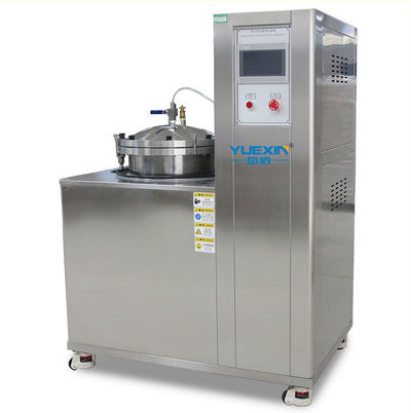
Durable 200m Ocean Depth Simulation Test Machine Pressurized Water Immersion Environment

Our Product Introduction

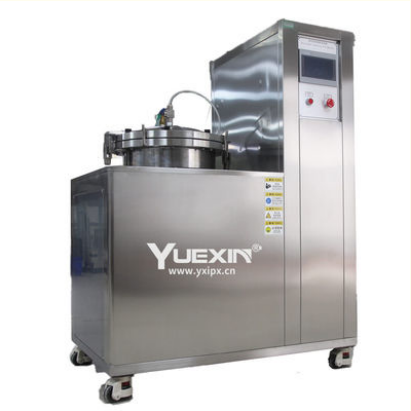
Basic Information

- Place of Origin: Guangdong , China
- Brand Name: YueXin
- Certification: ISO20653:2013 IEC60529:2013 IEC60598:2021 DIN40050-9:1993
- Model Number: YX-OS200-60L
- 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

- Name: Ocean Depth Simulation Test Machine
- IP Code: IPX8
- Simulation Environment: Pressurized Water Immersion Environment
- Equipment Weight: About 340KG
- Test Water Depth: 0-200m
- Material: 304 Stainless Steel
- Highlight: **Durable Ocean Depth Simulation Test Machine**, **200m Ocean Depth Simulation Test Machine**



More Images

Product Description

200m Ocean Depth Simulation Test Machine, Durable Diving Simulation Tester

Equipment composition:

The ocean depth simulation test chamber is primarily composed of a 304 stainless steel outer casing, a touch screen control system, a pressure controller, safety valves, and other components.
Outer Casing and Tank Body:
Made of 304 stainless steel, they exhibit excellent corrosion resistance and pressure bearing capabilities.
Control System:
Equipped with a touch screen control system, it facilitates users in setting test parameters and monitoring the testing process.
Safety Valves:
These ensure that during the testing process, when the pressure exceeds the set value, it can automatically release the pressure, safeguarding the equipment and personnel's safety.

Product characteristics:

Capable of simulating a myriad of underwater depths, this test machine effectively gauges the pressure resistance and waterproof effectiveness of diving products. Through the strategic use of water injection and pressure intensification, it conducts rigorous evaluations.

1 The Machine is suitable for IPX8 waterproof test or Simulate the deep sea test environment.
2 The tank is made of 304 stainless steel material, which can ensure the pressure performance of the container and is not easy to rust.
3 All electronic control components are imported from LS, Panasonic, Omron and other brands, and the touch screen adopts a true-color 7-inch screen.
4 The pressurization method adopts the water injection pressurization method, the maximum test pressure can be simulated up to 1000 meters, and the equipment is equipped with a safety valve pressure relief valve (mechanical).
5 The pressure sensor is used to detect the test pressure and has the effect of stabilizing the pressure; if the pressure in the tank exceeds the pressure, it will automatically open the safety valve to drain water to relieve the pressure.
6 The control is equipped with an emergency stop operation button (the pressure is automatically released to 0 meters after pressing the emergency stop).
7 Support two test modes, users can choose according to test requirements:
Standard test: The water pressure value and test time can be directly set, and the timing test will start when the water pressure in the tank reaches this value; the alarm will be prompted after the test is over.
Programmable test: 5 groups of test modes can be set. During the test, you only need to select a certain group of modes and press the start button; each group of modes can be divided into 5 continuous test stages, and each stage can be set independently time and pressure values. (In this mode, the number of loop tests can be set)
8 Test time setting unit: minute.
9 Without a water tank, fill the tank with water after connecting the water pipe, and then pressurize it with a booster pump.
10 Casters and foot cups are installed at the bottom of the chassis, which is convenient for users to move and fix.
11 Protective device:Leakage switch, pressure safety valve protection, 2 mechanical pressure relief valves, manual pressure relief switch, emergency stop button.

Usage scenario:

By simulating the extreme conditions of deep-sea environments, this innovative machine rigorously tests the waterproof seals of lamps, appliances, electronics, and other products. Following the assessment, it conclusively verifies compliance with waterproof standards, empowering businesses to refine their offerings and streamline quality control processes.

Technical parameter:

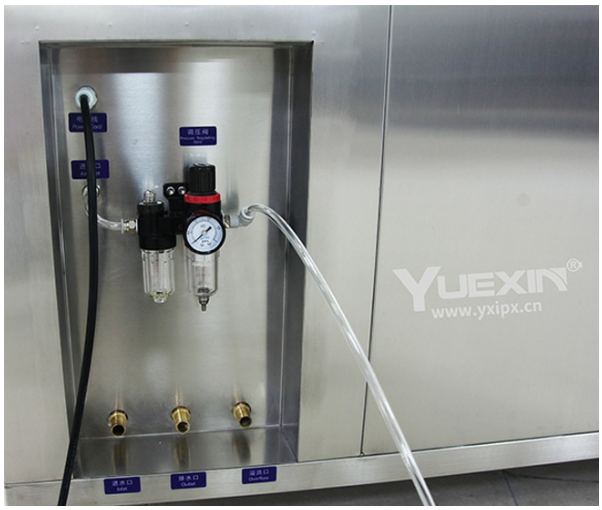
Item	Specification
External dimensions	W1070×D750×H1550mm
Inner size	Φ400×H500mm
Wall thickness of the Tank	12mm
Tank material	304 stainless steel material
Flange thickness	40mm
Flange material	304 stainless steel material
Equipment weight	About 340KG
Pressure control mode	Automatic adjustment
Pressure error value	±0.02 Mpa
Pressure display accuracy	0.001Mpa
Test water depth	0-500m
Pressure adjustment range	0-5.0Mpa
Exhaust pressure of the safety valve	5.1Mpa
Test time	0-999 min
Power supply	220V/50HZ
Rated power	100w

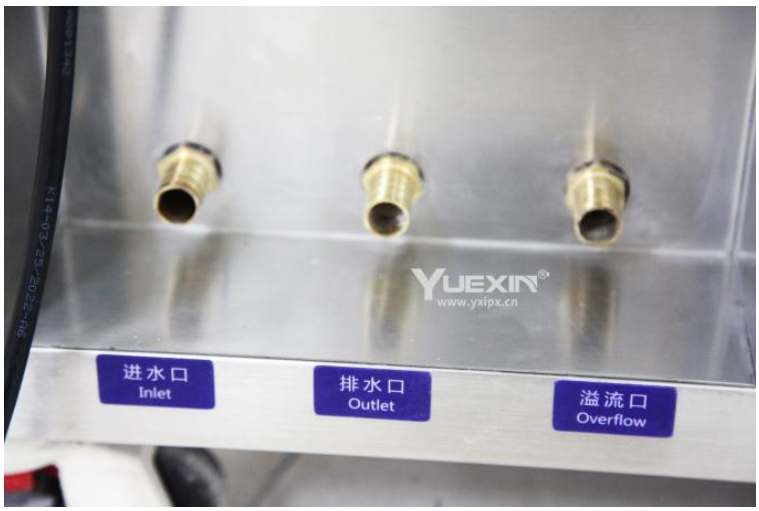
Installation and use conditions:

1 Site of installation:Recommended installation position dimensions ≥ W1500× D1200× H2000mm The ground load-bearing capacity is not less than 800kg/ .
2 Power supply:220V / 50HZ(This is negotiable and adapted to customer conditions),and the length of the power cable is 2.5

m.
3 Water source requirement:The supplier delivers 6 meters water pipe (specification DN15), and the user needs to ensure that the water source is within this range (if it needs to be extended, please explain in advance).
4 Drainage requirement:Users should make drainage channels in the site in advance.
5 Air source requirements: Users should provide their own air compressor, and the output pressure should be stable at 0.6-0.8Mpa.

Product detail photos:





pressure regulating valve inlet, outlet and overflow

Tags: Marine environment simulation test machine, Deep sea pressure simulation test machine, Water pressure environment test equipment

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