

印刷制作说明 (非印刷页)

叶子类目	充气式喷漆房	叶子类目	充气式喷漆房
厂家型号	BQTCQYDPQFBK04L	厂家型号	BQTCQYDPQFBK07L
子 SKU	CQSPQF13109FM3WJA001V1	子 SKU	CQSPQFWGJF23ZIQT3001V1
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厂家型号	BQTCQYDPQFBK04L	厂家型号	BQTCQYDPQFBK08L
子 SKU	CQSPQF13109FM3WJA001Y2	子 SKU	CQSPQFWGJF26XKKYE001V2
厂家型号	BQTCQYDPQFBK04H	厂家型号	BQTCQYDPQFBK10L
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厂家型号	BQTCQYDPQFBK04H	厂家型号	BQTCQYDPQFBK10L
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厂家型号	BQTCQYDPQFBK06L	厂家型号	BQTCQYDPQFBK12H
子 SKU	CQSPQFYGJF20NYN0P001V2	子 SKU	CQSPQFYGJF39ICLZI001V1
厂家型号	BQTCQYDPQFBK06L	厂家型号	BQTCQYDPQFBK12H
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子 SKU	CQSPQF108585O6T54001V1	子 SKU	CQSPQF108585O6T54001V2
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子 SKU	CQSPQF332013DWJNH001V2	子 SKU	CQSPQF332013DWJNH001V3
厂家型号	12X5X4m	厂家型号	12X5X4m
子 SKU	CQSPQF1254MLURRX0001V1	子 SKU	CQSPQF1254MLURRX0001V2



Upgrade · The Home Creator Way

SPRAY PAINT BOOTH

VEVOR Support Center

1	BQTCQYDPQFBK04H (US)		2	BQTCQYDPQFBK04H (EU)	
3	BQTCQYDPQFBK04LF (US)		4	BQTCQYDPQFBK04LF (EU)	
5	BQTCQYDPQFBK04L (AU)		6	BQTCQYDPQFBK04L (US)	
7	BQTCQYDPQFBK04L (EU)		8	BQTCQYDPQFBK04L (UK)	
9	BQTCQYDPQFBK06L (US)		10	BQTCQYDPQFBK06L (EU)	
11	BQTCQYDPQFBK06L (UK)		12	BQTCQYDPQFBK07L (US)	
13	BQTCQYDPQFBK07L (EU)		14	BQTCQYDPQFBK08L (US)	
15	BQTCQYDPQFBK08L (EU)		16	BQTCQYDPQFBK10L (AU)	

17	BQTCQYDPQFBK10L (US)		18	BQTCQYDPQFBK10L (EU)	
19	BQTCQYDPQFBK12H (US)		20	BQTCQYDPQFBK12H (EU)	
21	BQTCQYDPQFBK12L (US)		22	BQTCQYDPQFBK12L (EU)	
23	3X2.6X2.6m (US)		24	3X2.6X2.6m (EU)	
25	3X2.6X2.6m (AU)		26	10X6X4m (US)	
27	10X6X4m (EU)		28	10X6X4m (AU)	
29	12X5X4m (US)		30	12X5X4m (EU)	

MODEL:BQTCQYDPQFBK04L/BQTCQYDPQFBK04H/BQTCQYDPQFBK04LF/
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m/12X5X4m

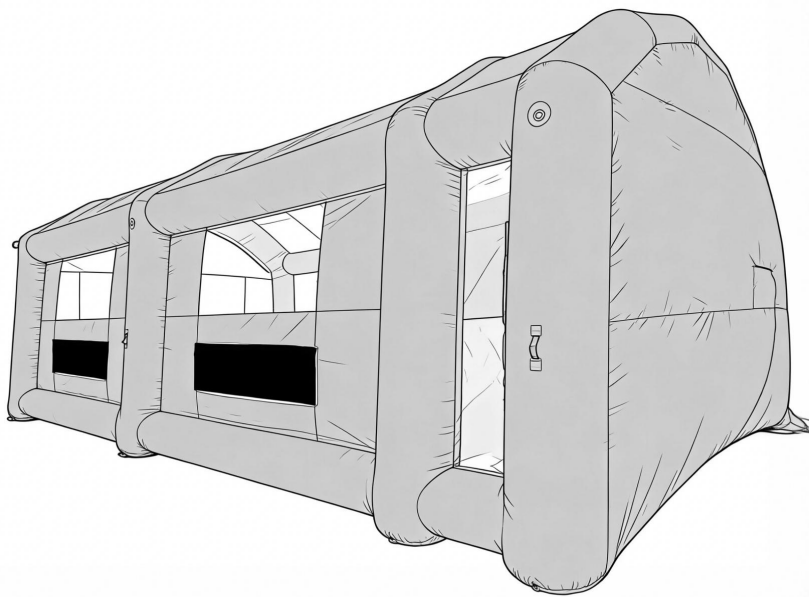


Photo for reference

This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

1.Safe Instructions



WARNING:

- 1.Keep away from sharp points, blades and other items, and when fully opening the product, do not drag it on rough surfaces, so as not to scratch or tear the product.
- 2.Keep away from fire sources.
- 3.Regularly replace the ventilation cotton to avoid blockage and poor ventilation. Please refer to the link in the manual or contact customer service for the purchase link.
- 4.Leakage of water and air from the needle seam is a normal phenomenon
- 5.Please zip up the exhaust port before inflating.During the inflation process, straighten out the tent and help it stand up with your hands.The blower needs to be kept running and installation requires 2 to 4 people to assist.
- 6.Please check and keep the interior dust-free before painting.Excessive painting must increase the exhaust fan for ventilation.The air inside the tent is scarce, so good ventilation must be ensured when painting inside the tent.
- 7.Do not use it outdoors in bad weather:thunderstorms,rain,wind and snow.When using it outdoors,please use ground stakes to fix it.
- 8.FIRE SAFETY:If the tent suddenly collapses, pull the zipper to escape from the front or rear door exit of the tent in time



CAUTION: Carefully read instructions and procedures for safe operations.

2.Intended Use

This inflatable portable spray booth (hereinafter referred to as "the Product") is specifically designed for professional surface painting of small to medium-sized workpieces by individual users, applicable to painting and touch-up operations of workpieces such as motorcycles, auto parts, furniture, metal components, and plastic products. It is strictly prohibited to place workpieces exceeding the model-specific dimensions to avoid blocking the ventilation channels and compromising safety performance.

Usage Restrictions:

- Not suitable for high-temperature curing processes (operating ambient temperature $> 40^{\circ}\text{C}$, which may drastically increase the volatility of flammable vapors);
- Prohibited to use highly corrosive, oxidizing, or explosive coatings (e.g., nitrocellulose-based coatings with volatile solvent content $> 70\%$, which may easily cause excessive concentration);
- Prohibited for outdoor use in extreme weather conditions (heavy rain, strong winds $\geq$ Level 5 / 10.8-13.8 m/s) to prevent damage to the inflatable membrane or airflow disturbance;
- Limited to non-industrial batch use by individuals; commercial large-scale spraying operations are prohibited (exceeding the design load of the ventilation system).

3.Operator Training Requirements

Individual users must complete systematic training and pass the "Self-Practical Assessment" before using the Product to ensure they have the ability to operate it safely. Specific requirements are as follows:

I. Core Training Content

1.Product Cognition and Parameter Mastery

Clarify key parameters of the used model, including dimensions, supporting fan power (e.g., 950W/1100W), inflation time (≤ 3 minutes), and stable airflow establishment time (≤ 1 minute);

Familiarize with the start-up process of the inflation system, the disassembly/installation steps of the hook-and-loop filter cotton, and the location of the electrostatic grounding terminal.

2.Safety Specifications and Risk Identification

Master the core requirements of EN 14462:2015 (ventilation efficiency, flammable substance control) and local fire safety regulations;

Focus on identifying three types of flammable substance concentration excess risks: "coating material modification, application equipment modification, and auxiliary processes (spray gun cleaning)" (see Section 8.3), and understand the risk causes and avoidance methods.

3. Practical Skill Drills

Independently complete the operation of "inflation within 3 minutes + confirmation of stable airflow within 1 minute", and verify that the airflow velocity meets the standard using an anemometer (or manufacturer-provided testing tools);

Practice electrostatic grounding connection (ensuring resistance $\leq 10\Omega$), filter cotton replacement (hook-and-loop adhesion and sealing), and dry powder fire extinguisher use (spraying at the base of the fire);

Simulate the handling procedures for scenarios such as "fan failure", "filter cotton blockage", and "abnormal solvent odor".

4. Personal Protective Equipment (PPE) Usage

Master the correct wearing, tightness inspection, and replacement cycle of equipment such as respirators (EN 149 FFP2 class), anti-static clothing/shoes, and anti-fog goggles (e.g., replacing the respirator cartridge every 8 hours).

II. Assessment Requirements

The following operations must be completed independently and up to standard before formal use:

- Complete inflation within 3 minutes and confirm stable airflow through airflow detection within 1 minute;
- Correctly connect electrostatic grounding, with the tester showing resistance $\leq 10\Omega$;
- Identify and handle 2 types of common faults (e.g., checking the plug/circuit breaker when the fan fails, replacing filter cotton when blocked) and 1 type of concentration excess scenario (e.g., activating emergency ventilation after detecting solvent odor);
- Proficiency in operating dry powder fire extinguishers and clarifying the evacuation route in case of fire. It is recommended to retrain every 12 months to update safety operation knowledge.

4. Emission Limits (Compliant with EN 14462:2015)

4.1 Noise Emission (Classified by Fan Power, Measured 1m from the Fan)

Fan Power	Noise Emission (A-Weighted)	Safety Warning
480W/550W/	≤ 75 dB(A)	Long-term exposure may cause hearing damage;

750W/950W/ 1100W		operators must wear EN 352-class earplugs/earmuffs. It is recommended to rest for 10 minutes every 2 hours to reduce cumulative noise impact. Hearing protection is still required to avoid chronic damage to the auditory system from high-frequency noise
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4.2 Vibration Emission (Tested in Accordance with EN ISO 8041)

- Vibration acceleration of the fan unit: $\leq 2.8 \text{ m/s}^2$ (rms, frequency range 10-1000 Hz) to prevent long-term vibration from loosening air ducts;
- Vibration acceleration of air ducts: $\leq 1.5 \text{ m/s}^2$ (rms, frequency range 10-1000 Hz) to prevent vibration from causing filter cotton sealing failure.

4.3 Hazardous Substance Emission (After Filter Cotton Treatment)

- Volatile Organic Compounds (VOC): $\leq 60 \text{ mg/m}^3$ (measured at the exhaust outlet, compliant with Clause 5.3 of EN 14462:2015 to avoid air pollution and health risks);
- Particulates (PM10/PM2.5): $\leq 15 \text{ mg/m}^3$ (reducing the risk of inhalable dust inhalation);
- Filter cotton efficiency: $\geq 85\%$ for particulates $\geq 10 \text{ }\mu\text{m}$. It is recommended to replace the filter cotton every 50 operating hours or when the pressure difference across the filter cotton exceeds 2 kPa to ensure filtering effectiveness.

5. Specific Operating Conditions

5.1 Environmental Parameter Control

- Operating ambient temperature: $-5^{\circ}\text{C} \sim 40^{\circ}\text{C}$ (temperatures below -5°C may cause cracking of the PVC inflatable membrane; temperatures above 40°C will accelerate solvent volatilization and increase the risk of excessive concentration);
- Surface temperature of fans and electrical components: $\leq 80^{\circ}\text{C}$ (monitored by built-in temperature control components, with automatic shutdown when exceeded to prevent ignition of flammable vapors);
- Humidity requirement: $\leq 85\% \text{ RH}$ (to avoid coating sagging due to high humidity or short circuits of electrical components due to moisture).

5.2 Warning for Explosive Atmospheres

The following scenarios are prone to generating explosive atmospheres (flammable vapor/dust concentration reaching the lower explosive limit) and require key avoidance:

- Using solvent-based coatings (volatile solvent content $> 30\%$) without activating the ventilation system, or when the ventilation volume fails to meet the design value;
- Placing workpieces exceeding the model-specific dimensions, blocking airflow channels;
- Using the Product in enclosed rooms (e.g., garages without additional exhaust) and relying solely on the Product's own ventilation, which cannot discharge accumulated vapors;
- Violating the operations specified in Section 8.3 "Warning for Flammable Substance Concentration Excess" (e.g., unauthorized modification of spray guns, cleaning spray guns inside the booth).

5.3 Access Control and Fire Safety

- Access Restriction: Only operators who have received training and passed the assessment are allowed to enter the spray booth. During operation, children and pets are prohibited from approaching the 3m area around the booth (flammable vapor diffusion zone);

- Fire Safety Configuration:**

- 1.Place one dry powder fire extinguisher ($\geq 2\text{kg}$) within 5m of the spray booth (must be within the validity period, with the pressure gauge pointer in the green zone);
- 2.No flammable debris (e.g., cartons, oil-soaked rags, plastic containers) around the operation area;
- 3.Develop an emergency evacuation route (width $\geq 1.2\text{m}$, free of obstacles) and conduct at least one drill involving spray booth fire scenarios annually.

6. Explosion Protection and Electrostatic Grounding

Requirements

6.1 ATEX Explosion Protection Rating (Suitable for Potentially Explosive Atmospheres)

- Gas explosive atmosphere: Ex II 2G Ex d IIC T4 Gb (suitable for Zone 2, where explosive gases are not present under normal conditions and only exist occasionally for short periods);

- Dust explosive atmosphere (when using powder coatings): Ex II 2D Ex tD A21 IP65 T135°C (suitable for Zone 22, where explosive dust is not present under normal conditions and only exists occasionally for short periods);
- Prohibited Usage Scenarios: Strictly prohibited in Zone 1 (continuous/long-term presence of explosive gases) or Zone 21 (continuous/long-term presence of explosive dust).

6.2 Electrostatic Grounding Requirements (Preventing Electrostatic Discharge from Igniting Vapors)

- Grounding Method: Connect the Product's dedicated grounding terminal to a qualified earth electrode (e.g., metal water pipe, dedicated ground rod, driven at least 0.5m underground) using a multi-strand copper core wire with a cross-sectional area $\geq 2.5 \text{ mm}^2$;
- Grounding Resistance Limit: $\leq 10\Omega$ (measure monthly using a ground resistance tester, with test records retained for at least 2 years. If resistance exceeds the limit, check if the grounding wire is loose or the earth electrode is rusted);
- Operator Electrostatic Protection: Must wear anti-static clothing (surface resistance $10^6 \sim 10^{10} \Omega$) and anti-static shoes (surface resistance $10^6 \sim 10^{10} \Omega$). Prohibited to carry items that easily generate static electricity (e.g., mobile phones, plastic bottles, chemical fiber cloth) into the spray booth;
- Workpiece Grounding: Metal workpieces must be individually grounded using a clamp-on grounding wire (grounding wire specification: $\geq 1.5 \text{ mm}^2$ copper core wire) to prevent electrostatic discharge between the workpiece and the spray gun.

7.Product Introduction

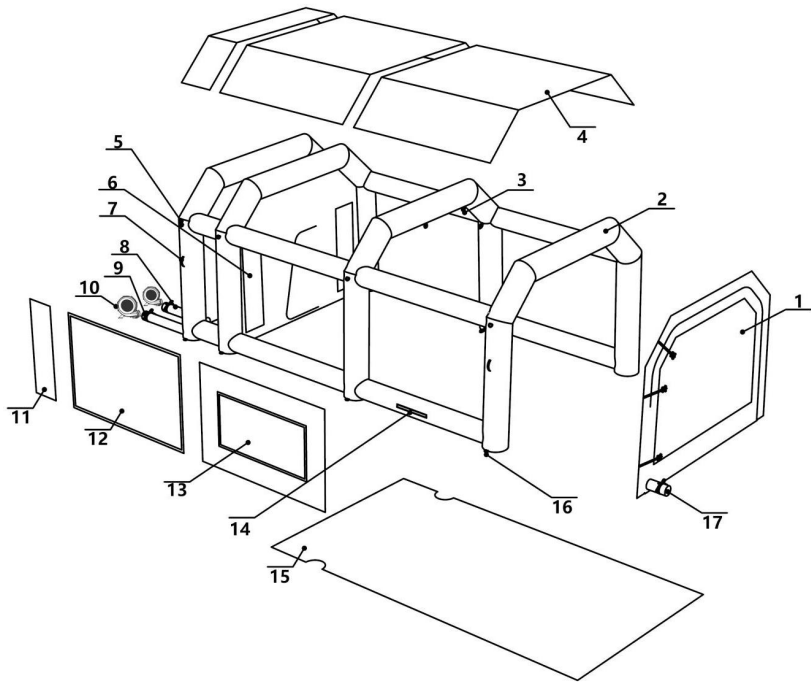
Model	Size	Color	Input voltage	Air blower power
3X2.6X2.6m	3X2.6X2.6m	Blue	120V~ 60Hz (USA) 220-240V~50Hz (EUR/GB/AUS)	550W
BQTCQYDPQFBK04L	4x3x2.75m	Blue	120V~ 60Hz (USA) 220-240V~50Hz (EUR/GB/AUS)	750W
BQTCQYDPQFBK04H	4x3x2.75m	Gray	120V~ 60Hz (USA) 220-240V~ 50Hz (EUR/GB/AUS)	750W
BQTCQYDPQFBK04LF	4x3x2.75m	Blue	120V~ 60Hz (USA) 220-240V~ 50Hz (EUR/GB/AUS)	750W

BQTCQYDPQFBK06L	6x3x2.5m	Blue	120V~ 60Hz (USA) 220-240V~ 50Hz (EUR/GB/AUS)	480W 750W	+
BQTCQYDPQFBK07L	7x4x2.75m	Blue	120V~ 60Hz (USA) 220-240V~ 50Hz (EUR/GB/AUS)	480W 750W	+
BQTCQYDPQFBK08L	8x4.5x3m	Blue	120V~ 60Hz (USA) 220-240V~ 50Hz (EUR/GB/AUS)	750W 950W	+
10X6X4m	10x6x4m	Blue	120V~ 60Hz (USA) 220-240V~ 50Hz (EUR/GB/AUS)	950W 1100W	+
BQTCQYDPQFBK10L	10x6x4m	Blue	120V~ 60Hz (USA) 220-240V~ 50Hz (EUR/GB/AUS)	950W 1100W	+
BQTCQYDPQFBK12L	12x5x4m	Blue	120V~ 60Hz (USA) 220-240V~ 50Hz (EUR/GB/AUS)	950W 1100W	+
BQTCQYDPQFBK12H	12x5x4m	Gray	120V~ 60Hz (USA) 220-240V~ 50Hz (EUR/GB/AUS)	950W 1100W	+
12X5X4m	12x5x4m	Blue	120V~ 60Hz (USA) 220-240V~ 50Hz (EUR/GB/AUS)	950W 1100W	+

8.Package Content

Model Item	BQTCQYDPQFBK04L BQTCQYDPQFBK04H BQTCQYDPQFBK04LF 3X2.6X2.6m	BQTCQYDPQFBK06L BQTCQYDPQFBK07L	BQTCQYDPQFBK08L BQTCQYDPQFBK10L BQTCQYDPQFBK12L BQTCQYDPQFBK12H	10X6X4 m 12X5X4 m
Spray paint booth	1	1	1	1
Air blower	1	2	2	2
Storage bag	1	1	1	1
Sand bags	4	4	6	8
Stakes	4	4	6	6
Ropes	4	4	6	6
Pack of repair patches	1	1	1	1

9.Product Diagram(for reference)



- | | |
|----------------------------|-----------------------------------|
| 1. Front Door | 2. Air Column |
| 3. Light Hook | 4. Ceiling |
| 5. Rope Ring | 6. Activated Carbon Filter Cotton |
| 7. Handle | 8. Ventilating Tube |
| 9. Air Column Filling Tube | 10. Air Blower |
| 11. Transparent Window | 12. Emergency Escape Window |
| 13. Double Filter Cotton | 14. Exhaust Zipper Port |
| 15. Bottom | 16. Metal Ring |
| 17. Power Line Inlet | |

10.Installation Instruction

1. Unfold the tent and spread it out on a clean and level ground. 	2.Zip up both sides of the product. 	3. Tie the rope to the rope ring. 
4. Tie the air tube to the air blower outlet, as shown in the figure. 1 is the ventilation blower; 2 is the inflation blower. 	5. When the tent is inflated, please fasten the tent with stakes at the bottom metal rings. 	6. When the assembly is complete, please tie the windproof rope to the fixed object. 

11.Storage Instruction

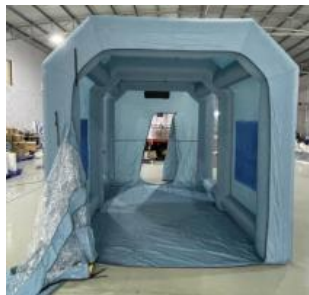
It is recommended to store the product when it is dry to avoid dampness and mildew.

It is recommended to put them in a storage bag and store them in a dry environment.

Keep away from sharp objects to avoiding scratching.

After wet weather, it is recommended to air the tent on sunny days.

1. Unzip and open the front and back doors.



2. Turn off the air blowers and open both exhaust zipper ports.



3. Drain all air and flatten the tent as shown below.



4. Roll up the tent, as shown in the figure



5. Roll up the tent with ropes.



6. Put it into a storage bag and place in dry environment.



12. Direction for Use

1. This product is only a simple temporary booth for painting operations. Do not use it in windy or rainy conditions.
2. This product requires the blower to keep running continuously during operation. Do not cut off the power supply.
3. In case of power failure, please escape through the front door, safety window or back door immediately.
4. In case of emergency, you can cut through the tent with a knife to escape quickly.

- 5.It is recommended to choose flat, clean and open ground to use this product.
- 6.If the tent shakes violently in the wind, please use the windproof ropes and stakes to fix and secure the tent.
- 7.After repeated use, the tent's ventilation performance may decrease. At this time, the inner blue filter cotton can be removed or replaced to improve ventilation.
- 8.If the tent is difficult to inflate, please zip up the front and rear doors, turn on the ventilation blower to inflate the tent, and then turn on the inflation blower to fully inflate the tent.

13.Ventilation and Make-Up Air Requirements

13.1 Core Ventilation Parameters (Accurately Matched to Product Models)

Model	Supporting Fan Power	Minimum Air Change Rate (times /hour)	Minimum Exhaust Flow Rate (m³/h)	Airflow Velocity in Active Area@ 20°C (m/s)	Inflation Time (minutes)	Stable Airflow Establishment Time in Active Area (minutes)	Working Area Size (m)	Maximum Workpiece Size (m)
3X2.6X2.6m	550W	≥ 20	≥253	≥ 0.30	≤ 3	≤ 1	3X1.88X2.24	2x0.88x1.74
BQTCQYDP QFBK04L, BQTCQYDP QFBK04H	750W	≥ 20	≥ 413.6	≥ 0.30	≤ 3	≤ 1	4.0×2.2×2.35	3x1.2x1.85
BQTCQYDP QFBK04LF	750W	≥ 20	≥ 300	≥ 0.30	≤ 3	≤ 1	2.9×2.2×2.35	1.9x1.2x1.85
BQTCQYDP QFBK06L	480W + 750W	≥ 20	≥ 508.2	≥ 0.32	≤ 3	≤ 1	5.0×2.2×2.1	4x1.2x1.6

BQTCQYDP QFBK07L	480W + 750W	≥ 20	≥ 1098	≥ 0.32	≤ 3	≤ 1	7.0×3.1× 2.3	6x2.1x1.8
BQTCQYDP QFBK08L	750W + 950W	≥ 22	≥1836	≥ 0.35	≤ 3	≤ 1	8.0×3.6× 2.55	7x2.6x2.0 5
BQTCQYDP QFBK10L	950W + 1100W	≥ 25	≥ 3529. 2	≥ 0.35	≤ 3	≤ 1	8.65×4.8 ×3.4	7.65x3.8x 2.9
10X6X4m	950W + 1100W	≥ 25	≥ 4165	≥ 0.35	≤ 3	≤ 1	10X4.9X3. 4	9X3.9X2.9
BQTCQYDP QFBK12L, BQTCQYDP QFBK12H	950W + 1100W	≥ 25	≥ 3391. 5	≥ 0.35	≤ 3	≤ 1	10.5×3.8 ×3.4	9.5x2.8x2. 9
12X5X4m	950W + 1100W	≥ 25	≥ 3876	≥ 0.35	≤ 3	≤ 1	12X3.8X3. 4	11X2.8X2. 9

13.2 Make-Up Air Requirements (Ensuring Ventilation Efficiency and Safety)

- Airflow Rate: Must match the fan's exhaust capacity (see the table above for specific values) to avoid negative pressure due to insufficient air supply, which may suck in external dust or flammable vapors;
- Air Temperature: 15°C ~ 35°C (temperatures below 15°C may slow down coating drying; temperatures above 35°C may accelerate solvent volatilization and increase the risk of excessive concentration);
- Air Quality: Make-up air must be fresh air (prohibited to use recirculated air from enclosed spaces such as garages or basements) and free of combustible gases, dust, oil fumes, and other impurities. It is recommended to install a primary filter (filtering particulates ≥ 5 μm) at the make-up air inlet;
- Air Inlet Location: The make-up air inlet must be at least 3m away from the spray booth's exhaust outlet to prevent re-suction of discharged paint mist.

14. Flammable Substance Control

14.1 Prohibitions on Flammable Substance Storage

- Prohibited to store any flammable substances inside the spray booth or within 5m of its surroundings, including but not limited to: solvents such as paint thinners, acetone, gasoline, alcohol, and banana oil; and materials containing flammable components such as alcohol swabs and oil-soaked rags;
- Coating containers (including unused coatings) must be tightly sealed immediately after use and stored in a cool, well-ventilated area (at least 5m away from the spray booth, ambient temperature $\leq 30^{\circ}\text{C}$). Open storage is prohibited; Rags, paper towels, and paintbrushes that have come into contact with flammable substances must be placed in a covered fire-resistant metal container (labeled "Flammable Waste") and disposed of by qualified organizations daily. Mixing with domestic waste is prohibited.

14.2 Control of Flammable Substances Around the Spray Booth

- Keep the 3m area around the spray booth free of combustible materials (e.g., wood, cardboard, plastic boxes, hay). Regularly (after each operation) clean paint mist deposits and residual powder coatings from the ground;
- Use spark-free tools (e.g., plastic scrapers, bamboo brooms) for cleaning. Prohibited to use metal tools for tapping or rubbing to avoid generating electrostatic sparks;
- Prohibited to place flammable and explosive pipelines (e.g., cables, oil pipes) under the spray booth, and prohibited to hang flammable items (e.g., cloth, plastic film) above it.

14.3 Warning for Flammable Substance Concentration Excess (Special Control)

For three core high-risk scenarios, clarify the risky behaviors, causes, and emergency response measures to prevent explosions caused by excessive concentration:

I. Coating Material Modification Scenario

1. High-Risk Behaviors (Strictly Prohibited)

- Unauthorized addition of non-manufacturer-recommended thinners (e.g., using acetone instead of dedicated thinners) to reduce coating viscosity;
- Mixing coatings of different brands or types (e.g., mixing solvent-based and water-based coatings);

- Adding curing agents, leveling agents, or driers in excess of the recommended ratio specified in the coating manual (e.g., 10% actual addition vs. 5% recommended).

2. Principle of Concentration Excess

The solvent volatilization rate of original coatings matches the processing capacity of the Product's ventilation system. Modification will cause a **sudden 20%-30% increase in volatile solvent emission**, exceeding the filtration and discharge capacity of the ventilation system. Flammable vapors accumulate rapidly inside the spray booth, reaching 10%-15% of the lower explosive limit (LEL) in a short time.

3. Safety Warning and Emergency Measures

Stage	Specific Requirements
Precaution	Only use coatings compatible with the Product as specified in the instruction manual (e.g., solvent-based/water-based coating models recommended by the manufacturer). Strictly follow the coating manual for proportioning; any formula adjustment is prohibited.
Risk Identification	If a strong solvent odor is detected during operation, or symptoms such as dizziness and nausea occur, or the combustible gas detector (if available) shows a concentration $\geq 10\%$ of the LEL, immediately determine that the concentration is excessive.
Emergency Response	1. Immediately stop spraying operations, close and seal coating containers; 2. Set the fan to maximum speed and maintain ventilation for ≥ 20 minutes; 3. Identify and stop the coating modification behavior (e.g., remove unauthorized thinners); 4. Resume operation only after confirming the concentration is $< 10\%$ of the LEL using a combustible gas detector (if no detector is available, ventilate for ≥ 30 minutes and confirm no solvent odor).

II. Application Equipment Modification Scenario

1. High-Risk Behaviors (Strictly Prohibited)

- Adding additional spray guns (e.g., unauthorized addition of 2 or more spray guns when the original design is for 1);
- Replacing with non-manufacturer-recommended spray guns (e.g., large-diameter high-flow spray guns with nozzle diameter > 1.0 mm, exceeding the paint mist processing capacity of the ventilation system);

- Modifying the ventilation system, such as unauthorized blocking of some air inlets/outlets, replacing with non-original air ducts (reduced cross-sectional area), or replacing with low-power fans.

2. Principle of Concentration Excess

The Product's air change rate, airflow velocity, and other parameters are designed based on the paint mist generation rate of "1 standard spray gun" (approximately 50-80 g/h). After modification, **the generation of paint mist and solvent vapors doubles or more**, and the ventilation system cannot remove pollutants in a timely manner, leading to concentration accumulation in local areas (e.g., around workpieces). Meanwhile, airflow disturbance may be caused, further exacerbating vapor accumulation.

3. Safety Warning and Emergency Measures

Stage	Specific Requirements
Precaution	Application equipment must strictly match the Product specifications (refer to the "Compatible Equipment List" provided by the manufacturer). Only use spray gun models recommended by the original manufacturer (e.g., nozzle diameter 0.5-0.8 mm). Any modification to the ventilation system is prohibited (violating UKCA/CE/CB certification requirements).
Risk Identification	If paint mist remains suspended in the air (not carried away by airflow within 10 seconds), a thick layer of paint mist forms quickly on the transparent window, or the anemometer shows the airflow velocity in the active area is < the specified value for the corresponding model, determine that the concentration is excessive.
Emergency Response	1. Immediately stop operations, remove modified equipment (e.g., additional spray guns, non-original air ducts), and restore the original configuration;2. Maintain maximum fan speed for ventilation ≥ 15 minutes;3. Resume operation only after confirming the airflow velocity in the active area meets the standard using an anemometer;4. If excess concentration is caused by replacing with a low-power fan, replace it with the original fan (e.g., replace with YF-750W-F3 for the 750W model).

III. Auxiliary Process (Taking Spray Gun Cleaning as an Example)

1. High-Risk Behaviors (Strictly Prohibited)

- Cleaning spray guns, paintbrushes, and spray cups directly inside the spray booth using solvents (e.g., thinner, alcohol);

- Pouring cleaning waste liquid (containing solvents and residual coatings) directly onto the spray booth floor or into trash cans;
- Storing unsealed solvent containers inside the spray booth after cleaning (even if not in use).

2. Principle of Concentration Excess

During spray gun cleaning, the solvent volatilization rate can exceed 80% (e.g., approximately 80 ml of 100 ml solvent volatilizes when cleaning one spray gun). Waste liquid containing residual coatings continuously releases VOCs. Inside the enclosed spray booth, the volatilized solvent overlaps with residual vapors from spraying, and **the concentration can reach 15%-20% of the LEL within 10 minutes**, posing a much higher risk than normal spraying processes.

3. Safety Warning and Emergency Measures

Stage	Specific Requirements
Precaution	1. Clean spray guns in a well-ventilated open area outside the spray booth (e.g., outdoor shaded areas or cleaning rooms with independent exhaust);2. Pour cleaning waste liquid into a covered "Special Bucket for Flammable Waste Liquid" (corrosion-resistant, anti-static material) and dispose of it daily by organizations with hazardous waste disposal qualifications;3. Immediately seal solvent containers after cleaning and store them in a cool place at least 5m away from the spray booth;4. Use dedicated cleaning tools (e.g., rags, cleaning basins) and prohibit bringing them into the spray booth.
Risk Identification	If a distinct solvent odor is detected inside the spray booth (even without spraying), determine the concentration is excessive without the need for instruments.
Emergency Response	1. Immediately move solvent containers and waste liquid buckets out of the spray booth and place them in a well-ventilated safe area;2. Maintain maximum fan speed for ventilation ≥ 30 minutes, and open the spray booth doors/windows (if any) to accelerate air exchange;3. Wipe residual waste liquid on the floor with a damp cloth to prevent continuous solvent volatilization;4. Retrain operators on the standard procedures for auxiliary processes, and resume use of the spray booth only after confirming they have mastered the correct operations.

Supplementary Implementation Requirements

- 1.Operators must be assessed individually on the content of this section. The passing standard is "ability to fully identify three types of high-risk behaviors + correctly describe emergency steps". Assessment records must be retained for at least 1 year;
- 2.Any violation of this section will invalidate the Product's UKCA/CE/CB certifications, may result in customs detention during inspection, and the operator shall bear responsibility for safety accidents.

15.Personal Protective Equipment (PPE)

Requirements

Operators must wear the following PPE throughout the operation, and the PPE must comply with relevant EU standards. Uncertified protective equipment is prohibited:

Protection Type	Specific Requirements	Inspection and Replacement Cycle
Respiratory Protection	Half-mask respirator (compliant with EN 149 FFP2 class or above) + organic vapor cartridge (suitable for solvent-based coatings)	Check the respirator's tightness before each use (cover the air inlet with hands; the mask should fit tightly to the face without air leakage); replace the cartridge every 8 hours of use or immediately when a solvent odor is detected.
Eye Protection	Anti-fog safety goggles (compliant with EN 166 standard, impact-resistant, chemical splash-proof) or full-face mask (if integrated with the respirator)	Check goggles for scratches, cracks, and fogging before each use (replace anti-fog lenses or use anti-fog spray if fogging occurs); replace immediately if damaged.
Skin Protection	1. Chemical-resistant nitrile gloves (compliant with EN 374 standard, resistant to coating	Check gloves for damage and penetration after each use (if hands feel cold after contacting solvents,

	and solvent penetration);2. Long-sleeved waterproof apron (PVC material, covering the front of the torso);3. Anti-static clothing (compliant with EN 1149-5 standard, surface resistance $10^6 \sim 10^{10} \Omega$)	penetration has occurred); replace immediately if damaged. Inspect the apron weekly; repair or replace if there are holes. Wash anti-static clothing every 3 months; prohibit mixing with chemical fiber clothing during washing.
Hearing Protection	Earplugs (compliant with EN 352-1 standard) or earmuffs (compliant with EN 352-2 standard)	Check earplugs for deformation and earmuff gaskets for aging before each use; earplugs are disposable and discarded after use; replace earmuff gaskets when they age (lose elasticity).
Foot Protection	Anti-static safety shoes (compliant with EN ISO 20345 standard, steel toe cap, non-slip sole, anti-static function)	Check the anti-slip pattern of the sole for wear weekly (replace if severely worn) and the anti-static performance (measure with a surface resistance tester; resistance must be $10^6 \sim 10^{10} \Omega$); repair shoes if the upper is damaged; replace if repair is not possible.

Supplementary Protection for Special Scenarios

- When handling cleaning waste liquid: Additional thick nitrile gloves (thickness ≥ 0.5 mm) and chemical protective boots (solvent penetration-resistant) must be worn;
- When cleaning paint mist deposits: A protective face shield (to prevent dust inhalation) and elbow pads (to avoid elbow friction injuries) must be worn.

16. Radiation Curing Warning (If Applicable)

None of the Product models involve infrared (IR) or ultraviolet (UV) radiation curing functions. Individual users are prohibited from adding radiation curing equipment (e.g., UV lamps, IR heating tubes) by themselves for the following reasons:

- 1.Unauthorized addition will damage the Product's original explosion-proof structure and ventilation balance, leading to a sharp increase in the risk of flammable substance concentration excess;

2.Radiation curing equipment must comply with standards such as EN 61340-3-3 (electrostatic protection) and EN 62471 (photobiological safety). Unprofessional installation may easily cause radiation damage or fires;

3.After addition, the Product will no longer comply with UKCA/CE/CB certification requirements and will be deemed non-compliant during customs inspection.

If users indeed require radiation curing, they must customize a dedicated model from the manufacturer; self-modification is prohibited.

17. Maintenance and Calibration Procedures

17.1 Daily Maintenance Schedule (Executable by Individual Users)

Maintenance Item	Maintenance Cycle	Operation Process (Detailed Steps)
Fan Cleaning	Every 50 Operating Hours	1. Power off and unplug the fan power cord;2. Wipe dust from the fan housing and air inlet with a dry soft cloth;3. Clean paint mist residues on the fan blades with a brush (water washing is prohibited);4. Check if the fan bearings make abnormal noises (if yes, add high-temperature lubricating oil recommended by the manufacturer, such as No. 2 lithium-based grease).
Filter Cotton Replacement	Every 50 Operating Hours or When Pressure Difference > 2 kPa	1. Open the hook-and-loop fasteners covering the filter cotton (no need to remove the cover plate);2. Remove the old filter cotton (take care to avoid dust scattering);3. Align the new filter cotton with the hook-and-loop position and press to ensure sealing;4. Check for gaps around after replacement to ensure no air short-circuiting.
Electrostatic Grounding Test	Monthly	1. Disconnect the connection between the grounding terminal and the earth electrode;2. Connect the two probes of the ground resistance tester to the grounding terminal and the earth electrode respectively;3. Start the tester and read the resistance

		value (normal $\leq 10\Omega$);4. If resistance $> 10\Omega$, check if the grounding wire is loose or the earth electrode is rusted (grind or replace if rusted).
Electrical Circuit Inspection	Every 6 Months	1. Power off and unplug all power cords;2. Check if the power cords are damaged or aged (e.g., cracked insulation layer) and if the plug pins are bent or oxidized;3. Check if the terminal blocks of the fan and air pump are loose (only qualified personnel are allowed to open the electrical box for inspection);4. Confirm that the grounding pin of the UK plug is in good contact (no looseness).
Air Pump Maintenance	Every 100 Operating Hours	1. Power off and remove the air inlet filter of the air pump;2. Rinse the filter with clean water (use neutral detergent if heavily soiled), dry it, and reinstall;3. Add 1-2 drops of lubricating oil recommended by the manufacturer (e.g., No. 32 mechanical oil) to the air pump bearings;4. Test the air pump pressure (must inflate the spray booth to the rated pressure within 3 minutes).

17.2 Safe Unclogging Steps for Equipment Blockage

If blockage occurs in air ducts, filter cotton interfaces, or spray gun holders (manifested as decreased airflow velocity and paint mist accumulation), follow these steps for safe unclogging:

1.Emergency Shutdown and Power Off: Immediately stop spraying operations, turn off the power of the fan and air pump, unplug the plugs, and hang a warning sign (to prevent accidental start-up);

2.Ventilate to Discharge Vapors: Open all doors and windows of the spray booth (if any) and maintain ventilation for ≥ 10 minutes to ensure residual flammable vapors inside are discharged;

3.Safe Blockage Removal:

●Air duct blockage: Use spark-free tools (e.g., plastic scrapers, wooden sticks) to remove paint mist clumps from the air duct. If the blockage is deep, one end of the air duct can be removed (only detachable interfaces designed by the original manufacturer) for cleaning;

●Filter cotton interface blockage: Open the hook-and-loop fasteners, remove the filter cotton, and blow off paint mist at the interface from the inside out with compressed air (pressure ≤ 0.2 MPa), or replace the filter cotton directly;

●Spray gun holder blockage: Clean paint mist residues in the holder gaps with a soft brush; prohibited to use metal wires for poking (to avoid spark generation);

4.Recovery and Testing: After cleaning, reinstall all components, start the fan, and confirm the airflow velocity in the active area meets the standard before resuming operation.

17.3 Calibration Requirements for Key Equipment

●Anemometer (for measuring airflow velocity): Calibrate annually by a qualified laboratory to ensure the measurement error $\leq \pm 5\%$. If equipment modification has occurred (even if restored), increase the calibration frequency to once every 6 months;

●Ground resistance tester: Calibrate annually and retain calibration records. If abnormal test data occurs (e.g., resistance $> 10\Omega$ repeatedly), calibrate in advance;

●Fire extinguisher: Inspect once every 6 months, including checking if the pressure gauge pointer is in the green zone, if the nozzle is unobstructed, and if the lead seal is intact. Expired or under-pressure fire extinguishers must be replaced immediately; continued use is prohibited.

17.4Maintenance, Repair, and Troubleshooting

1) When the product is finished, it is recommended to dry the tent and put it away.

2) If the product is stored in a humid environment, it is recommended to take it out to open it in sunny weathers.

3) If the product is torn, please repair it with the accompanying material and tools.

Troubleshooting

problem	cause	solution
Blower does not work	• Voltage mismatch • No power supply • The blower switch is not on	• Voltage need to match • Turn the power • Turn on the blower

Lack of tent pressure	• Voltage instability • The air tube is connected to a wrong blower • Both exhaust ports are not zipped properly	• Supply a stable voltage • Connect the air tube to the inflation blower • Zip both sides of the exhaust ports
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18. Emergency Response Procedures

18.1 Fire Emergency Response

1.Immediate Shutdown and Evacuation: Stop all operations, unplug the power plugs (including fan and air pump), and immediately evacuate personnel from the spray booth and the 10m area around it (do not linger for personal belongings);

2.Initial Fire Suppression: If the fire is small (e.g., local paint mist combustion), use a dry powder fire extinguisher to spray at the base of the fire (maintain a distance of 1-2m, sweep left and right) under the premise of ensuring personal safety. Prohibited to use water to extinguish solvent-based coating fires (water will spread the solvent and expand the fire);

3.Response to Spreading Fire: If the fire is not extinguished within 30 seconds or continues to expand, immediately call the local fire department (112 in the EU, 999 in the UK), inform the fire location and burning substances (e.g., "solvent-based coating fire"), and evacuate to a safe area (upwind, away from smoke);

4.Post-Fire Handling: After the fire is extinguished, the manufacturer or qualified organization must inspect whether the Product's explosion-proof structure and electrical system are damaged. The Product can be reused only after confirming no safety hazards (self-repair and reuse are prohibited).

18.2 Emergency Response to Flammable Substance Concentration Excess

1.Stop Operations and Seal Sources: Immediately stop all operations such as spraying and cleaning, seal coating containers and solvent buckets (if inside the booth), and turn off the fan power (to avoid vapor diffusion caused by airflow disturbance);

2.Enhance Ventilation and Exhaust: Open all doors and windows of the spray booth, start the fan and set it to maximum speed. Adjust the ventilation time according to the scenario:

- Excess concentration due to coating modification: ≥ 20 minutes;
- Excess concentration due to equipment modification: ≥ 15 minutes;
- Excess concentration due to auxiliary processes: ≥ 30 minutes;

3.Concentration Detection and Confirmation: Use a combustible gas detector to measure the concentration inside the booth (must be $< 10\%$ of the LEL). If no combustible gas detector is available, ventilate until no solvent odor is detected and operators have no discomfort such as dizziness or nausea;

4.Investigation and Rectification: Identify the cause of excess concentration (e.g., coating modification, equipment modification), conduct thorough rectification (e.g., remove unauthorized thinners, restore original equipment), and resume operation only after confirming no risks.

18.3 Emergency Response to Equipment Failures

(1) Fan Failure (Sudden Shutdown or Abnormal Noise)

- Immediately stop spraying operations and unplug the fan power cord;
- Check if the fan power has tripped or the plug is loose. If it is a power issue, restart after troubleshooting (only one attempt is allowed; shut down if the failure recurs);
- If the fan makes abnormal noises, smokes, or emits odors, prohibit restarting. Contact the manufacturer's after-sales service (provide the fan model and certification number, e.g., YF-950W-F3, UKCA Certificate No. AQ 50650373 0001) for repair by qualified personnel. Self-disassembly is prohibited.

(2) Air Pump Failure (Inability to Inflate or Slow Inflation)

- Stop inflation, unplug the power cord, and check if the air inlet filter is blocked (clean or replace the filter);
- If inflation is still not possible after cleaning, check if the air pump's air tube is leaking (apply soapy water to the interface to observe bubbles). Repair leaking areas with original tape or replace the air tube;
- If the air pump fails completely, contact the manufacturer for replacement.

Prohibited to use non-original air pumps (may have mismatched pressure leading to inflatable membrane damage).

(3) Power Outage Emergency

- Immediately seal coating containers and solvent buckets, and close the spray booth door (to prevent external dust from entering);
- If the power outage lasts ≤ 1 hour, ventilate for ≥ 10 minutes after power restoration before starting the equipment;

● If the power outage lasts > 1 hour, open the spray booth doors and windows for thorough ventilation ≥ 20 minutes. Check for no solvent odor inside before starting the equipment.

18.4 Emergency Response to Chemical Exposure (Skin/Eyes/Inhalation)

(1) Skin Contact with Coatings/Solvents

- Immediately remove contaminated clothing and rinse the contact area with a large amount of running water for ≥ 15 minutes (≥ 20 minutes for solvent contact);
- If the skin shows redness, tingling, blistering, or other symptoms, seek medical attention immediately and bring the coating/solvent manual (inform the doctor of the components);
- Contaminated clothing must be soaked in clean water before washing (prohibited to mix with other clothing). If deeply penetrated by solvents, dispose of as hazardous waste.

(2) Eye Contact with Coatings/Solvents

- Immediately hold the upper and lower eyelids open with both hands, and rinse continuously with a large amount of running water (water temperature 15°C - 25°C) for ≥ 20 minutes. Rotate the eyes during rinsing to ensure thorough cleaning of the upper and lower conjunctival fornices;
- Prohibited to rub the eyes or use eye drops (unless instructed by a doctor). After rinsing, seek medical attention immediately. Cover the eyes lightly with clean gauze or paper towels during transportation (to avoid strong light stimulation) and bring the coating/solvent manual.

(3) Inhalation of Excessive Paint Mist/Solvent Vapors

- Immediately move the patient to an area with fresh air and good

ventilation. Keep the patient in a sitting or semi-recumbent position (slightly elevated head), unbutton the collar, and keep the respiratory tract unobstructed;

- If the patient experiences difficulty breathing, confusion, vomiting, or other symptoms, immediately call the emergency number (112 in the EU, 999 in the UK) and inform the doctor of "inhalation of solvent-based paint mist";
- If the patient is conscious, allow them to drink an appropriate amount of warm water slowly (not excessive). Prohibited to feed any food or medication.

19. Waste Disposal Requirements (Compliant with WEEE Directive)

19.1 Product Scrap Disposal Steps

When the Product reaches the end of its service life (usually 5-8 years, or deemed unsafe for use by the manufacturer), it must be disposed of in an environmentally compliant manner as follows. Random disposal is prohibited:

1.Safe Disassembly:

- First, remove electrical components (fans, air pumps, power cords), disconnect all connections, and store them separately;
- Release the air from the inflatable membrane, remove the metal frame (e.g., support rods, ground nails), and separate it from the PVC inflatable membrane;
- Collect waste filter cotton, sealing strips, and other easily contaminated components, and place them in sealed bags separately.

2.Classification and Disposal:

Component Type	Disposal Method	Precautions
Electrical Components (Fans, Air Pumps)	As WEEE waste electrical and electronic equipment, send to local designated WEEE recycling points (e.g., large supermarkets, e-waste recycling centers). Inform the	Prohibited to disassemble the copper wires inside the motor for separate sale; peel off the insulation layer of waste power cords

	recycling organization that the equipment complies with UKCA/CE/CB certifications and has no unauthorized modifications.	(copper cores can be recycled, and insulation layers disposed of as plastic waste).
PVC Inflatable Membrane	Send to plastic recycling organizations. If the membrane has a large amount of paint mist residues, clean the surface first (with dedicated cleaning agents). Incineration is prohibited (will produce toxic gases such as dioxins).	If the inflatable membrane is severely damaged (uncleanable), dispose of it as "contaminated plastic waste" by hazardous waste disposal organizations.
Metal Frames/Ground Nails	Recycle as scrap metal and send to local metal recycling stations (e.g., steel recycling stations). No special treatment is required.	If metal parts are severely rusted, clean the rust (with sandpaper) to improve recycling value.
Waste Filter Cotton/Sealing Adhesive	As hazardous waste, place in sealed metal containers and recycle by organizations with hazardous waste disposal qualifications (contact local environmental protection departments for recommended organizations).	Prohibited to mix with domestic waste or general industrial waste to avoid soil/water pollution.

3.Manufacturer Recycling Support: If users cannot find compliant disposal organizations, they can contact VEVOR to apply for original manufacturer recycling services (a small disposal fee may be required).

19.2 Prohibited Disposal Behaviors

- Prohibited to mix any components of the Product (especially electrical components and waste filter cotton) with domestic waste or randomly pile them in outdoor areas, rivers, farmland, etc.;
- Prohibited to incinerate PVC inflatable membranes, waste coating containers, waste filter cotton, etc. Incineration will produce toxic and harmful gases (e.g., hydrogen chloride, VOCs) and violate environmental protection regulations;

- Prohibited to pour waste coatings or solvents into sewers, soil, or water sources. They must be collected separately and handed over to hazardous waste disposal organizations to avoid water and soil pollution.



■ This product is subject to the provision of European Directive 2012/19/EU. The symbol showing a wheeled bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices.

Important Notes

Individual users are prohibited from any form of modification to the Product (e.g., replacing fans, expanding dimensions, adding radiation curing equipment) or use exceeding model-specific dimensions. Otherwise, it will violate EN 14462:2015, the ATEX Directive, and UKCA/CE/CB certification requirements, leading to safety accidents such as explosions and fires, and the user shall bear corresponding legal responsibilities.

If the Product experiences major failures (e.g., damage to the explosion-proof structure, short circuit of the electrical system) or safety accidents, it must be immediately taken out of service and the manufacturer contacted. At the same time, report to the local safety supervision department. Concealment or continued use after self-repair is prohibited.

