TWEKO
PAINTING EQUIPMENT FACTORY

DRY FILTER SPRAY BOOTH

EC DECLARATION OF CONFORMITY
ISO 9001 CERTIFIED

A COMPACT SPRAY BOOTH

FOR YOUR WORKSHOP



The ASS-Cabin-1 dry filter spray booth by TWEKO creates safe and comfortable working conditions for surface preparation and coating of products made of wood, metal, plastic and other materials. No construction work is required: just connect the exhaust air ducts, and the booth can be installed in almost any room.

The air is cleaned by a two-stage dry filtration system with at least 95% efficiency, filtration class EU4. The first stage is a cardboard labyrinth filter that captures most of the paint particles and holds about 12 kg of paint per m^2. The second stage is a Paint Stop fibreglass filter that holds about 3.5 kg/m^2. Actual holding capacity depends on the type of paint.

The booth makes your paint shop more productive, speeds up the painting process and delivers a higher-quality finish.

PURPOSE OF THE BOOTH

ASS-Cabin-1 is the most compact model of the ASS-Cabin series. It is designed for paint areas where compactness, efficiency and safety matter most: furniture workshops and factories, paint-matching laboratories, picture-framing workshops, light industry and small metal fabrication shops. The booth is suitable for surface preparation and painting of small and medium-sized parts made of wood, metal, plastic and other materials.

ASS-Cabin-1 is the right choice when your painting process does not require a full-size spray booth. It removes overspray directly from the working zone, so the paint area can be set up even in a small room.

ASS-Cabin booths are already in use at a furniture factory, an automotive service company, a colour-matching centre of a paint supplier and a research and production company.

+380(93) 438 49 89
8 Almatynska St., Office 207, Kyiv, Ukraine | E-mail: tweko1@gmail.com

DESIGN FEATURES

A key feature of ASS-Cabin models is the protective mini-cabin that stops overspray from spreading to the sides. Side panels 500 mm deep form a painting zone matching the width of the model. As a result, the booth works as a compact spray booth without taking up extra floor space. It fits on a footprint of 1.1 × 1 m with an extraction opening of 1 × 1 m.

The body is made of galvanised steel 1.5–3.0 mm thick. The booth is delivered fully assembled and only needs a level floor (height difference no more than ±5 mm) and a connection to the exhaust ducts.

ASS-Cabin-1 comes with a 450 × 450 mm turntable, so the part can be painted from all sides without moving it by hand. A sealed 18 W LED luminaire with IP66 protection lights the working zone evenly. The booth is operated from its own control panel. The filters are mounted in the back wall: a cardboard labyrinth filter and a filter cassette with a Paint Stop fibreglass filter, each with an effective area of 1 m^2.

Operating principle

A centrifugal medium-pressure fan draws air through the working zone at 0.25–0.4 m/s. Air carrying overspray passes the cardboard labyrinth filter first, then the fibreglass filter, and is discharged outside through the exhaust ducts.

TECHNICAL SPECIFICATIONS. BASIC CONFIGURATION

Parameter	Unit	ASS-Cabin-1
OVERALL DIMENSIONS		
Overall dimensions, L × W × H	m	1.1 × 1 × 2.5
Extraction opening, W × H	m	1 × 1
Internal working area, W × H × D	m	1 × 1 × 0.5
Turntable size, L × W	m	0.45 × 0.45
AIR PURIFICATION		
Filtration system		Two-stage
Effective filter area	m^2	1
VENTILATION PERFORMANCE		
Exhaust fan motor power	kW	0.75
Airflow capacity	m^3/h	2,200
Air velocity in the working zone	m/s	0.4
LIGHTING		
Energy-saving LED T8 luminaires, 600 × 2 × 18 W	pcs	1
POWER SUPPLY		
Power supply		3-phase / 380 V / 50 Hz
Total power consumption	kW	0.8