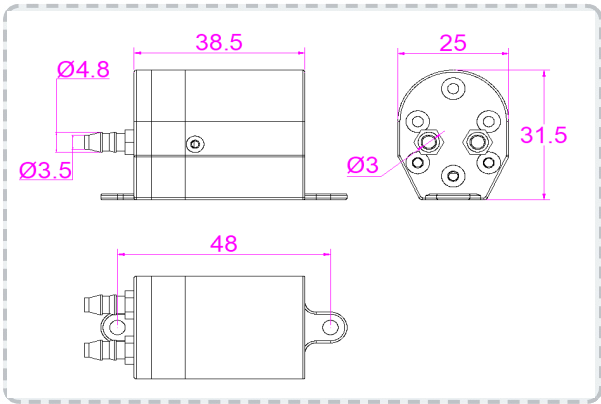


Product Overview

The JP Smoke Pump is a high-performance, brushless motor-driven smoke pump designed specifically for RC aircraft and vehicles. With its precise flow control and efficient design, it delivers reliable smoke output for enhanced visual effects during flight and operation.



Specifications

Product Name	JP Smoke Pump
Motor Type	Brushless Motor
Rated Voltage	7.4-8.4V (2S LiPo Battery)
Operating Current	5.5A
Maximum Flow Rate	2S: 1200ml/min 3S: 1500ml/min
Flow Control	Adjustable via rotary knob switch
Weight	75.8g

Output Nozzle	3.0mm connector

Dimensions

Key Measurements

Overall Length:	48mm
Body Diameter (Ø1):	38.5mm
Mounting Hole Diameter (Ø2):	4.8mm
Vent Hole Diameter (Ø3):	3.5mm
Mounting Distance 1:	25mm
Mounting Distance 2:	31.5mm
Output Port Diameter (Ø4):	3.0mm

Installation & Operation

Connection Guide

1. Connect the pump to a 2S LiPo battery (7.4-8.4V) using appropriate gauge wires.
2. Connect the smoke fluid container to the input port using compatible tubing.
3. Attach the output nozzle (3.0mm) to your smoke system using the provided connector.
4. Secure the pump to your RC model using the mounting holes (Ø4.8mm).

Flow Control Adjustment

The JP Smoke Pump features a rotary knob for precise flow control. Turn clockwise to

increase smoke output and counterclockwise to decrease. For optimal performance, start with minimum flow and gradually increase until desired smoke density is achieved.



Important Safety Notice: Always use smoke fluid specifically designed for RC applications. Never operate the pump without fluid as this may damage the internal components. Ensure all connections are secure before operation to prevent leaks.

Performance Characteristics

Efficient Brushless Design

The brushless motor provides higher efficiency, longer lifespan, and more consistent performance compared to brushed motors. It generates less heat and allows for precise speed control.

Adjustable Flow Rate

With a maximum flow of 1200ml/min on 2S and 1500ml/min on 3S, the pump can be adjusted to create anything from subtle smoke trails to dense smoke clouds.

Lightweight Construction

Weighing only 75.8g, the pump adds minimal weight to your RC model, ensuring flight characteristics remain largely unaffected.

Maintenance

1. After each use, flush the pump with clean smoke fluid or recommended cleaning solution.
2. Periodically inspect all connections and tubing for wear or damage.

3. Store the pump in a cool, dry place when not in use.
4. Avoid running the pump dry as this can cause premature wear on internal components.