



# O'FRESH

BRUMISATEUR DE TERRASSE

[www.ofresh.fr](http://www.ofresh.fr)

## Fog Machine User Manual

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### Models:

124 & 125














### Catalogues






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Thanks for buying this fog machine from O’FRESH. In order to help you correctly use it, please read this user manual carefully before start the machine.

## Safety Instruction

**Please read this instruction carefully before any operation to avoid any danger and accident**

	<p> The operator has to read and understand this instruction carefully before any installation and operation. And has to follow the install procedure, working procedure, safety precautions and maintenance standard.</p>
	<p> Please use the clean water. It's forbidden to use well water, river water and any other dirty water. Once such dirty water is used, the nozzles will be blocked, and pump life will be shorten or even cause running problems.</p>
	<p> Please check whether the wiring is exposed, whether any nut and bolt is loose, and whether the each pipe is wrongly connected, please adjust on time.</p> <p> This product has self priming function, but there should don't have air inside of the pump. Also, the water faucet connection will be your first choice.</p> <p> The spare parts of the fog machine, including water filter, pipe, nozzle and so on, must use the original parts. Otherwise, it's very easy to have water leakages, oil leakages and other problems.</p> <p> When cleaning the spare parts and machine cover, the non-corrosive safety solvent is required. All of the volatile, flammable, explosive detergent is not allowed.</p> <p> After running for some time, please check the pressure gage from the machine(usually check per month), and make sure the pressure is between 40bar to 70bar.</p> <p> The water filter should be cleaned frequently to prevent the dirty into the machine and nozzles and reduce product life.</p> <p> The nozzles quantity and size should be in related range. Otherwise, the pressure will not enough to supply the mist.</p> <p> The nozzles are consumption goods, please change to new ones</p>

		once it's blocked.
		Please check the voltage before turn on the power, this product voltage should be lower than 240V.
		When the motors has faults or any unsafe factors, please don't force to run the machine. The power should be off and with necessary reparation.
		It's strictly forbidden to open any pump, machine inner pipes, wire, machine valve and other related parts when the machine is running.

## Product Specification and color

### Detail specification:

Code	Flow	Pump	Power	Max Pressure	Rpm	Cooling size
		3 pistons		70Bar 1000Psi	1300/50Hz 1550/60Hz	
124	1.0L/min		180W			5M2 – 65M2
125	1.5L/min		180W			5M2–100M2

### Nozzles related quantity and size suggestions:

Size of nozzle	0.10mm	0.15mm	0.20mm	0.30mm	0.40mm
124	1~35	1~30	1~20	1~14	1~8
125	1~50	1~40	1~25	1~18	1~12


**Product available color:**

- White                       Red                       Purple  
 Black                       Golden                       Other customer color

**Product packing list**

	<b>Detail Configuration</b>	<b>Qty</b>
Main machine	<ul style="list-style-type: none"> <li>* New 3 pistons pump</li> <li>* New type of motors</li> <li>* With Touch Key system</li> <li>* With App operation system</li> <li>* 300hours oil change reminder system</li> </ul>	1
Inlet pipe system	High level water filter (SS304 filter)	1
	Polyether pipe with faucet connector	1.5m
	Polyether pipe with machine connector	1.5m
	Water filter connector (already assembled)	2
Outlet pressure pipe system (1/4" system)	PA12 pipe (double quality than PA6&11)	On customer demand or depend on the models
	Top level nozzles(0.15mm)	
	New quick fitting	
	End quick fitting	
	L type connector	
	0.75m SS pipe (250Bar)	
	0.25m SS Pipe (250Bar)	

	SS material pipe hanger	
	Machine & pipe connector	1
Other full set parts	Big pipe cutter	1
	Very strong package (can load 50KG)	1
	User manual	1
	Syringe	1
	Seal & O-ring for free	1

## Inspection

### ☐ **Once purchase**

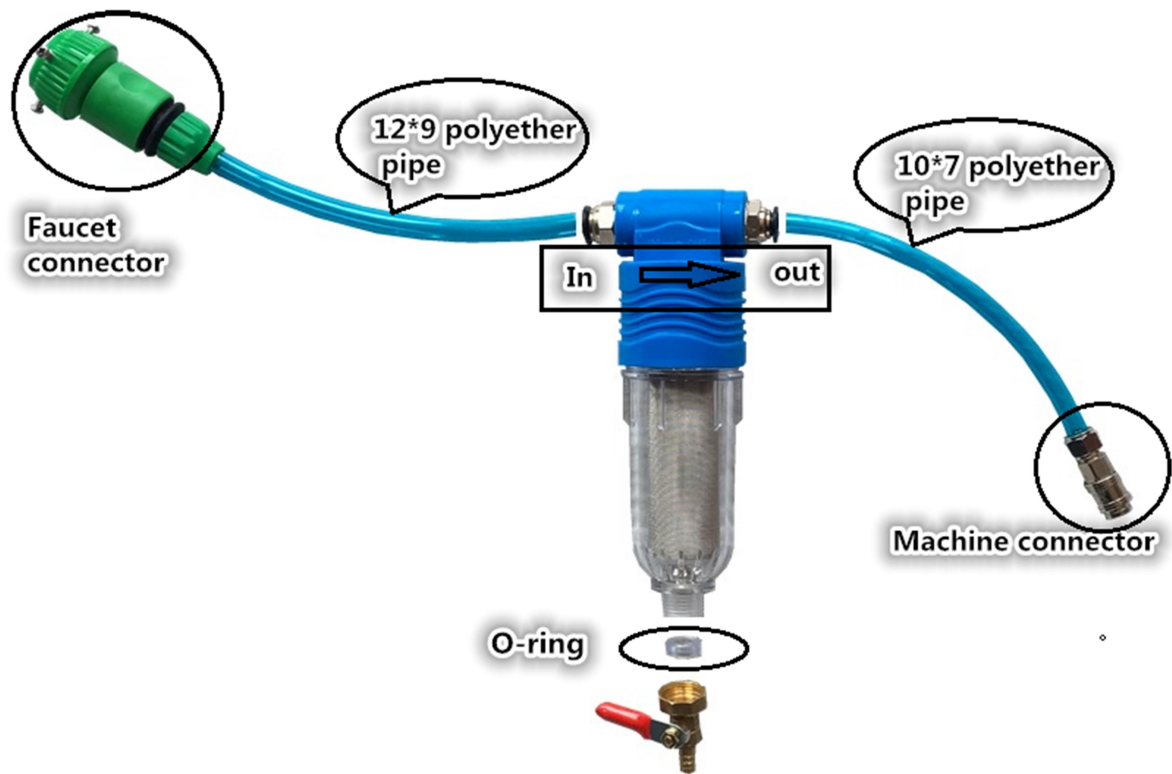
- Make sure there is no damage of the package;
- Make sure the product model is correct;
- Make sure the product color is correct;
- Make sure the parts is same according to the packing list.

### ☐ **During running of the machine**

- Make sure the machine body and parts is no damage;
- Make sure the power wire is no damage;
- Make sure the water filter and nozzle is without any block;
- Make sure the assembly and connection is correct;

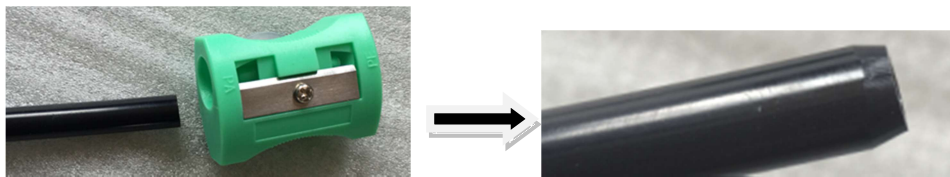
## Operation manual

### **Step 1: Install the inlet water system.**

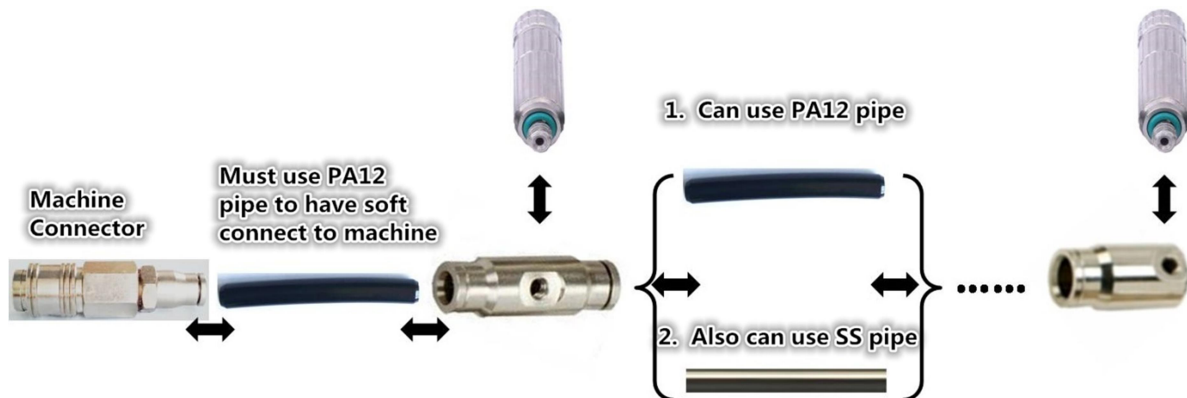


**Step 2: Install the outlet high pressure pipe system.**

**A. Make the PA12 pipe round by Pencil sharpener(will easier for installation)**



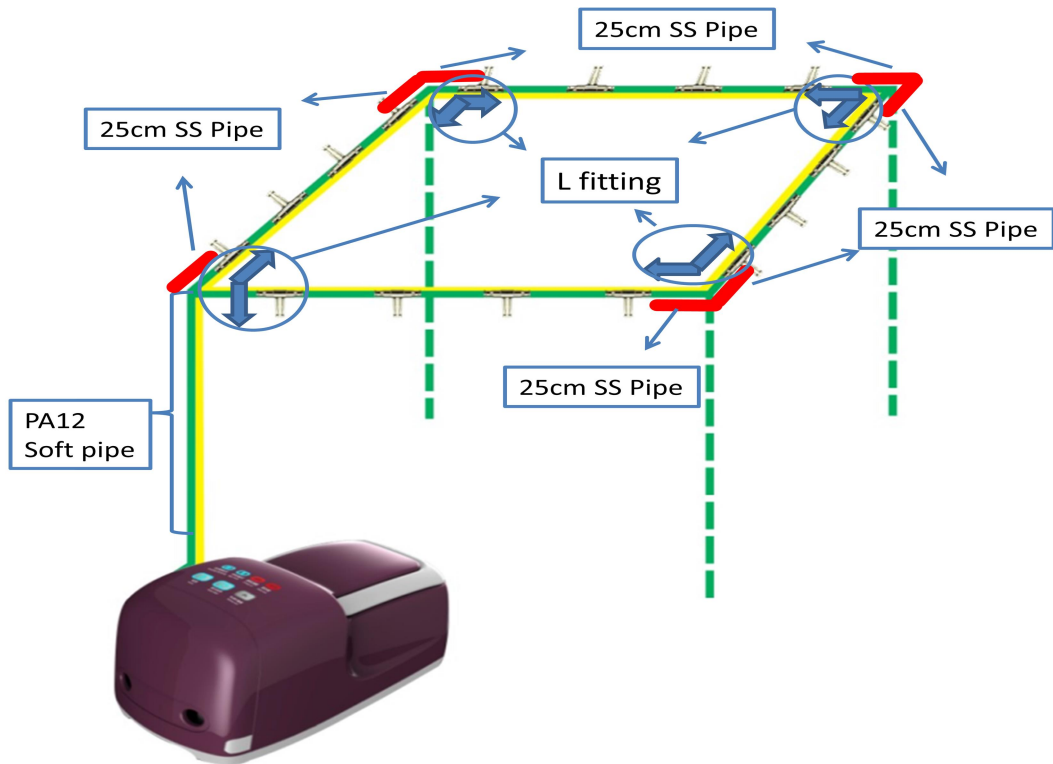
**B. Install the pipe system according to your lay out design**



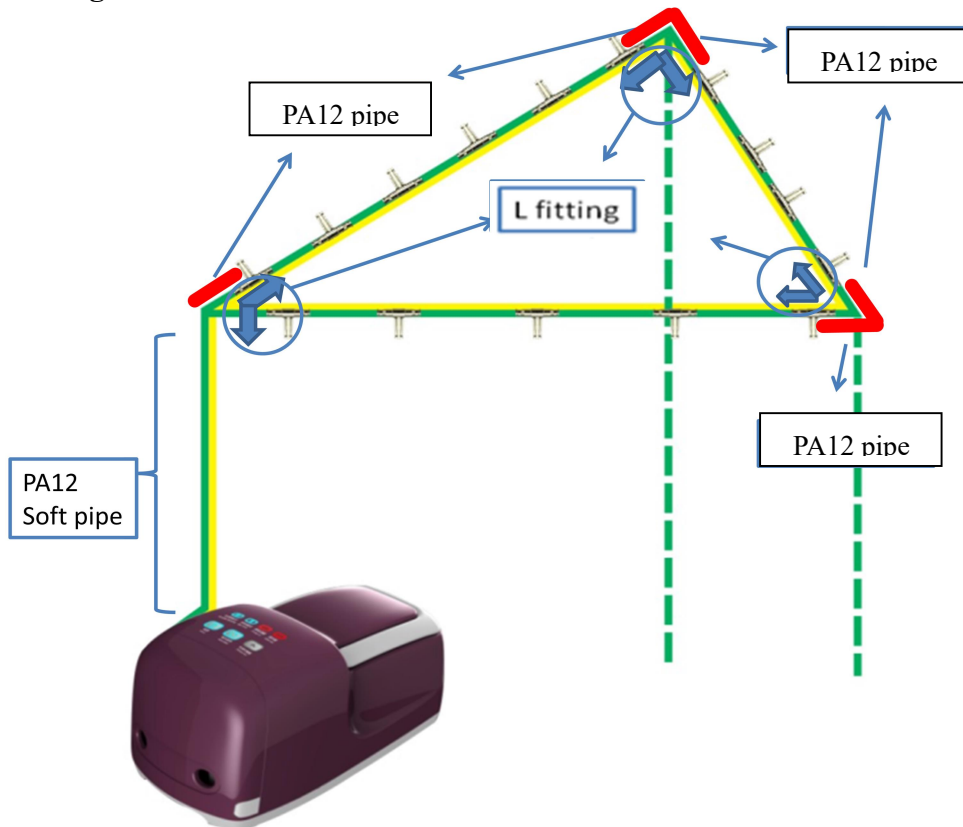
**Warning:**

- 1). The connection pipe to the main machine must be soft to avoid any shaking, while the left pipe can use PA, PE or SS pipe as customer want.
- 2). Maybe the L type, Tee type fitting is required according to your lay out design (customer have to design by himself).
- 3). The Nozzle quantity should less than the Max quantity suggestion.

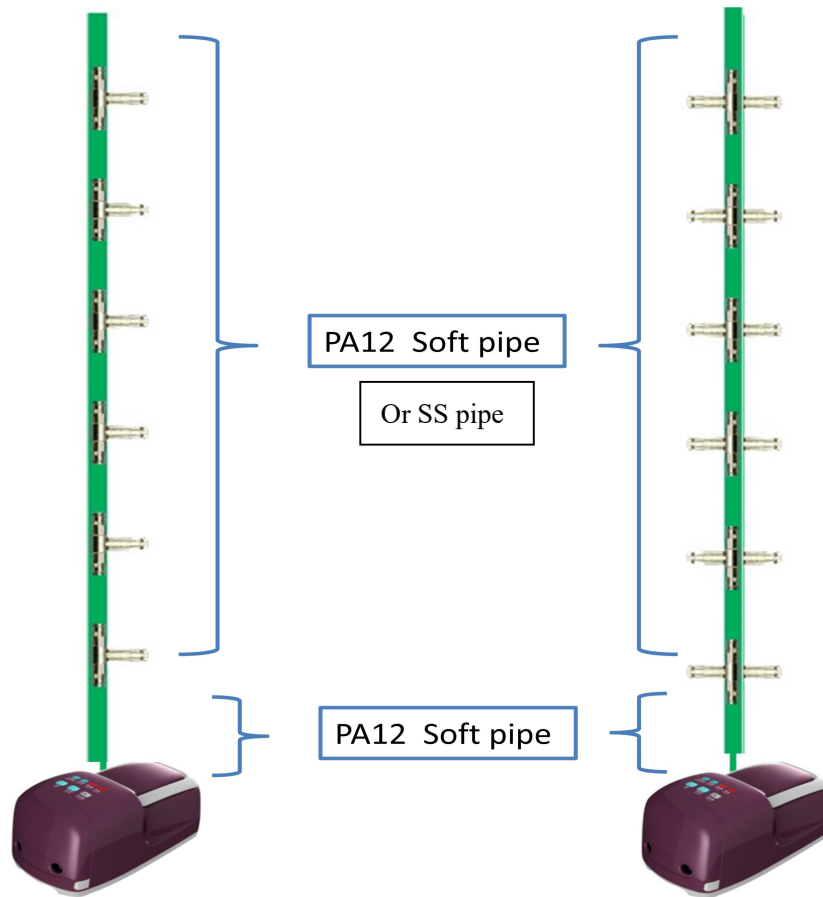
**Layout example: Type A: Square & rectangle area**



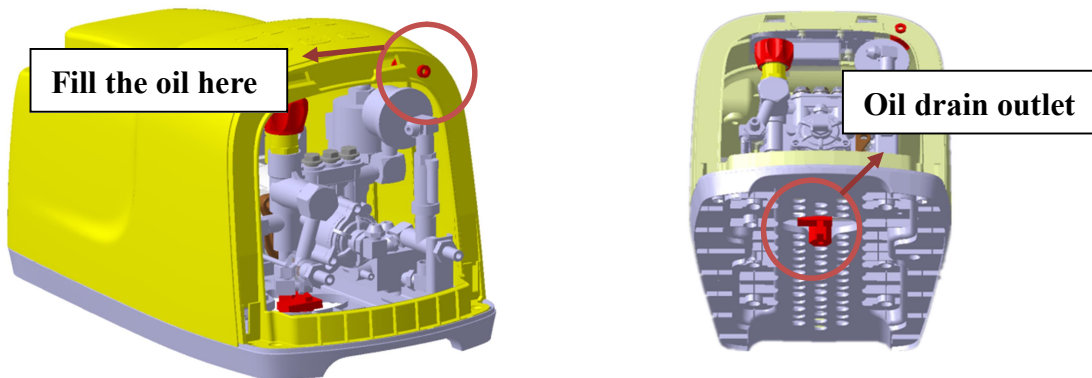
**Type B: Triangle area**



**Type C: Straight area**



**Step 3: Fill 40ml pump oil by syringe (5W-30 car engine oil for hot weather).**



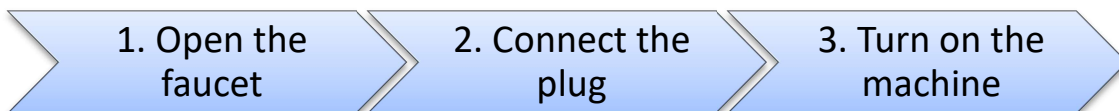
**Step 4: Connector the inlet pipe to the faucet & machine. Push the air out of the pump for 10~15 seconds**

**Step 5: Connector the inlet & outlet pipe to the machine.**



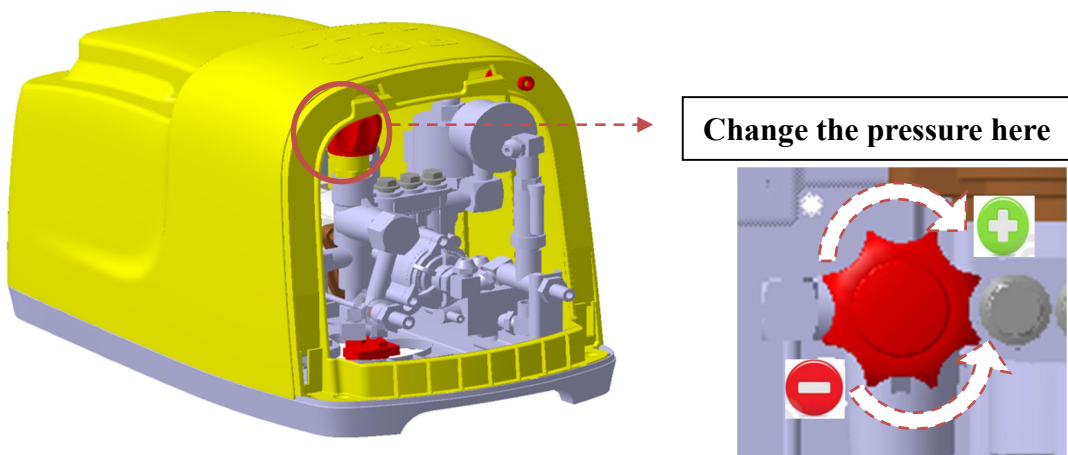


**Step 6: Make the machine working.**



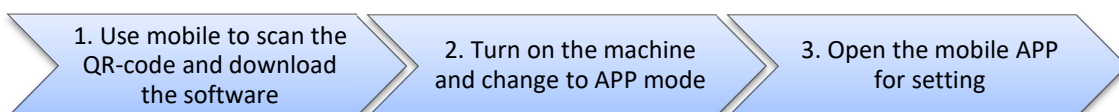
The faucet just open 1/3~1/2, Please don't open to max, because the machine just need a little water

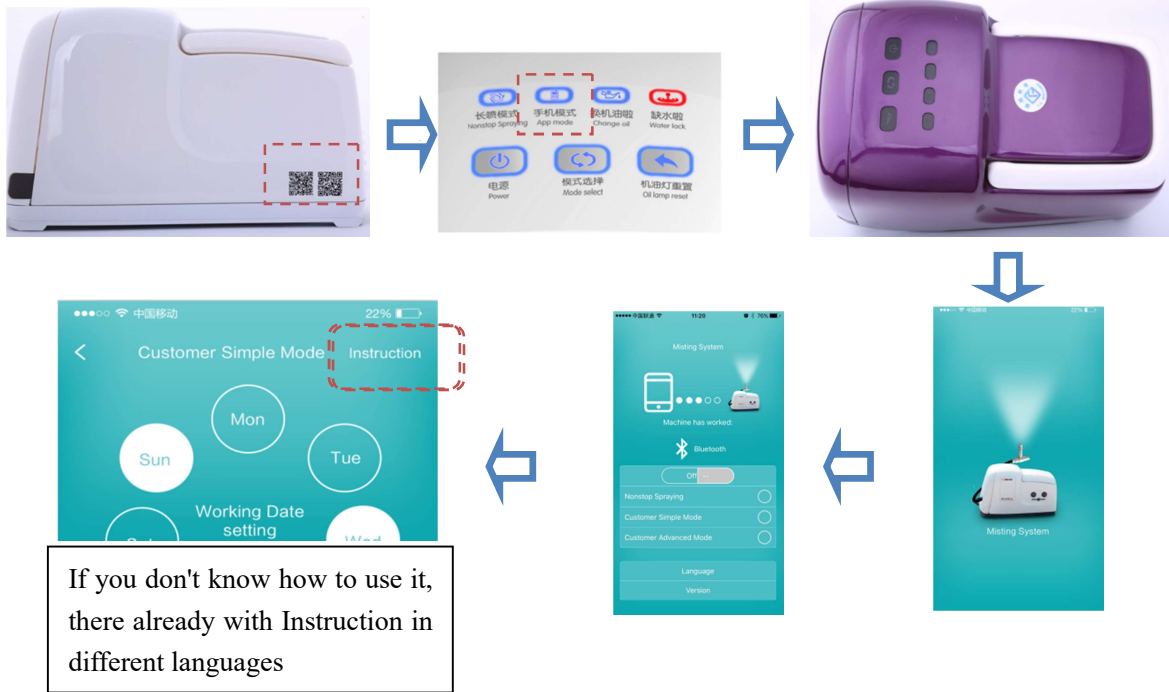
**Step 7: Set the machine working pressure (Usually no need adjustment, the machine already done by the factory).**



Please adjust the pressure regulating valve, and make the machine working pressure between 4Mpa to 7Mpa (The best working is at 5Mpa to 6Mpa)

**Step 8: APP operation system as optional.**





**Step 9:** Other touch key setting:



1. **Power:** Shining when machine is not working and lamp on when machine is working;
2. **Mode select:** Choose machine working mode between "Nonstop Spraying" & "App Mode" 2 modes;
3. **Oil lamp reset:** After every 300 hours, the "change oil" lamp will automatically on, please change the oil and then touch this key for 5 seconds, the lamp will off;
4. **Nonstop Spraying:** Means machine will spray without any stop for 24 hours;
5. **App Mode:** Only when you choose this mode, the machine will follow your current mobile setting;
6. **Change oil:** This lamp will automatically on after running 300 hours, it remind you to change the pump oil, the lamp will off after you touch the "oil lamp reset" for 5 seconds;
7. **Water lack:** Means the water is off. The machine will automatically stop.

# Daily maintains manual

In order to having the best performance of this product and longest usage life, the user has to follow the following daily maintenance procedure:

- ❑ **Maintenance plan every week (Mainly depend on the local water situation)**
  - Check the water whether is clean or not (every day);
  - Check the block of the nozzles situation(every 3 days);
  - Check the water filter filtering situation(every week);
  - Check the pipe seal & leakage(every week);
  - After running the first 20 hours, change the machine pump oil (Car engine oil 5W-30 for hot weather).
- ❑ **Running after 100 hours (first formal maintenance)**
  - Clean and wash the water filter;
  - Take out the High pressure pipe connection, open the faucet valve, and let the faucet water wash the inside of the pump;
  - Check the pump working pressure;
  - Change the bad nozzles;
  - Modified or change the bad quick fitting & PA pipe;
  - Clean the machine ABS cover with non-corrosive safety solvent to protect the cover painting;
  - Change the pump oil (standard: 5W-30);
- ❑ **Running after each 1500 hours**
  - Change the water filter if it's not able to clean again;
  - Check the pressure valve;
  - Check whether the electrical terminals is tight;
  - Check whether the main bolts, nuts connectors is tight;
  - Check the safety device;
  - Change the water seal & O-ring;

# General Faults Judgment

The faults description	Judgment
<b>Machine can't start</b>	1、 Check whether the electricity protector is cut the power off, Please press the big bottom on the electricity protector for reset;
<b>Can't self priming or the pump pressure is lower than 40Bar (4Mpa)</b>	1、 Some air is inside of the pump, need to take out the outlet pipe and let the machine working for few seconds, or even use faucet to push the air out of the pump 3、 The water filter or the inlet pipe fitting is blocked; 3、 The water and inlet pipe height different is over 0.5 meter; 4、 The seal of the pump has problem and need to change the seal parts;
<b>Misting system don't have mist</b>	1、 The pressure is too low, need to adjust the pressure valve or reduce the nozzles quantity; 2、 Some connectors are leaking (Solution: check the leaking place, change the parts or repair); 3、 The water filter is blocked and need to be cleaned; 4、 The seal of the pump is bad and need to change; 5、 The spring of one-way valve is fatigability breakage and need to change a new one;
<b>Some of the nozzles can't spray the mist</b>	The nozzles is blocked and need to clean or change a new one
<b>The APP is not working correctly</b>	1、 Please close the APP completely and open it again ; 2、 Please check whether the mobile or the mobile system is too old;
<b>The noise is loud and the machine is shaking when working or vibrate heavily</b>	1、 Put the outlet pipe and push the air out of the pump; 2、 The pump has some problem and need repair;
<b>The pump or motor temperature is very high</b>	1、 The pump oil is not enough or not suitable; 2、 The motor is over work, please reduce the pressure;
<b>The pump and connectors has oil leakage</b>	1、 Change the oil seal; 2、 The nuts is not tight enough;

# Warranty Card

**The followings are out of the warranty but can offer the service with cost:**

1. Out of the warranty time;
2. Due to user's delivery, assembly, knock down and other behavior not according to this user manual;
3. Consumption goods as nozzles, pipes, engine oil, quick fitting and water filter;
4. User use dirty water and voltage over 240V;
5. Others out of this user manual defined requirements;
6. Warranty card or commercial invoice is missed, has hand modification or unclear;
7. Other faults even not because of product quality problem;
8. Warranty is for quantity order (more than 20 sets) from the producer to the dealer & 1 year since B/L data, while dealer must offer warranty to the end user even sales as retail;

## Warranty processing:

Please contact us at [contact@efydis.fr](mailto:contact@efydis.fr) or at +33 951 634 467

## How to download the APP mobile software?

- 1 Search : "Fog machine" or "Misting system" from Google store (Android phone) or Apple Store (Iphone)
- 2 Scan the following QR code (or from machine name plate) and install the software

### For Android system



### For IOS system



## APP operation process:

- ① Connect machine to electricity & change to APP mode(You can turn on/off machine as you like)
- ② Open mobile Bluetooth(No need any scan and any connection),
- ③
- ④

⑤



⑥

- ⑦ Open the APP, press the Bluetooth photo, choose right machine (FG0XXXX) at Bluetooth & do the set. No need any password.

Attentions:

1. You have to use the advanced mobile phone, the old or cheap type may not able for the connection and not stable. The better phone, the higher speed of connection and the more stable.
2. One machine only can connect with one phone, if customer need to connect to the other phone, the previous phone connection must be disconnected first.
3. If the phone can't find the machine code, please try the above **"APP operation process"** again.