



玄云动力
SWIWIN TURBINE

SWIWIN SW400Pro-K

Technical specifications





SWIWIN SW400Pro-K List of engine accessories

Serial number	Name	Picture specification	Quantity
1	Engine		one
2	ECU (V4)		one
3	GSU		one
4	Fixture		one
5	Power cable		one
6	Signal cable		one
7	Switch valve		one



8	FESTO filter		one
9	Tubing	 $\Phi 4 \times \Phi 2.5\text{mm}$ $\Phi 6 \times \Phi 4\text{mm}$	1.5m

Technical parameter

Model	SW400Pro-K
Thrust	40kg
Diameter	148mm
Length	341mm
Engine weight	3240g
ECU weight	450g
Total weight (including accessories)	4245g
Usage temperature	-40℃~50℃
Supply voltage	4S Lipo battery
Starting system	One-button electronic start
Rpm Range	35000-97000
Exhaust Temperature	750℃
Fuel Consumption	1000g/min
Fuel	kerosene
Lube oil	3%~5%
Maintenance Interval	25H
Start time	≤30s



Engine start parameters

Pump Voltage	1.6V
RPM Start Up Ramp	80%
Pump Start Up Ramp	8
Glow Plug	5-7V
Valve	40
Ignition RPM	3000
Preheat RPM	8000
RPM Off Starter	23000

Engine operating parameters

RPM ACC	40
RPM DEC	40
Max RPM	97000
Idle RPM	35000
Minimum speed	23000
Max Temp	1000
Low Volt	10V
Restart	close
Restart Glow Plug	Consistent with the voltage of the burner
Pump Limit	15V

Engine cooling parameters

Cool	4000rpm
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Starting motor parameters

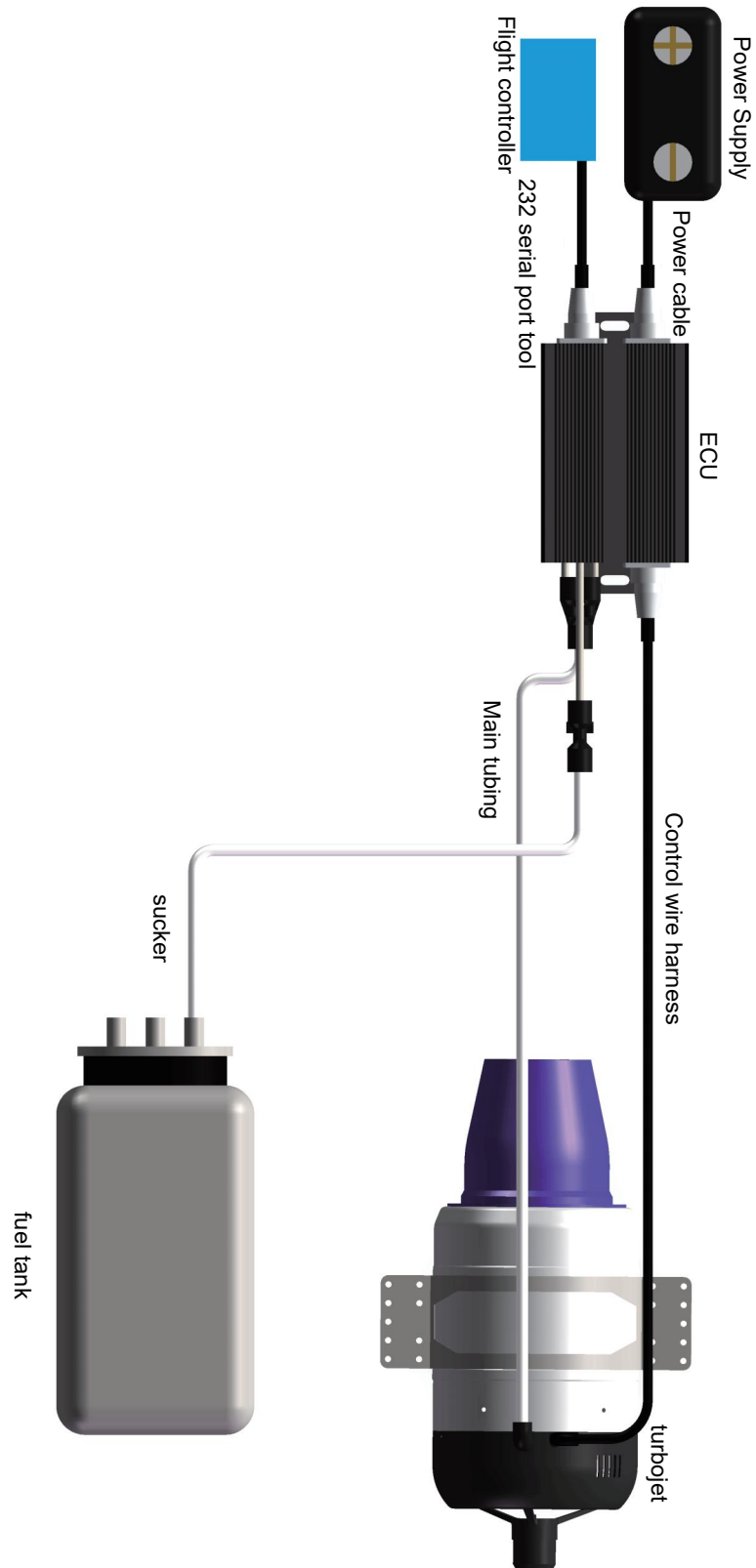
Pop-up time	0.4S
Ejection voltage	4V
Run Voltage	5V

Note: All data are measured at standard air pressure.

When the ambient temperature is too high or the oxygen content in the air is low, too fast acceleration and deceleration will easily lead to flameout failure.

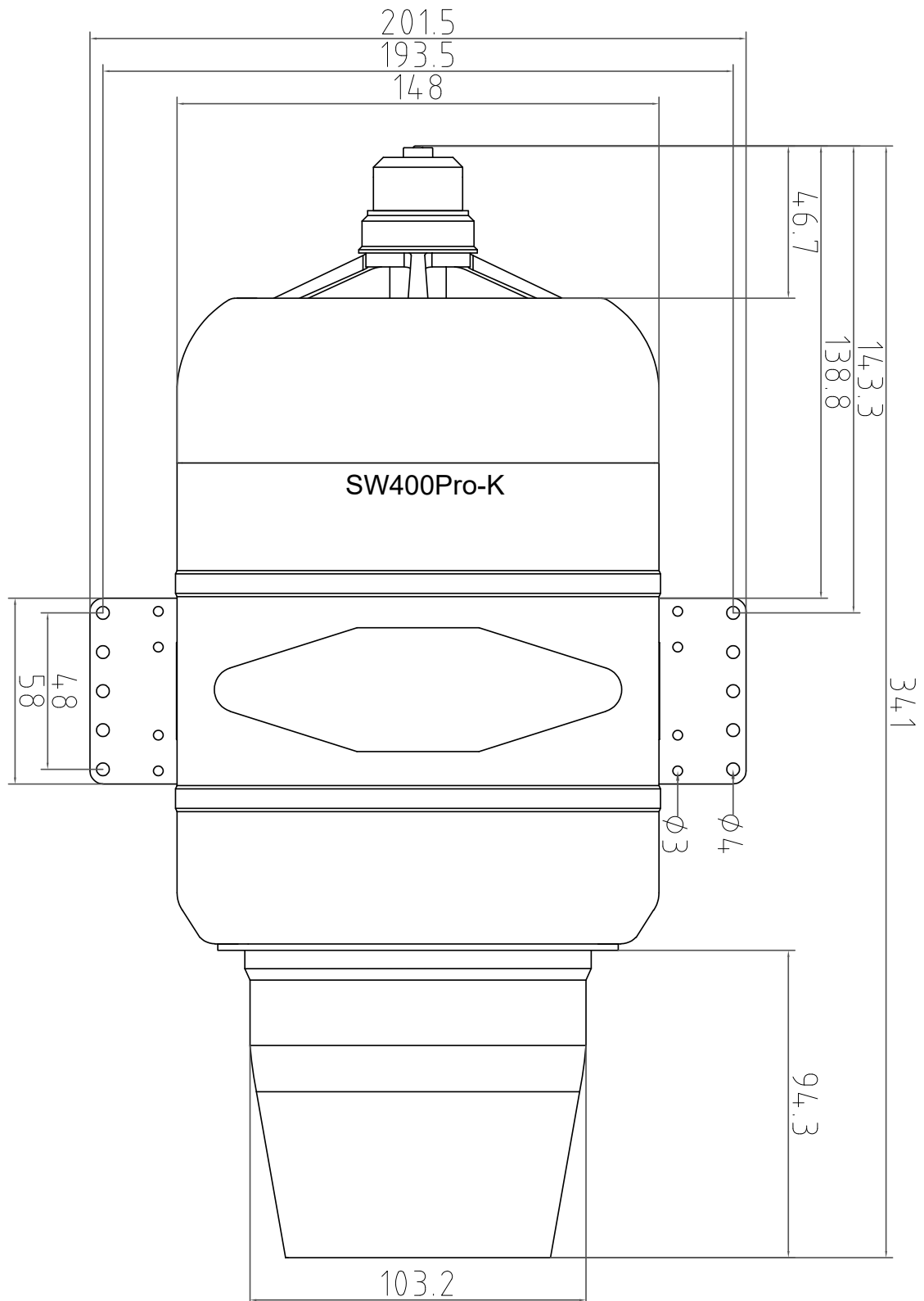


System connection diagram





Product dimension diagram



Disclaimer

This product is limited to use in entertainment and civil fields such as aerial model toy flying, competitions, performances, firefighting, road drying and cleaning.

Please strictly follow the provisions of the Export Control Law of People's Republic of China (PRC). It is strictly forbidden to modify the product for illegal use. It is strictly prohibited to resell the product to the export restriction country under the law in china.

Otherwise, all consequences will be at your own risk.