Pretreated Balance Chamber

The temperature of the test chamber is designed by the way of constant temperature and indirect temperature control of the outer environment box. The humidity between each chamber and the balanced inlet/exhaust channel are designed to prevent the pattern from interfering with each other when the gas is released in the pretreatment process. Key start mode, fully automatic operation, very suitable for wood-based panel and its production enterprise quality inspection.

Standards Compliant

ENV 717—1

ASTM D6007—02

LY/T1612—2004

XD-018/6PH-A2

XD-020/4PH-A2

Features

1. The design of the multi-compartment structure can effectively improve the space occupancy rate of the site used by customers and the pre-treatment efficiency before the pattern detection. At the same time, it can make reasonable use and management of the space of the laboratory equipment.

2. the control of PLC+ touch screen man-machine surface intelligent control scheme management, human-machine exchange and meet friendly, operation position ergonomic design is reasonable, in the process of equipment operation in the internal environment of the temperature/humidity and all point parameters for real-time monitoring and data preservation. The historical data and historical curves of the parameters at all points in the whole preprocessing process can be checked in real time, or downloaded and saved to the computer for data analysis, viewing and archiving through mobile storage devices.

3. the thermal system design is reasonable, the balance heat source directly adopts the compression heat of the refrigeration system for proportional adjustment processing, the cooling method of the refrigeration unit adopts air cooling with high reliability, without the need for customers to provide the cooling tower and the cumbersome maintenance of the cooling tower in the late stage, stable performance, economic and energy saving.

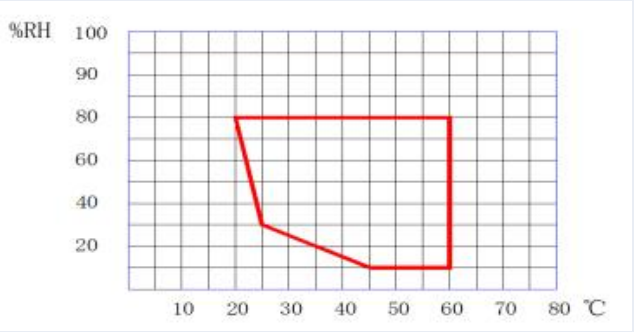
4. the wide range of temperature/humidity setting in the balance box to meet the detection needs of multiple types of customers, a wide range of users in the diversified needs of style pretreatment.

5. The large-capacity artificial water storage tank is equipped with automatic water level monitoring and water replenishing function of pipe network, which can save frequent water filling in the room without pipe network water supply system in Party A's laboratory. Automatic water replenishing through the pre activated carbon filter and then into the storage tank.

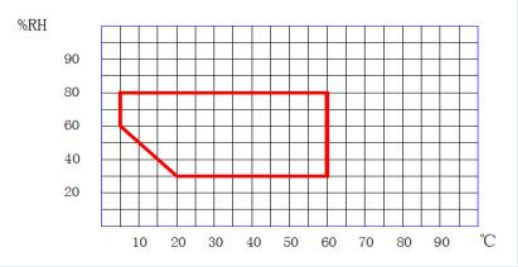
6. The refrigerating unit adopts imported fully enclosed compressor, air cooling mode, low operating noise, high reliability, simple installation and debugging work at customer site.

7.The equipment comes with ventilation device, the customer site does not need to configure additional compressed air source, ventilation device using magnetic diaphragm air pump, oil-free compressed air cleanliness is high, the exit is set with activated carbon pre-filter, to ensure that the ventilation box background formaldehyde content will be lower, low noise, long service life and other characteristics.

Technical Specification

Model	XD-018/6PH-A2
Studio Size	Internal size：W500mm×H500mm×D600mm （6） Content of the product：180L×6
Dimensions	External dimensions：W1990×H2080mm×D950mm
Temperature/ Humidity	Temperature range：+15℃～+50℃ Humidity range：35%～80% RH
Temperature and Humidity Control Range Chart	
Instrument resolution	Temperature：0.1℃ Humidity：0.1%RH
Temperature fluctuation	±1℃
Temperature uniformity	≤2℃
Humidity fluctuation	≤±3%RH
Air displacement rate	1～2.5 times/hour (adjustable)
Flowmeter accuracy	Glass rotor flowmeter Accuracy not less than2.5； 0.25～2.5m³/h
Flow display	➢ Analog digital micro gas flow meter, touch screen online flow display (flow range adjustable)
Air tightness	➢ When the overpressure is 1000Pa, the leakage is less than 10-3×1m3/min; ➢ The gas flow difference between import and export is less than 1%; ➢ Pressure monitoring in the box, micro pressure sensor of analog quantity, touch screen on-line pressure display in the box
Stable time	➢ Temperature stabilization time less than40min;Humidity stabilization time is less than 70min,The equipment can be operated continuously for at least 30 days;
Background indicators	＜0.1mg/m³
Noise	≤55db (A sound level)

Technical Specification

Model	XD-020/4PH-A2
Studio Size	Internal size：W520×D650×H600mm (4) Content of the product：200L×4
Dimensions	External dimensions：W1190mm×D1350mm×H2030mm 500×500mm samples can be placed in the cabin at any angle
Temperature/ humidity	Temperature range：+15℃～+70℃ Humidity range：30%～80% RH
Temperature and Humidity Control Range Chart	
Instrument resolution	Temperature：0.1℃ Humidity：0.1%RH
Temperature fluctuation	≤±0.2℃
Temperature uniformity	≤±0.5℃
Humidity fluctuation	≤±3%RH
Air displacement rate	1～2.5times/hour (adjustable)； Control accuracy ±0.05m³/h
Flowmeter accuracy	Gas mass flowmeter + flow controller Accuracy 0.5, maximum 10L/min
Flow display	➢ Analog digital micro gas flow meter, touch screen online flow display (flow range adjustable)
Air tightness	➢ When the overpressure is 1000Pa, the leakage is less than 10-3×1m3/min; ➢ The gas flow difference between import and export is less than 1%; ➢ Pressure monitoring in the box, micro pressure sensor of analog quantity, touch screen on-line pressure display in the box
Stable time	Not less than 60 days
Background indicators	＜0.1mg/m³
Noise	≤55db(A sound level)

MODERN INSTRUMENTS
No 18, Xuwang Road, QingPu District Shanghai, China
+86 2159884839
info@moderner.com