Safety Workbench

KuWo Serise

The Safety Workbenchis an air purification device that provides a localized high-cleanliness microenvironment. It delivers self-circulating vertical unidirectional laminar airflow, effectively preventing contamination during production processes or material handling. The work zone can be configured as either negative or positive pressure.

Applications:

Pharmaceutical, biological, chemical, electronic, precision instrument, and food processing industries for aseptic protection operations.



Product Advantages

Structural Design

Main body constructed from stainless steel with brushed surface treatment for aesthetics, wear resistance, and easy cleaning. Internal rounded corners minimize cleaning dead zones. Optional perforated or slotted return air panels around the operation table, or fully perforated work surface.

Purification Performance

Work zone cleanliness achieves ISO Class 5, meeting GMP Grade A requirements. Equipped with dust emission ports and test ports for filter integrity testing. Work zone pressure can be designed as positive or negative based on demand.

Visualized Control

Touchscreen control system with real-time parameter display for enhanced operability. Real-time differential pressure monitoring to indicate filter replacement timing. Optional 5-speed adjustment, stepless speed regulation, or variable frequency control.

Ergonomic Design

High-quality isolation gloves for convenient operation. Large visual window design improves operational accuracy; gas spring-assisted door for effortless opening/closing. Universal wheels for easy mobility between cleanrooms; doubles as a sterile material transfer cart.Industrial-grade maintenance-free fan with low noise and long lifespan.

Technical Parameters

Model	parameter
External Dimensions (W×D×H)	1060×665×1920 mm
Work Zone Dimensions (W×D×H)	900×640×560 mm
Filter Efficiency	G4 (Pre-filter) H14 (EN 1822)
Cabinet Material	SUS 304 Stainless Steel
Cleanliness Class	ISO Class 5 (Grade 100)
Average Air Velocity	0.36 ~ 0.54 m/s
Touchscreen	Siemens
PLC	Siemens
Pressure Gauge	DWYER Digital/Pointer Type
Physical Barrier	PC Polycarbonate/Tempered Glass
Air Velocity Sensor Range	0 ~ 2 m/s
Isolation Gloves	Oxidation-Resistant (Optional)
Power Supply	AC 220 V/50Hz
Power Consumption	270 W
Battery Life	> 5 Hours
Gross Weight (Approx.)	97 kg
Net Weight (Approx.)	79 kg

Note: Dimensions and other features can be customized.

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