

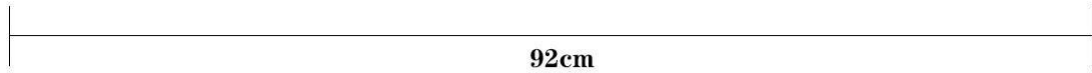
M5 Intelligent fogging machine



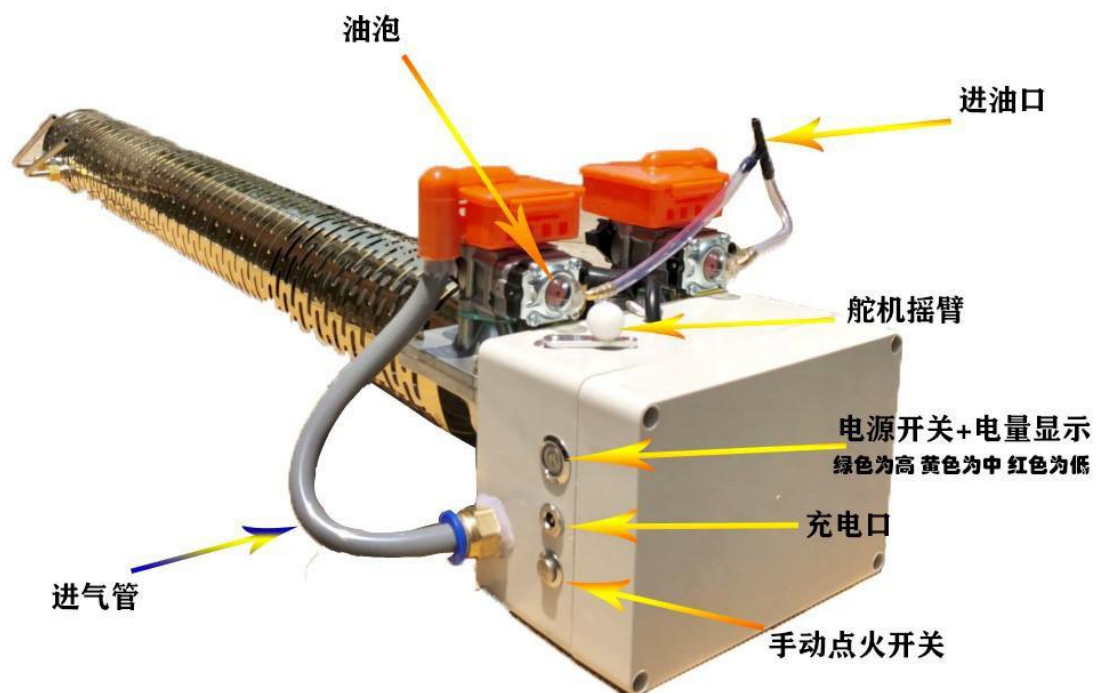
Product instructions

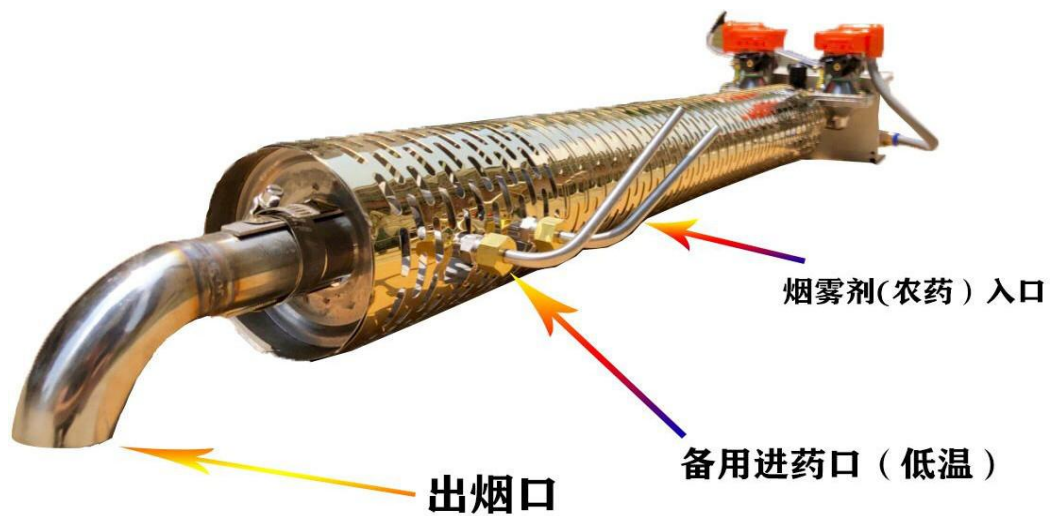
Hello, thank you for using our products!

M5 Appearance and dimension of Intelligent fogging machine:



机身尺寸 (cm) : 92*16*15
Body weight:2700g Body dimension:92*16*15





出药口: Drug delivery tube 进药口: Injection tube 进气管: Intake pipe 油泡: Oil vacuole 进油口: Inlet tube 舵机摇臂: Steering gear rocker 电源开关: Power switch 电量指示灯: Power indicator light 绿色为高, green for high 黄色为中, yellow for medium 红色为低: red for low 充电口: charging port: 手动点火开关: manual ignition switch:

Introduction of installation and usage of M5 intelligent fogging machine:

I.Principles of work:

When M 5 intelligent fogging machine works, the high temperature and high pressure airflow produced by the pulse jet engine is ejected from the nozzle outlet at high speed. After opening the valve, the pressure in the medicine box will press the liquid into the burst tube, mixed with high temperature and high speed airflow. In the instant of meeting, the liquid was crushed and atomized into a smoky spray from the nozzle and quickly diffused. (It's not the high-temperature solution that heats up the liquid, which produces fumes from the steam.in this case, High-temperature heating can damage the efficacy. Exactly, it is the liquid into the machine after a few seconds to eject, just like the bullet firing principle. The gunpowder in the shell exploded violently, beating the bullet out in an instant, without losing its efficacy) The atomization effect of the liquid is good, which has strong penetration, particles less than 50 microns. There was a wide spread of smog surrounding crops and places ,360 degrees without dead angle, the drug is directly in contact with the pest bacteria. Give full play to its efficacy The pest control rate is very high. It plays the best effect of all-round sterilization and insect control. The particles of

the drug are small, so they float in the air for a long time, so that the drug has the dual effects of fumigation and disinfection. It is an ideal product for agricultural spraying pesticides, health and epidemic prevention, forest epidemic prevention, disinfection and sterilization.

II. Installation instructions:

1. M 5 Intelligent fogging machine comes with its own customized 18650 power supply and remote control system, no need to take electricity and signal from the aircraft. It does not interfere with the aircraft G P S. An aircraft only need to supply medicine to the machine, In the real sense, it is a Non-destructive installation.

When fixing M 5 Intelligent fogging machine to the UAV frame, please determine the center of gravity of the machine. Body and fuel tank fixed firmly according to the principle of the center of gravity collocation and easy installation. When the machine works, the chamber will produce high temperatures and the body's shell is heated, so please consider the distance between the body and the aircraft, especially the medicine box, water pipe, water pump and other parts that are easily damaged by ironing.

2. The part of contact surface of UVA and M 5 Intelligent fogging machine can be isolated by using insulated asbestos sheets. Distribute

the center of gravity and fix to the rack(No need support type). The actual installation method can be adapted according to the actual model of the company

3. Install Injection tube: Injection tube is a 90 degree curved fine stainless steel tube. Fix to the copper Injection nozzle on the body and tight it up. Insert the other end of the hose into the medicine outlet of the drug pump on the original aircraft.

4. Install tank line : There are three way bands and two pieces of fine tank tubes. Insert the tubes on the tank into the fine copper inlet nozzle in the middle of carburetor .(Petrol is recommended for pure gasoline above 92#. Self-purchase a tank according to the loading capacity of aircraft . One 2.5 litre fuel tank attached

III. Methods of use of machines:

1. Each machine has a start-up test before it is shipped, so it is a normal phenomenon that there might be some grease and gas on the body.

2. Start: Ensure the oil flow and the battery has electricity firstly. Let machine with oil and electricity ,Squeeze the two bubbles behind the carburetor by hand, and inhale two-thirds of the gas to keep the tubing free of bubbles. Per oil vacuole averagely is pressed about 3-5 times and then on the left (i.e. the oil bubbles on the steering

gear) Press the remote start button (It will be slow at the beginning, press the oil vacuole above the steering gear lightly when the remote control is started) The machine starts normally in 2-5 seconds. If the machine has not start for 2-5 second in the air ,please release the ignition key and press the turn-off key .(The rudder will squeeze the oil vacuole once and supply it to the oil chamber.) Press the ignition key to start again.

3. Turn off: press turn off key once. (Do not press more.)

4. Remote control frequency: while holding down the manual ignition key and power key, the indicator lights will be green flashing, press remote-controlled ignition key and off key to complete the frequency.

5. Machine work:

(1) Adjust the size of the throttle (The screw with a spring on both sides of the carburetor adjust power and twist clockwise to the end, which is to close oil-way. Back off counterclockwise 3 cycles and power achieved effective atomization with about 1 liter per minute.) equal to a large amount of supply machine throttle is required to adjust the size of the throttle. Factory status default 800ml-1000ml atomization per minute.

(2) Adjust the quantity of drug delivery in the Aircraft pumps, the specific parameters should be based on the aircraft's own fly, pump brand and power adjustment (The maximum effective atomization of

machine is 1.5 liters per minute.)

6. Work order: Start the water pump firstly , shut off the equipment finally .

Activation Precautions and Troubleshooting

I. Failure to fire:

1. Check the oil-way (or poor gasoline quality)
2. Check the circuit: Firstly remove the spark plug and clear carbon .Secondly, check if you hear zizi in the spark plug. Thirdly, If there is a sound, it's normal. If there is no sound, check voltage. If voltage is normal ,change spark plug or high voltage package.
3. If the oil-way and circuit are normal, please replace intermediate diaphragm in the carburetor . (Attach Toolkit)

II.Replacement of diaphragm



The elastic diaphragm is located under the four screws of the carburetor assembly. When the four screws are removed, you will see the right side of the diaphragm assembly. Open the middle of the screw, you can see a thin diaphragm. After the diaphragm is damaged, the smoke machine cannot start, and the damaged diaphragm needs

to be replaced.

Security considerations:

1. The body of machine has high temperature, so please be away from it. Don't touch it to avoid scald.
2. Try to start after takeoff, turn off the fire before landing.
3. Do not fall down if there is dry object on the ground.
4. Do not touch gasoline on the box, it is easy to corrode materials, If it exposed to corrosive material, please wipe as soon as possible