



1 Product overview

The weighing room, also known as negative pressure room, dispensing booth, sampling room, is a dedicated local decontamination unit that conforms to the latest version of GMP for the production of sterile formulation, widely used in pharmaceutical, biological research and scientific experiment etc.

2 Reasonable air distribution

It provides a vertical one-way air flow, 80%-90% of clean air is circulated in the work area, 10%-20 % discharge to generate negative pressure in the work area, prevent dust from overflowing, and prevent cross-contamination, which is used to ensure a high cleanliness environment in the work area.

3 Flexible air supply

Uniform air flow supply clean vertical unidirection airflow, create a virtuous circle of air recirculation, automatically controlled by the intelligent PLC system, constant keeping 0.45m/s air flow.

4 Good sealing

Weighing room provides a self-circulating negative pressure clean microenvironment and a negative pressure operating area without leakage. Effectively remove harmful dust or infectious virus from production or biological operations.

5 Advantages

Using PLC and touch screen control, intelligent and fast human computer interaction interface.

Item	Weighting room / Negative pressure room / Dispensing room / Sampling room	
Model	WR-001	WR-002
External size(WxDxHmm)	1300x1300x2600	2400x1800x2600
Working area(WxDxHmm)	1200x800x2000	2300x1300x2000
Air flow (m³/h)	1550	4850
Power (W)	590	3100
Velocity	0.45 m/s±20%	
Clean Class	Class A, ISO5 (Class 100)	
Noise	<65 dBA	
Illumination	≥300 Lux	
HEPA Filter	G4+F8+H14	
Control Method	PLC+HMI	
DP gauge	3sets, for each filter	
DOP test ports	1set for filter integrity test	
Accessories	Wind speed sensor, LED light, water proof sockets	
Power Supply	AC 380V	

Optional Configuration

- Laminar flow membrane
- Temperature and humidity induction
- Alarm buzzer (for pressure difference, fan)
- Operating table
- Solid wall door
- DP gauge for exhaust filter
- FAT / IQ / OQ / DQ



Parameter

1. PAO test port
2. Alarm buzzer
3. Differential pressure gauge
4. PVC strip curtain
5. Water proof socket
6. Power connector
7. LED lamp
8. PLC Touch screen control panel
9. Emergency stop switch
10. Wind speed sensor
11. LED lamp on/off switch
12. Blower
13. Medium efficiency filter
14. Washable Pre filter
15. Air supply HEPA filter
16. Air exhaust HEPA filter

