TWEKO
PAINTING EQUIPMENT FACTORY

WATER CLEANING

EC DECLARATION OF CONFORMITY
ISO 9001 CERTIFIED

EXHAUST CABINET WITH WATER CURTAIN

FOR PAINTING

SMALL WORKPIECES



The AS Hydro (ASH-1) exhaust cabinet with water curtain, manufactured by the TWEKO Painting Equipment Factory, is designed to provide safe and comfortable working conditions for the preparation and application of coatings to small workpieces made of wood, metal, plastic and other materials.

Its compact modular design allows the cabinet to be easily integrated into different production environments. Installation does not require complex preparatory work — only a connection to the exhaust ductwork is needed to discharge the extracted air. For enhanced safety, the cabinet is manufactured from non-combustible materials and can be equipped with explosion-proof fans, an automatic fire suppression system and a paint supply interlock.

PURPOSE OF THE EXHAUST CABINET

The AS Hydro (ASH-1) is designed for paint shops and work areas, including furniture workshops and factories, paint-matching laboratories, framing workshops, light-industry facilities, and workshops manufacturing small metal products. It is particularly suitable for painting small workpieces and components where a clean working environment and high coating quality are required.

One of its key advantages is the three-stage filtration system, which combines two stages of water filtration with a PaintStop fibreglass filter. Water filtration captures up to 90% of pigments, aerosols and suspended particles, while the PaintStop filter provides additional purification with an efficiency of at least 95% (EU4 class).

The high contaminant-holding capacity of the water filtration system allows longer operating periods between filter replacements compared with dry filtration systems, helping to reduce maintenance costs.

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A rotating worktable and a sealed LED luminaire improve operator convenience and support consistent coating application. The compact and mobile construction allows the cabinet to be repositioned when required, while its modular design makes it easy to adapt to different production conditions. Efficient consumption of water and electricity also helps reduce operating costs.

BENEFITS

Using the AS Hydro (ASH-1) exhaust cabinet helps increase painting productivity by enabling fast and consistent coating application. Its three-stage filtration system reduces operator exposure to paint mist and airborne contaminants, helping to maintain a cleaner working environment.

Longer intervals between filter replacements, a compact and mobile design, and efficient use of water and electricity keep maintenance and operating costs low.

Non-combustible construction, together with optional explosion-proof fans, an automatic fire suppression system and a paint supply interlock, enhances operational safety. The final PaintStop filter meets the EU4 filtration class, making the AS Hydro (ASH-1) a reliable solution for professional coating applications.

TECHNICAL SPECIFICATIONS. STANDARD CONFIGURATION

Parameter	Unit	ASH-1
OVERALL DIMENSIONS		
Overall dimensions (L × W × H)	m	1.1 × 1 × 2.5
Internal working area (W × H × D)	m	1 × 1 × 0.5
Rotating table size (D × W)	m	0.45 × 0.45
AIR PURIFICATION		
Filtration system	—	Two-stage water filtration system + dry PaintStop filters
Water curtain opening (W × H)	m	1 × 0.9
Total water volume in the system	l	227
Water flow rate	l/min	250
Water pump power	kW	1.2
VENTILATION UNIT PERFORMANCE		
Exhaust ventilation unit	kW	0.75
Air flow rate	m^3/h	2,200
Air velocity in the working area	m/s	0.25–0.4
LIGHTING		
Energy-saving LED luminaires T8, 600 × 2 × 18	pcs	1
POWER SUPPLY		
Power supply	—	1 phase / 220 V / 50 Hz
Total power consumption	kW	1.4

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