

AROMA PUMP

INSTALL & OPERATION MANUAL

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

IMPORTANT INFORMATION

AROMA PUMP

WARNING!

- In case of any discomfort or adverse reactions, including dyspnea, irritation of eyes, nose, or throat, please leave the room immediately and see a doctor if required.

Notice: Please post the above warning in a suitable position within the steam room.

- Do not use water-soluble perfume or emulsifier and acetaldehyde containing perfume. The above solution may cause damage to this machine.
- In order to prevent any damage to your health and any corrosion to the room made of acrylic or glass fiber, the aroma oil injected into the pipeline shall not be excessive.
- The aroma may cause drowsiness and dizziness. Do not let children touch the aroma oil. In the case of eye irritation or swallowing, wash your mouth and eyes with water (only when conscious) and see a doctor immediately. Mark and label the container containing the aroma oil.
- The aroma oil is inflammable, so please keep away from fire source including smoking. Keep the container sealed and in a well ventilated area.

Configuration and structure

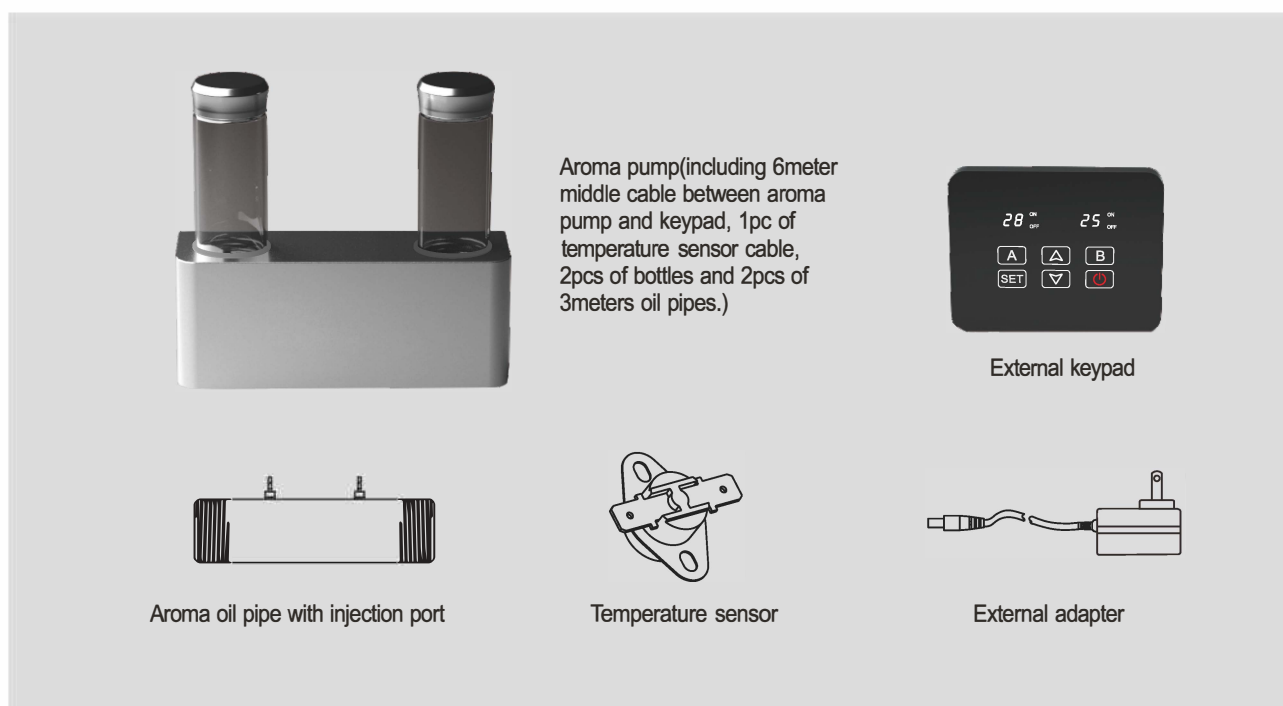


Figure 1: configuration diagram

AROMA PUMP

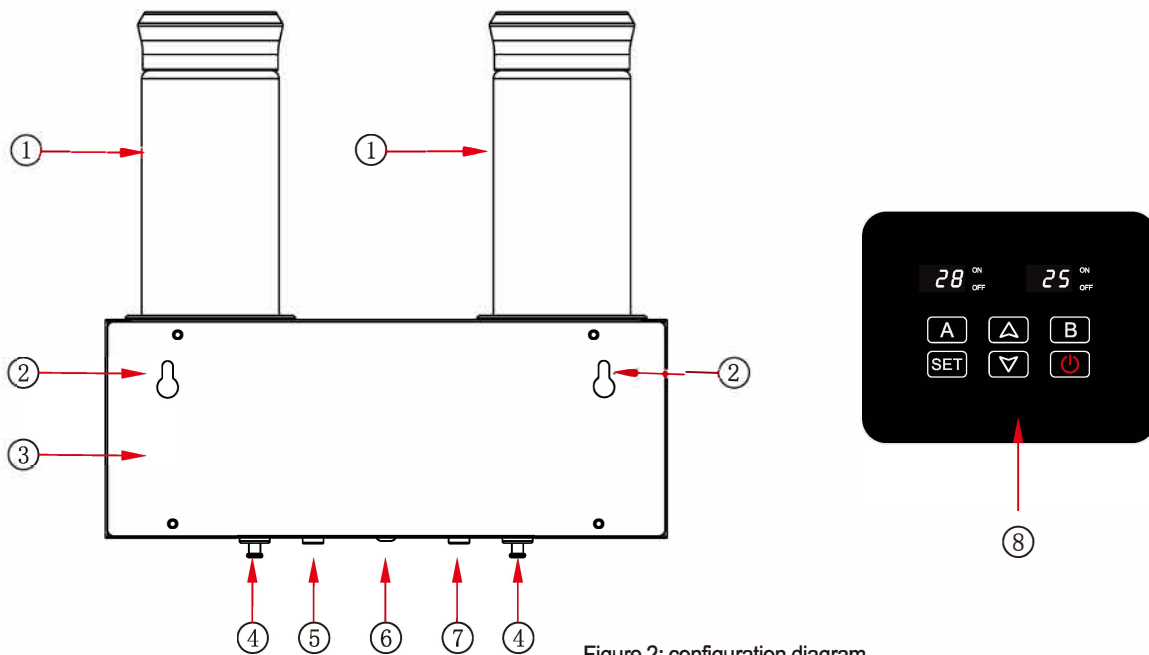


Figure 2: configuration diagram

- | | | |
|------------------------------|---------------------------|-----------------------------|
| 1. Oil bottle | 2. Holes for installation | 3. Aroma pump body |
| 4. Oil output | 5. Power supply cable | 6. Control cable for keypad |
| 7. Temperature sensor outlet | 8. Keypad | |

INSTALLATION

WARNING!

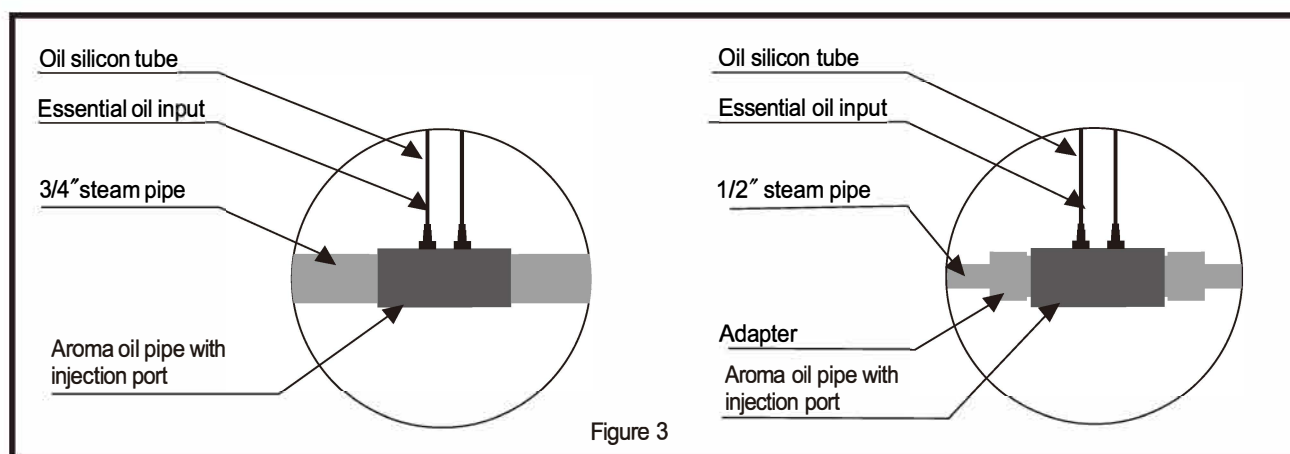
1. The steam aroma diffuser should be installed in a place where is convenient to observe, so as to monitor the consumption of aroma oil, and add and top up as required.
2. The aroma diffuser can only be fit for indoor use and must be installed in a dry and clean environment without moisture, condensed water or 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 which is close to flammable materials, materials with corrosive properties and chemicals.
6. The installation of aroma system should be easy to operate, and enough space should be left for maintenance and injecting aroma oil.
7. The system should be installed in a place which is not easy for children to touch, and it's better to install in secure area.
8. The pump outlets on the aroma pump should be higher than the aroma oil injection ports on the steam pipe, but should not be higher than 1.5 meters.

Notice:

- The aroma diffuser should not be installed in a place which is above or below the steam generator, because of the effects of heat.
- The minimum distance between the steam generator and the aroma diffuser should be 0.5 m, if not, please install a thermal insulation board or thermal insulation materials between them.
- The environment temperature should not be higher than 140°F, (60°C).

Install an aroma injection port on steam pipe:

- Installation on 3/4" steam pipeline: Use the 3/4" aroma oil pipe with injection port for direct installation on the steam pipe.
- Installation on 1/2" steam pipeline: Use the 3/4" aroma oil pipe with injection port and adapter for installation on the 1/2" steam pipe.
- Use the 3/4" aroma oil pipe with injection port for installation on the place within 2.5m from the steam outlet. Please note that the aroma oil injection port should be vertical (upward).
- PTFE tape must be used during the installation to ensure the sealing.



Installation of aroma oil conveying hose:

Lead the other end of the aroma oil conveying hose on the aroma diffuser to the aroma injection port installed on the steam pipe, and then connect. Refer to figure 5 below.

⚠ Notice: In case of melting or damage, the silicone tubing should not be placed in ultra-high temperature area.

Installation of temperature controlled switch

1. Fix the temperature controlled switch in a proper position with a jubilee clip on the steam pipe or on the aroma oil pipe with injection port as the figure 4 (being careful not to over tighten).
2. As shown in Figure 4, add an insulation mat on the temperature controlled switch firstly, and then fix the temperature controlled switch on a steam pipe with a jubilee clip.
3. Connect the two inserts of control line and control switch.
4. The temperature control switch is normally open, and will only close when the steam pipe **reaches the temperature up to 90°C (194°F)**.
Please note: The pump will not pump oil unless the steam pipe has reached 90°C.

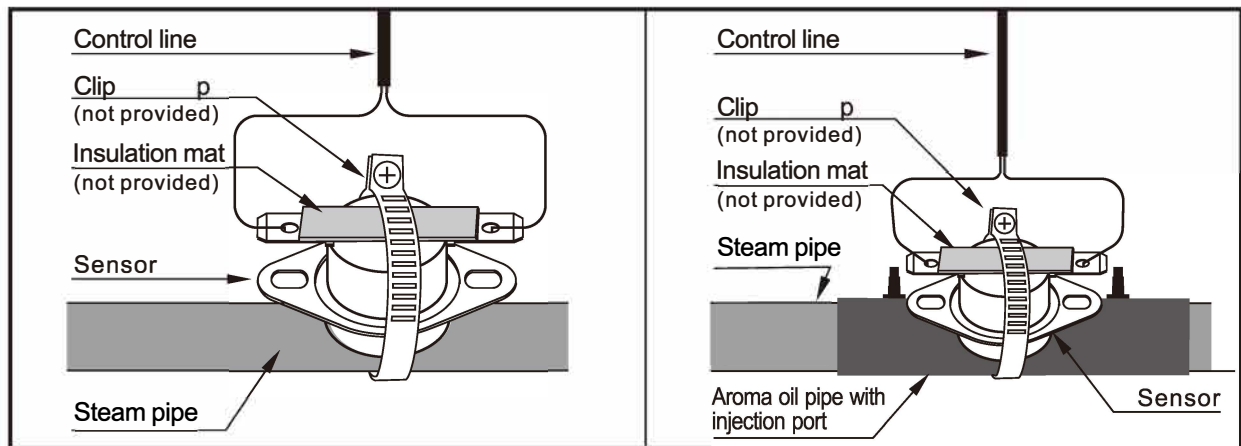


Figure 4

Installation of aroma pump:

⚠ Notice: The aroma pump system is equipped with external cable plug and control cable. In case of any damage of 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.

Please install the aroma pump as the following steps:

1. First, you should drill two 8mm diameter holes 210mm horizontally apart. 1.5meters above the ground, insert rubber plugs and tighten screws (ST4*25). offer up the aroma pump on the screws as figure 7.
2. Second, install 3/4" aroma oil pipe with injection port on the steam pipe.
3. Third, connect the silicone tube of aroma pump with the injection port of 3/4" aroma oil pipe.
4. Connect the control cable between the aroma pump and the keypad.
5. Refer to the above-mentioned methods and install the temperature controller switch.
6. Connect the Aroma pump to the electricity, the aroma pump can be powered on/off on keypad.

AROMA PUMP

Notice:

The aroma pump system stops running when the temperature of steam pipe is lower than 90°C (190°F).

After the aroma pump is installed, the oil pipe is empty. The user can set the working time to be 9 seconds, get the aroma pump to switch on for 4-5 times repeatedly, then essential oil inside bottle can be pumped to the injection port of 3/4" aroma oil pipe.

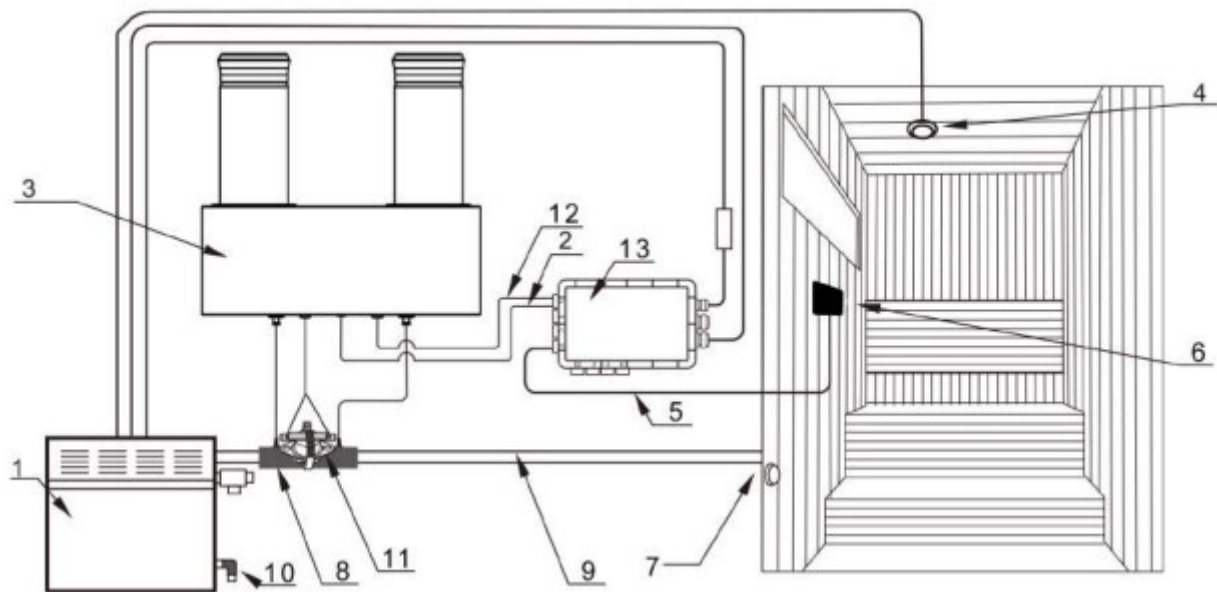


Figure 5

- | | | |
|-----------------------------------|------------------|-----------------------------------|
| 1. Steam engine | 5. Control cable | 9. Aroma oil injection port |
| 2. Control line of aroma diffuser | 6. Keypad | 10. Steam pipe |
| 3. Aroma diffuser | 7. Steam outlet | 11. Drainage pipe |
| 4. Light | | 12. Temperature controlled switch |

Keypad Operation

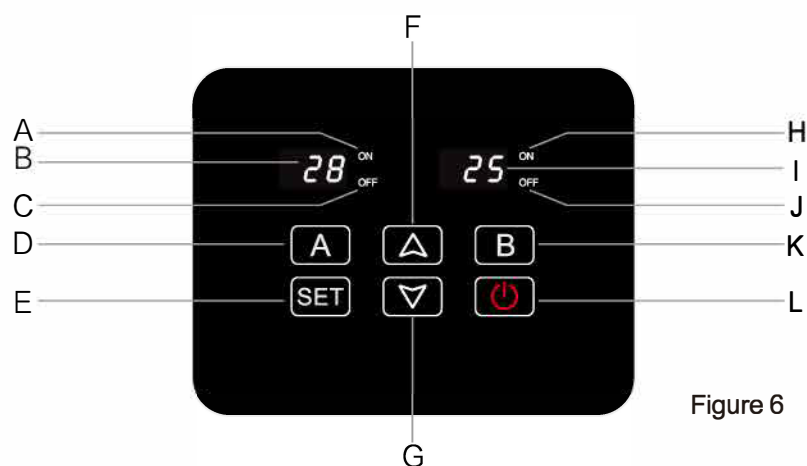












Figure 6

AROMA PUMP

A: On timer LED indicator for Pump A
B: Display window for Pump A
C: Interval time indicator for Pump A
D: Power ON/OFF for Pump A
E: Setting
F: Increase

G: Decrease
H: On time LED indicator for Pump B
I: Display window for Pump B
J: Interval time indicator for Pump B
K: Power ON/OFF for Pump B
L: Power ON/OFF

Pump A and pump B can be switch ON/OFF on external keypad.
Working time and interval setting can be memory for next time using.

1. Touch power on/off button  on external keypad to activate the aroma pump, after power on, touch button  or button  to switch between aroma bottles. If the system is activated but the no choice has been selected then the window will show - - , and after one minute, button backlight will dim.
2. When aroma pump is powered off, all buttons will not work except the on/off button  . the off LED indicator will be displayed.
3. Setting the working time of the pump: press the  button one or two times, you will see the green indicator flashing, then the panel shows the time. You can set the time between 1-9 seconds by pressing the up or down button,  or  button. Setting will be saved for next time.
4. Setting the interval time between oil pumping. Press the  button one or two times, you will see the red indicator flash. When the panel shows the time. You can select between 1-10minutes by pressing the  or  button. This setting will be saved for next time.

Memory

All settings will be saved for next use.

Supplementary notes:

1. The user can use oils of their choice in bottle A or B as desired.
2. There are two pre-requisites to get the aroma pump to work.
 - A. The keypad is on and relative bottle A or B is selected and settings have been entered.
 - B. Temperature sensor should be securely fitted onto the steam pipe.
 - C. The aroma pump will not pump oil until the steam pipe sensor detects 194°F (90°C).

WARNING!

Please don't use pure essential oil with 100% concentration as they will corrode the steam pipes and is not good for health. Depending on the oil chosen and carrier oil the percentages may vary but are generally the essential oil percentage is very low. (Please check with the essential oil suppliers to ensure the correct and safe mix.)

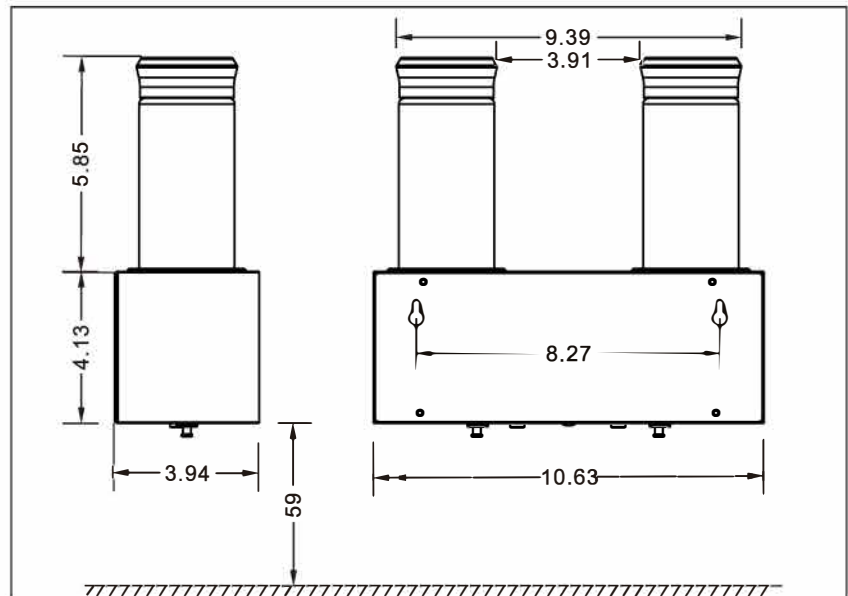
Specification

Input voltage: 100~240 VAC 50/60 Hz

Power: 5 Watts;

Motor voltage: DC10.5V;

Output of essential oil: about 0.3 ml/s



Picture.7 (unit:inch)

Trouble Shooting

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

1. If the controller fails to display: Check if the switching power supply is receiving power and whether the output voltage is normal. If the switching power supply is damaged, please contact your dealer or the manufacturer.
2. If the voltage input to the controller is normal without display, the controller may be damaged. Please contact your dealer or manufacturer in such event.

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 started;
- 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.
- e. Check that the steam pipe sensor is connected.
- f. The pump will not work unless the generator is producing steam
and the steam pipe sensor is reading 90C.

Useful videos



Setting up the aroma pump