Downflow Booth

A Downflow Booth is a controlled environment device specifically designed for operations such as weighing raw materials, handling powders or product sampling within clean areas. It is widely used in pharmaceutical manufacturing, microbiological research, and scientific laboratories.

Product Features

- Maintains -10Pa to -30Pa pressure to prevent pollutant escape
- Pre-filter + Medium-efficiency + HEPA filter ensures exhaust air cleanliness
- CFD-optimized airflow creates stable laminar flow with dedicated return air channels
- Automatic differential pressure monitoring and alarm system, compatible with BMS/EMS
- Full stainless steel construction, corrosion-resistant, dust-proof, and easy to clean

▲ Touchscreen Controller for Flowdown Booth

Standard Configuration

- SUS304L brushed stainless steel plate
- Brand primary, medium-efficiency, and Gel seal HEPA filters
- Low-noise DC fan
- Dial-Type High-Precision Pressure Gauge
- E+E air velocity sensor
- IP66 rated power socket
- Integrated Control Panel

Optional Configuration

- Roll-type Primary Filter
- Cooling Unit
- Digital High-Precision Differential Pressure Gauge

Product Highlights

- Remote Control: Operable via mobile App for convenient management
- Smart Maintenance: Paperless initial resistance recording with automatic filter replacement alerts
- System Integration: Compatible with EMS for centralized management

Standard Models & Technical Parameters

Model	External Dimensions (WxDxH) mm	Internal Dimensions (WxDxH) mm	Airflow Velocity m/s	Cleanliness Level	Consumption (kW)
BCLC-120060	1300x1100x2550	1200x550x2000	0.45±20%	Same as Background Area	0.8
BCLC-150120	1600x1700x2550	1500x1150x2000			2
BCLC-200200	2100x2500x2550	2000x1950x2000			4
BCLC-300200	3100x2500x2550	3000x1950x2000			4
BCLC-400250	4100x3600x2550	4000x2450x2000			7.5

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