pump should be installed in a convenient accessible location for monitoring and replacement of the aroma oil.
2. The aroma pump is for indoor use only and must be installed in a dry and clean environment without moisture, condensation and high humidity.
3. The aroma pump should be installed on a vertical surface.
4. The aroma pump cannot be installed in a place where water can freeze, and cannot be installed outdoors.
5. The aroma pump should not be installed in a place close to flammable materials, materials with corrosive properties and chemicals.
6. The installation of an aroma system should be easy to operate, have enough space for maintenance and re-filling of aroma oil.
7. The system should be installed in a place out of reach of children.
8. The steam pump should be sited higher than the aroma oil injection ports on the steam pipe, but should not be higher than 1.5 meters above.

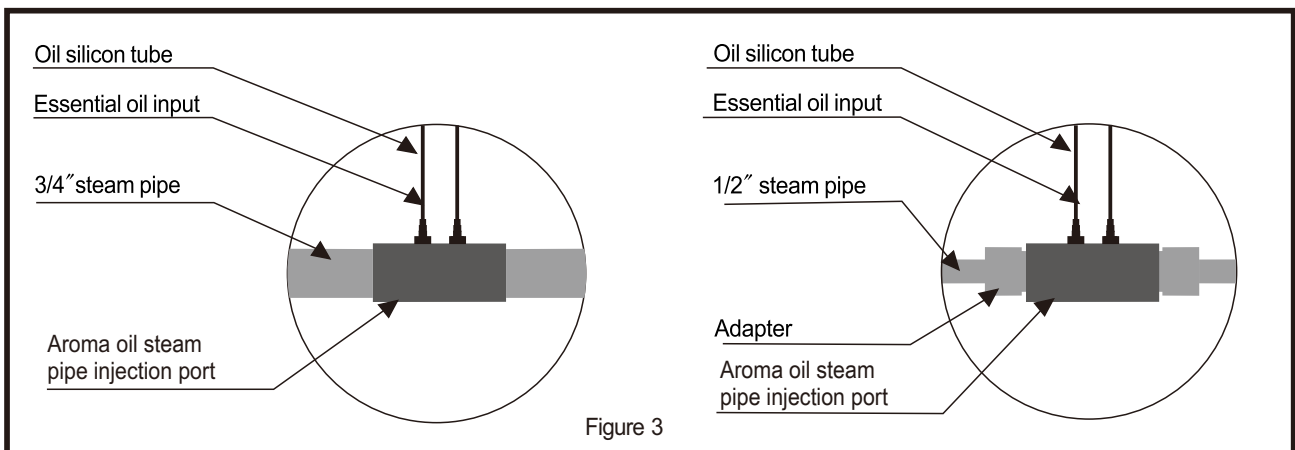
## AROMA PUMP

### Notice:

- The aroma diffuser should not be installed above or below the steam generator, because it is easily affected by the heat.
- The minimum distance between the steam generator and the aroma pump should be no less than 0.5m, if this is not possible, install thermal insulation board or thermal insulation materials between them.
- The environment temperature should not be higher than 60°C, as this may effect the aroma oil.

### Installing the aroma injection port on the steam pipe:

- Installation on 3/4" steam pipeline: Use the 3/4" "Aroma oil steam pipe injection port" installing in-line onto the steam pipe.
- Installation on 1/2" steam pipeline: Use the 3/4" "Aroma oil steam pipe injection port" and adapters for installing in-line onto the 1/2" steam pipe.
- Install the "Aroma oil steam pipe injection port" within 2.5m of the steam outlet. Please note that the aroma oil injection ports should be pointing vertically upwards.
- PTFE tape must be used on all joints to ensure good sealing.



### Installation of aroma oil hoses:

Install silicone aroma oil hoses between the aroma pump and the aroma injection ports installed on the steam pipe. Refer to figure 5 below.

**⚠ Notice:** Beware of melting or heat damage to the silicone tubing when siting it.

## Installation of temperature controlled switch

1. Fix the steam pipe temperature sensor switch using a jubilee clamp onto the steam pipe or directly onto the "aroma oil steam pipe injection port" as the figure 4;
2. As shown in Figure 4, it is recommended to add an insulation mat on the temperature sensor switch first, and then fix the temperature sensor switch into steam pipe with a jubilee clamp.
3. Connect the control cable and control switch.
4. The temperature sensor switch is designed to be open, and only closes and makes the pumping command to the aroma pump when the steam pipe sensor detects the temperature of 70 °C

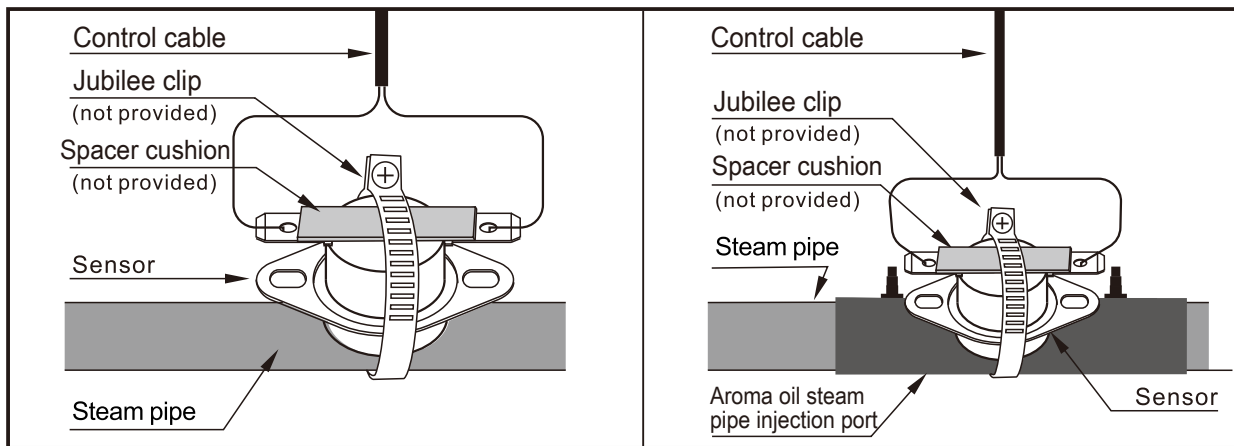


Figure 4

## Installation of aroma pump:

**⚠ Notice:** The aroma pump system is equipped with external cable plug and control cable. In case of any damage to the system and cable, it must be replaced by the relevant service agencies or professional personnel. All wiring must be conducted by licensed and qualified electricians.

Install the aroma pump as the following steps:

1. First install the pump by drilling two 8mm diameter holes 210mm apart horizontally at a height of no more than 1.5meters above the ground or "Aroma oil steam pipe injection port", insert rubber plugs and tighten screws (ST4\*25)
2. Second, install 3/4" aroma oil pipe with injection port on the steam pipe.
3. Third, connect the silicone tube from the aroma pump with the injection ports on 3/4" aroma oil pipe injection port.
4. Connect the control cable between the aroma pump and the keypad.
5. Refer to the above-mentioned methods and install the temperature sensor switch.
6. Connect Aroma pump to electricity, the aroma pump can now be power on/off by the keypad.

## AROMA PUMP

**Notice:** The aroma pump system will not run when the temperature of the steam pipe at the sensor is lower than 70°C. After the aroma pump is first installed, the oil pipe will be empty. Set the working pumping time to 9 seconds. With aroma oil in the bottles, switch the aroma pump on 4-5 times, this should bleed the oil to the aroma pipe.

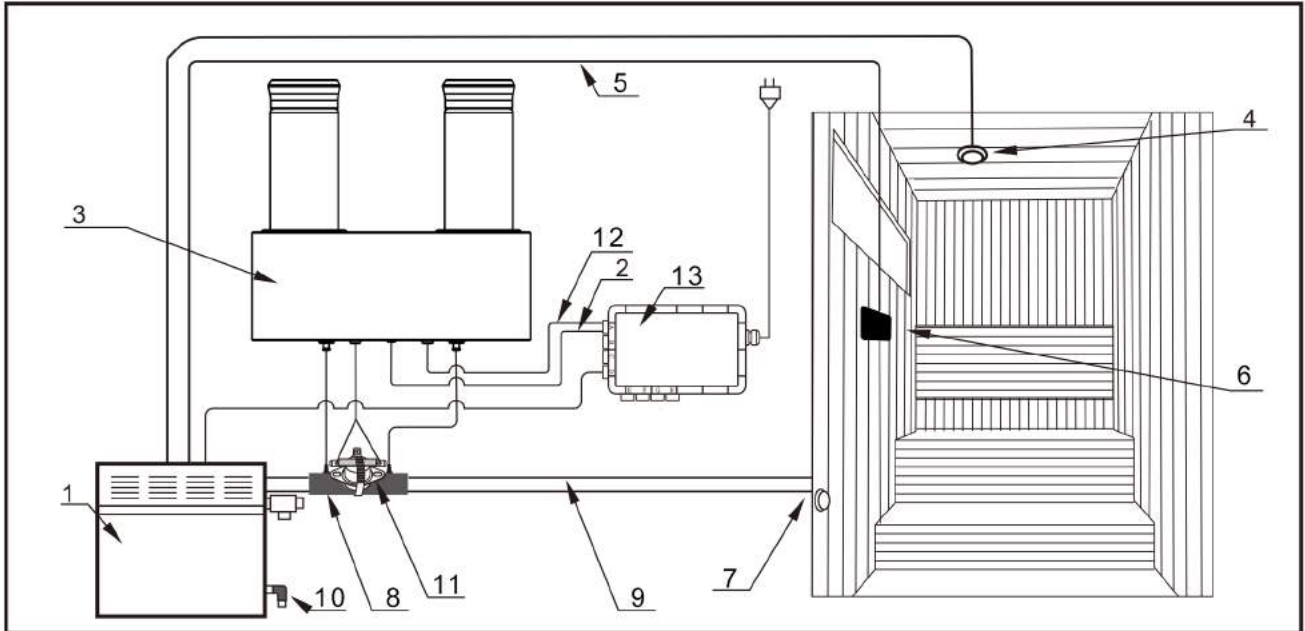


Figure 5-1 Built in power supply of main control box

- |                            |                                       |                                |
|----------------------------|---------------------------------------|--------------------------------|
| 1. Steam generator         | 6. Keypad                             | 11. Temperature sensor switch  |
| 2. Pump control cable      | 7. Steam outlet                       | 12. Control line               |
| 3. Aroma pump              | 8. 3/4" aroma oil pipe injection port | 13. Main bluetooth control box |
| 4. Light                   | 9. Steam pipe                         |                                |
| 5. Generator control cable | 10. Drainage pipe                     |                                |

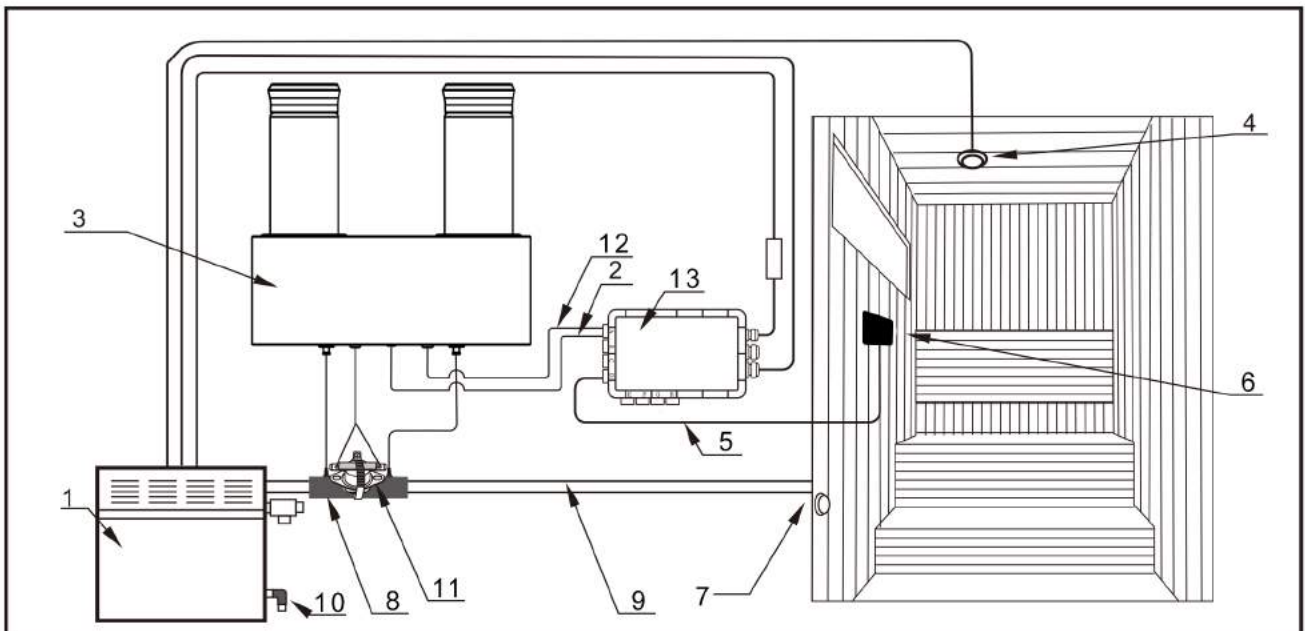


Figure 5-2 External power supply of main control box

- |                                    |                                       |                                |
|------------------------------------|---------------------------------------|--------------------------------|
| 1. Steam generator                 | 5. Generator control cable            | 10. Drainage pipe              |
| 2. Control cable of aroma diffuser | 6. Keypad                             | 11. Temperature sensor switch  |
| 3. Aroma pump                      | 7. Steam outlet                       | 12. Control line               |
| 4. Light                           | 8. 3/4" aroma oil pipe injection port | 13. Main bluetooth control box |
|                                    | 9. Steam pipe                         |                                |

**⚠ Supplementary notes:**

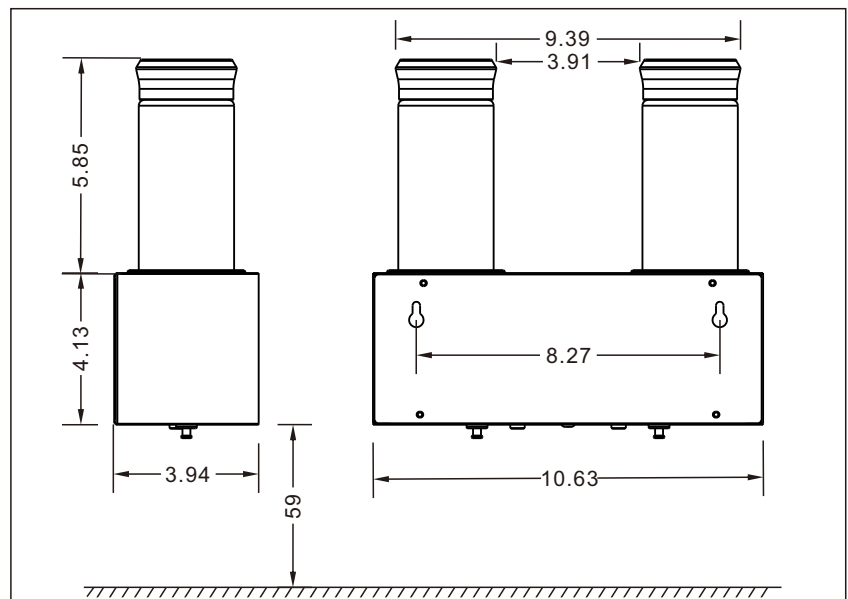
1. User can use different oils in A or B bottles and use as desired.
2. There are two pre-requisites to get the aroma pump to work.
  - A. Both the keypad power "on" and the aroma pump power "on" switches are on.
  - B. Temperature sensor must be securely fixed to the steam pipe. The aroma pump will only pump when the temperature of the steam pipe reaches 70C

**WARNING!**

Do not use pure essential oil at 100% concentration as they will corrode steam pipe and is not good for health. Essential oils must be diluted with a carrier oil and % may vary between oils. Please consult essential oil supplier.

**Specification**

Input voltage: 100~240 VAC 50/60 Hz  
 Power: 5 Watts;  
 Motor voltage: DC10.5V;  
 Output of essential oil: about 0.3ml/s



Picture.7 (unit:inch)

## AROMA PUMP

### Trouble Shooting

 **WARNING:** To avoid any injury caused by electric shock, unplug the power plug before the repair.

1. The controller fails to display. Check the power is switched on.

If the aroma oil fails to be injected into the steam room, it is recommended to carry out following inspections:

- a. Check whether the switch pump A, pump B is on.
- b. Check liquid of the aroma oil container;
- c. Check whether the pump is running;
- d. Check whether the conveying hose is bent, knotted or cracked;  
if yes, straight it or replace.

Please note: Aroma pump will not pump oil unless the generator is producing steam and the steam pipe sensor is sensing a minimum of 70°C.





LIVINGHOUSE.CO.UK

TEL: 01722 415000

EMAIL: SALES@LIVINGHOUSE.CO.UK

