

50m 100L IPX8 Waterproof Test Chamber With Pressure Protection

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
- Model Number: YX-IPX8-50AC-100L
- 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

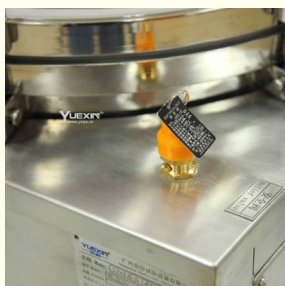


Product Specification

- IP Grade: IPX8
- Test Scenario: Environment Of Long Term Immersion Up To A Specified Pressure
- Depth Range: 1-50m
- Material: 304 Stainless Steel
- Pressure Accuracy: 1 KPa
- Opening Method: Cylinder Drive
- Type: Button Type
- Product Name: Waterproof Immersion Soaking Test Chamber , Ipx8 Waterproof Test Equipment
- Volume: 100L
- Highlight: IPX8 Waterproof Test Chamber , 50m Waterproof Test Chamber , 100L Waterproof Test Chamber



More Images



Product Description

50m 100L IPX8 Waterproof Test Chamber Factory Made with Pressure Protection

Product introduction:

The IPX8 immersion test device, boasting a water pressure resistance of 50 meters, sports a user-friendly button-style operation interface. It employs pneumatic cylinders for lid operation, enabling smooth and dependable access for loading and unloading test samples. Specifically tailored for stringent waterproof testing, this equipment guarantees that products can endure harsh underwater conditions, adhering to the stringent criteria of IPX8 certification.

The device is equipped with a pressure sensor, which can display the internal pressure change synchronously.

The tank cover is fastened with stainless steel can lid flange fasteners, and the seal is firm.

Timing is performed by a time relay, and timing starts after the internal pressure reaches the set value.

After the test is complete, the device automatically vents the pressure.

The tank cover is connected with a mechanical safety valve. If the set pressure exceeds the set pressure, the safety valve will release the pressure directly to ensure the safety of users.

The tank lid is lifted and lowered by cylinder driving to reduce operating pressure.

If the user needs to provide an external power supply for the sample, we can open a hole in the lid and provide a locking device (wire diameter <15mm)⁵.

Detail images:



tube

cylinder

air

Use scene:

The primary function of the IPX8 Pressure Immersion Test Machine is to emulate various depths of water and evaluate the waterproof capabilities of product housings. Its testing scenarios are wide-ranging, including electronic parts, outdoor lighting fixtures, automotive components, communication equipment, drones, watches, and more. By applying pressure to water using compressed air, it simulates underwater conditions in practical use to ascertain the underwater operational integrity of products. This equipment is essential across numerous industries and holds immense significance in guaranteeing product quality.

General specifications:

Outer dimension	Approx W 810×D 730×H 1050 (mm)
Pressure accuracy	1 kPa
Power supply	220V/50Hz

Power	100w
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The technical data:

Item	Specification
Thickness of lid	15 mm
Flange thickness	20 mm
Tank thickness	3 mm
Equipment net weight	Approx 100 kg
pressure range	0-300 kPa
Water depth(maximum)	50 meters
Adjustment method	Automatic adjustment
Opening method	cylinder drive
Pressure accuracy	1 kPa
pressure error value	±2 kPa
Set pressure of safety valve	0.35 Mpa(350kPa)
Testing time ⁶	0-999 s/min/h
power supply	220V/50Hz
power	100 w

Remark:

- 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 The formula of the corresponding relationship between pressure and water depth: $P=9.8d$ (Unit :kPa,m).
- 5 Please wear insulating gloves during power-on test to avoid personal safety problems.
- 6 The time unit of the test can be freely selected, and it can be adjusted through the time relay before starting the test.
- 7 The user needs to prepare an air compressor in advance (recommended gas storage capacity > 60L). If you need us to buy it on your behalf, you need to explain in advance.
- 8 The photos may not match the actual ones, and are for user reference only.

About us:





Tags: Water immersion test equipment, IPX8 waterproof test equipment, Environmental testing machine

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