



Environmentally Friendly 400mm Rain Test Chamber For IPX1-2

Our Product Introduction

Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: ISO 20653:2013 , DIN 40050-9:1993 , IEC60529:2013 VW80000:2017 LV124 K-10
- Model Number: YX-IPX12B-400
- 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: Rain Test Chamber, Dripping Climatic Chamber
- Turntable Tilt: 0° Or 15°
- Turn Table Load Bearing: 20KG
- Distance Between Nozzles: 20mm
- Drip Area: 400×400mm
- Drip Distance: 200mm
- IP Grade: IPX12
- Turn Table Diameter: 600mm
- Highlight: Environmentally Friendly Rain Test Chamber, 400mm Rain Test Chamber, Rain Test Chamber IPX1-2



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Product Description

Environmentally Friendly 400 mm Rain Test Chamber for IPX1-2 with Standards

General specifications:

Dimension	External: Approx W 1250×D 1020×H 1750 (mm) Internal: W 800×D 800×H 1000 (mm)
Material	Exterior: steel plate Interior: 304 stainless steel

Description:

In contrast to the stand-up and wall-mounted models, this dripping tester of the box design boasts several distinct advantages. Firstly, its portability enables effortless relocation. Secondly, it facilitates the recycling and reuse of experimental water, promoting sustainability. Moreover, its eco-friendly nature underscores a commitment to environmental preservation. Lastly, it is capable of performing waterproof assessments on smaller devices, widening its application range.

The drip tank is made of stainless steel, with 0.4mm needle nozzles evenly distributed, and the water level is invisible. 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.

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 language⁶.

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.

Four universal load-bearing casters at the bottom, easy to move.

When the ground is not flat, the height can be adjusted individually to keep the water coming out of the drip plate evenly.

Drip plate is fixed, by lifting the height of the turntable to achieve the adjustment of the drip distance, turntable lifting range 0-500mm.

Three-stage filtration system: mesh cover plate can prevent spare parts from entering the water storage tank, built-in filter plate can prevent paper screws and so on from entering the pump, high-precision filter can adsorb tiny impurities in the water to prevent the nozzle from clogging.

Operating scene:

The producer of rain testers caters to a vast array of industries, encompassing plastics, rubbers, paints, coatings, printing inks, paper products, pharmaceuticals, foodstuffs, cosmetics, textiles, automotive components, packaging solutions, construction materials, as well as electrical and electronic goods. This equipment offers pivotal testing metrics essential for advancing scientific research, fostering product innovation, and ensuring rigorous quality control standards.

Product parameters :

Item	Specification
Drip area	400×400mm
Diameter of nozzles	0.4mm
Distance between nozzles	20mm
Flow control ⁸	Manual adjustment with flow meter
Water flow(IPX1) ⁹	0.36-054 L/min
Water flow(IPX2)	1.08-1.26 L/min
Flow meter range	0-2.0 L
Drip distance ¹⁰	200mm
Power supply	220V/50HZ
Power	1.0kW

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 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.
- 3 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.
- 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 standard model is adjusted by a flowmeter, and the upper surface of the float is aligned with the scale to read the data; if you need to export the test data, you can choose a flow sensor.
- 9 The data is calculated based on the dripping area, $IPX1: 0.6 \times 0.6 \times (0.001 - 0.0015) = 0.00036 - 0.00054 m^3/min$ (that is 0.36-0.54L/min). When reading the flowmeter, the second digit after the decimal point is the estimated reading data, not accurate data; if the user is concerned about the accuracy of the data, a flow sensor can be selected through negotiation.

Second characteristic numeral	Test means	Water flow rate	Duration of test	Test conditions, see
0	No test required	–	–	–
1	Drip box Figure 3 Enclosure on turntable	$1^{+0,5}_0$ mm/min	10 min	14.2.1
2	Drip box Figure 3 Enclosure in 4 fixed positions of 15° tilt	$3^{+0,5}_0$ mm/min	2,5 min for each position of tilt	14.2.2

10 The user needs to prepare an air compressor in advance (recommended gas storage capacity > 40L). If you need us to buy it on your behalf, you need to explain in advance.

11 200mm is the distance from the nozzle to the sample specified in the standard, and the user needs to adjust the height of the turntable to meet the distance requirement.

12 The photos may not match the actual ones, and are for user reference only.

Product detail image:



inner box

Tags: IPX1 IPX2 Waterproof Chamber, Water Drip Testing Machine, Dripping Environmental Chamber

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