

Smoke Purifier

User Manual



1. Product Description

D series smog purifiers are specially designed for the purification of smog produced by laser marking and engraving. They not only solve the environmental pollution of dust and harmful gas in the laser process but also solve the pollution to the laser equipment itself.

D series smog purifiers adopt international advanced electromechanical control mode and efficient filtration system. They are also equipped with a high pressure fan which can absorb smog particles and maximize the service life of the filter element. The filter system consists of two parts: the prefilter and the main filter, and the prefilter can adsorb large particles in the airflow to avoid premature blockage of the main filter. The main filter consists of HEPA efficient filter element and chemical filter element, the filtration efficiency of HEPA efficient filter element for 0.3 μ m particles is 99.97%, and the chemical filter element can effectively remove harmful gases in the air flow. The clean air purified treatment can be directly released in the room and donot need discharge to outdoor through external pipeline.

2. Technical Parameter

Model	D200	D360	D550
Outline Dimension (wide*thickness*height)	405×285×450mm	400×390×500mm	410×380×1010mm
Weight	20kg	27kg	60kg
Maximum Flow	320m³/h	450m³/h	500m³/h
Power	200W	350W	500W
Voltage	220V/50HZ	220V/50HZ	220V/50HZ
Noise Level	65db	70db	75db
Filter Efficiency	0.3 μ m 99.97%	0.3 μ m 99.97%	0.3 μ m 99.97%
Protection Grade	IP54	IP54	IP54
Operation Language	Chinese	Chinese	Chinese
Control Method	Konb Operation	Konb Operation	Konb Operation

3. Configuration List

Name	Quantity	Notes
Smog Purifier Host	1pcs	
Prefilter	1pcs	It mainly adsorbs large particles in the airflow. As the primary effect filter layer and medium affect filter layer, its filter efficiency is higher than that of traditional primary filter.
Main Filter	1pcs	It is mainly composed of HEPA efficient filter element and chemical filter element, the filtration efficiency of HEPA efficient filter element for 0.3 μ m particles is 99.97%, and the chemical filter element can effectively remove harmful gases in the air flow.
External Power Line	1pcs	3-5m
Bamboo Smoking Tube	1pcs	Caliber ϕ 75mm 1.4m
Smog Collecting Hood	1pcs	ϕ 75mm interface
Instructions & Warranty	1pcs	

4. Working Environment Requirements

- 1) The Equipment must be grounded strictly.
- 2) The Equipment is prohibited from starting if the voltage is unstable, and the stabilizer must be used if necessary.
- 3) The Equipment is strictly prohibited in high temperature, high humidity,

flammable and explosive and strong magnetic environment.

5. Installation instructions

- 1) Please select the appropriate station to place the equipment, and then lock Equipment's casters.
- 2) Please make the smoking tube into flange of the air intake, and the other end is connected with the smog collecting hood; turn the tube body to adjust well the smoking outlet faced the working point according to usage situations. The distance of them is within 15cm as possible.
- 3) Please make the power line into the power filter socket which is on the back of the equipment, and make other end plug into the well-grounded power socket which is matched the equipment's voltage and frequency, and confirm that the power plug is secure.

6. Warranty Card

Model Number		Production Date	
Complete Machine Number		Main Filter Number	
Control Board Number		Fan Number	
User Name			
User Address			
Telephone		Zip Code	
Purchase Date			
Maintenance List	Maintenance Time	Maintenance Record	Maintenance Engineer