

Pressure Enhancement 200mm Rain Test Chamber 1.0kW With Sensors

Our Product Introduction

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Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: ISO 20653:2013, DIN 40050-9:1993, IEC60529:2013 VW 80000:2017 LV124 K-10
- Model Number: YX-IPX34KBSE-R200
- Minimum Order Quantity: 1 pcs
- Price: usd+20000-50000+pcs
- Packaging Details: wooden box package
- Delivery Time: 30-45 days
- Payment Terms: T/T
- Supply Ability: 100+pcs+30



Product Specification

- Product Name: Waterproof Testing Chamber , Rain Spray Climatic Chamber
- Material: Outer: Steel Plate; Inner: 304 Stainless Steel
- Controller: 7-inch PLC Touch Screen
- Inspection Window: Tempered Glass
- Rotating Speed: 1-5 Rounds Per Minute
- Application Scenarios: Rain / Splash Water
- Turn Table Load Bearing: 20KG
- Turn Table Diameter: 200mm
- Highlight: **Pressure Enhancement Rain Test Chamber , 200mm Rain Test Chamber , Rain Test Chamber 1.0kW**



Product Description

Pressure Enhancement 200 mm Rain Test Chamber with Sensors for IPX3 IPX4

General specifications:

Outside dimension: Approx W 955×D 690×H 1415(mm)
Inside dimension: W 500×D 500×H 500 (mm)
Power supply: 220V/50HZ
Power: 1.0kW

Product description:

The pressurization technology of this rain test chamber can more realistically simulate actual rainfall conditions, and its equipped flow and pressure sensors are highly sensitive, which can be widely used in various testing fields.

There is a water storage tank inside the equipment and a water level control system. When the water is full, it will prompt, and when it is short of water, it will alarm. The sample power socket (220V, 10A) is mounted on the right wall of the inner box, which is convenient for the user to do the live test of the sample; and after the sample is powered on, the turntable rotation will be automatically adjusted to forward and reverse rotation to prevent winding⁵. And there is a waterproof lighting inside, which is convenient for users to observe the test situation.

Controller: 7-inch touch screen + PLC, using Yuexin self-developed software, which can be switched to multiple languages⁶.

Test time setting: 0-999min⁷.

Universal casters are mounted on the bottom, which has good load-bearing and easy to move and fix the equipment.

Protection measures: short circuit protection, water shortage alert.

Simple installation, power on and adding water can be used, test parameters can be set on the touch screen, clear picture, easy to operate.

The equipment adopts stainless steel water pump to ensure that the machine operates for a long time without rusting and is very durable.

There is a drainage groove under the window of the equipment to prevent dripping water from flowing out directly along the box door, resulting in rust or deformation of the lower edge of the box door.

The equipment is painted in Yuexin's standard blue and white colour to emphasise the waterproof theme.

Conventional box-type equipment swing tube specifications are generally R200, R400, R600, can be customised according to user needs to do larger specifications (need to assess the budget, delivery period and other factors)

Box-type structure, can be recycled water testing, saving resources and more environmentally friendly (it is recommended to replace the water once a week to prevent the deterioration of water quality)

Technical parameters :

Item	Specification
Radius of swivel tube	R200mm
Diameter of swivel tube	400mm
Internal diameter of swivel tube	15mm
Internal diameter of nozzle	0.4mm
Number of nozzles of swivel tube	12
Distance between nozzles	50mm
Speed of rotation of the swivel tube	60 degree/s
Swing pipe angle	IPX3:120°; IPX4:350°
Water volume flow(IPX3)	0.56L/min±5%
Water volume flow(IPX4)	0.84L/min±5%
Power supply	220V/50HZ
Power	1.0kW

Service scenario:

This sophisticated rainfall testing chamber meticulously duplicates real-world rain conditions, enabling rigorous evaluations of products' endurance, sealing robustness, and operational stability under wet stress. Catering to a diverse portfolio of industries, from electronics to automotive components to outdoor technology, its automated processes and water conservation mechanisms enhance testing efficiency while guaranteeing the accuracy and repeatability of results.

Cautions:

- 1 The pictures in this document are for customer reference only, and there may be color differences between the actual model and the pictures.
- 2 This document only lists some test standards, which does not mean that other test requirements and standards cannot be conducted. Welcome to communicate and discuss with us.
- 3 One test only at the same time. The next project can be only carried out after the current test is completed. In addition, we can provide multi-functional customized test solutions according to user requirements.
- 4 Standard load-bearing upper limit of turntable is 30kg, but also can be customized per requirements.
- 5 Please inform in advance if the voltage(220V) does not match the actual needs so that we can provide customized solutions for you.
- 6 At present, only Chinese and English interfaces are supported; if other languages are introduced, the software can be updated remotely.
- 7 It is recommended to set the test time according to the test standard. The water temperature will rise due to long time test which has an impact on the test results.
- 8 The photos may not match the actual ones, and are for user reference only.

Product detail picture:



electrical machinery

Tags: IPX3 IPX4 Waterproof Chamber, Rain Test Chamber, Rain Spray Testing Chamber



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