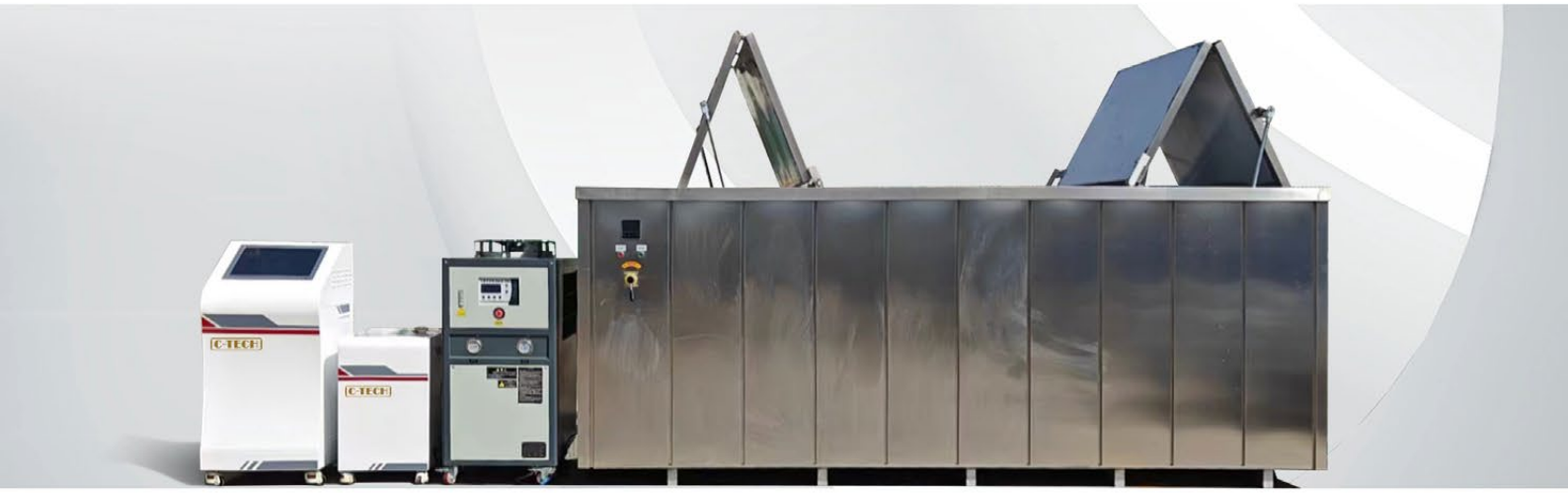
TINPENG

HYDROSTATIC PRESSURE TESTING MACHINE

STANDARD: ISO1167, ASTMD1598, ASTMD1599, GB/T6111, GB/T15560, GB/T18742.1, GB/T13663, GB/T18992.2

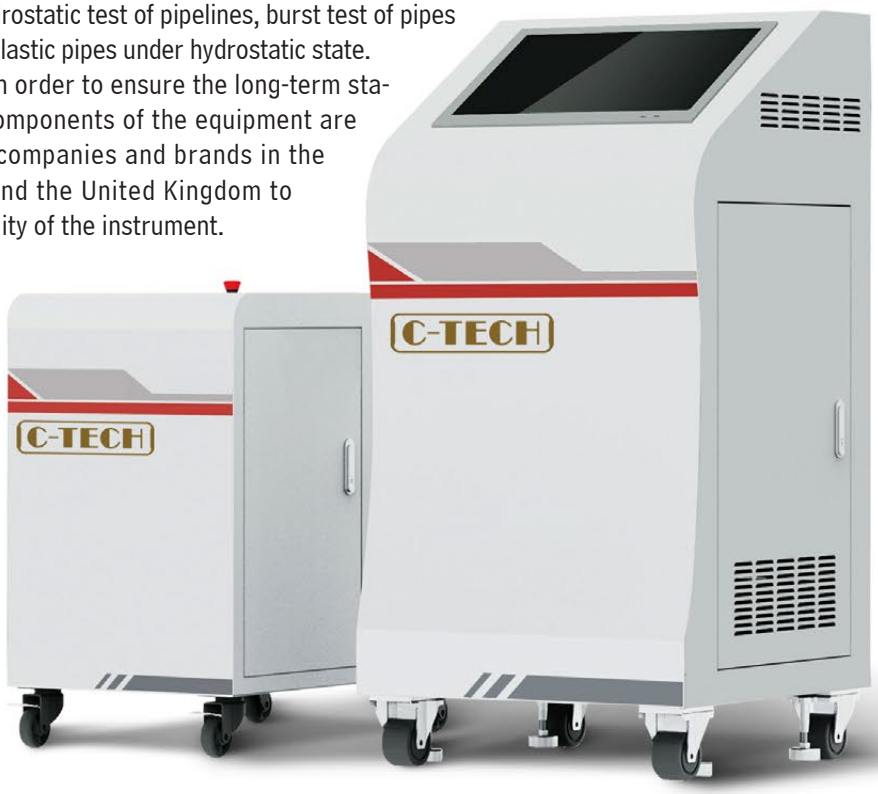
The Hydrostatic Pressure Tester is mainly is suitable for long-term hydrostatic pressure test and short-time hydraulic burst test of thermoplastic pipes, pipe fittings and composite pipes.
The product is divided into three parts: host, water tank, and end-closures. One host can be equipped with two thermostatic water tanks at the same time. High temperature and low temperature tests can be carried out simultaneously.



HOST

FEATURES

- Modular design. The host can control each workstation independently without interfering with each other. One station test will not affect the tests of other stations.
- It has the functions of long-term hydrostatic test of pipelines, burst test of pipes and thermal stability test of thermoplastic pipes under hydrostatic state.
- High precision and high stability. In order to ensure the long-term stability of the instrument, the key components of the equipment are purchased globally from famous companies and brands in the United States, Germany, Japan and the United Kingdom to ensure the high precision and stability of the instrument.
- High reliability. All electrical, mechanical and software parts are equipped with safety protection measures. Such as anti-leakage, anti-short circuit, anti-static, anti-interference, anti-leakage, anti-power outage, anti-misoperation, etc.
- Integrated modular assembly. Each channel is equipped with a micro-control unit and a solenoid valve control unit, which do not interfere with each other. One channel test will not affect the tests of other channels.



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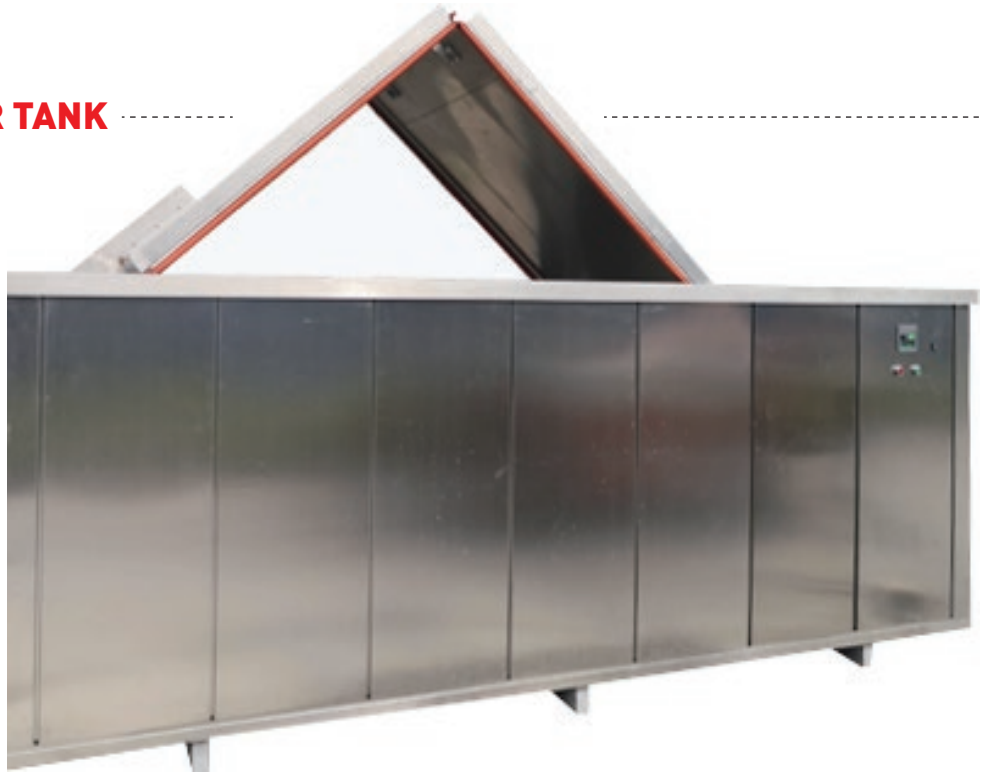
TINPENG

HYDROSTATIC PRESSURE TESTING MACHINE

TECHNICAL SPECIFICATIONS

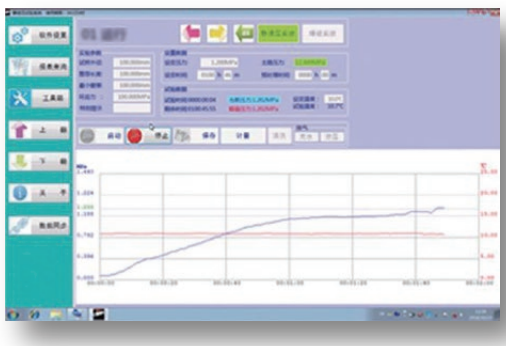
Number of workstations	3 (1~40 channel optional)
Pipe diameter	D16~1000
Timing range	0~9999h59min59s
Timing accuracy	±0.1%
Pressure control range	0.4~10MPa, can be set arbitrarily
Pressure control accuracy	-1%~+2%, can be set arbitrarily
Pressure resolution	0.001 MPa
Measuring range	4%~100%FS
Error	Within 1% of the readings

THERMOSTATIC WATER TANK



FEATURES

- The insulation system uses the inner liner as a whole package insulation. Using two kinds of insulation materials, it has good insulation performance and significant energy saving benefits in long-term use. When the water temperature is 95℃, the surface of the water tank is still close to room temperature, which greatly improves the safety of the whole machine and saves more than 70% of power consumption;
- The pipeline adopts a circulating spray system. The overall pipeline system is made of 304 stainless steel.
- The cover of the water tank is opened pneumatically, and the space used in the laboratory should be sufficient after opening.
- The opening angle (opening size) of the cover can be adjusted as needed, which is reliable, safe and convenient.
- The water tank cover is sealed with a silicone rubber strip, so there is no gas leakage at high temperatures.
- The structural frame of the water tank bottom has a large load-bearing capacity and strong resistance to deformation.



(The test temperature curve is displayed on the host interface)

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HYDROSTATIC PRESSURE TESTING MACHINE

TECHNICAL SPECIFICATIONS

Comply with standards: GB/T 6111, ISO 1167, GB/T 18252, GB/T 15560-95, ASTM D1598, ASTM D1599
It consists of water tank body, circulation system and temperature control system; Temperature control range: 20-95 ℃;

Model	Temperature control accuracy	Channels	Inner size (mm)	Dimensions (mm)	Sample placement	Features	Heating power	Cooling system
HWX-110	±0.5 ℃	The standard configuration is 3 channels, and the number of channels can be configured according to customer needs.	600×400×800	1200×700×1170	Vertical	/	9kW	Equipped with cooling system. 0.7P chiller and corresponding pipeline.
HWX-200			1050×650×650	1640×940×1030	Horizontal	/		Equipped with cooling system. 1P chiller and corresponding pipeline.
HWX-250			1250×800×800	1650×950×1070		Pneumatic opening		
HWX-315/450	±1 ℃		1800×800×800	2500×1100×1300			18kW	Equipped with cooling system. 1.5P chiller and corresponding pipeline.
HWX-500			1900×900×900	2700×1200×1300				Equipped with cooling system. 2P chiller and corresponding pipeline.
HWX-630			2400×1000×1000	3250×1300×1400		Double pneumatic poles, pneumatic opening		Equipped with cooling system. 3P chiller and corresponding pipeline.
HWX-800			3200×1300×1270	3900×1860×1470		Four pneumatic poles, double folding cover	27kW	If cooling system is required, 5P industrial chiller and corresponding pipelines are required.
HWX-1000			3900×1500×1470	4580×2060×1670			36kW	Equipped with cooling system, equipped with 5P industrial air-cooled refrigerator and corresponding pipelines.
HWX-1200			4500×1800×1670	5660×2360×1870				Equipped with cooling system, equipped with two 5P industrial air-cooled refrigerator and corresponding pipelines.

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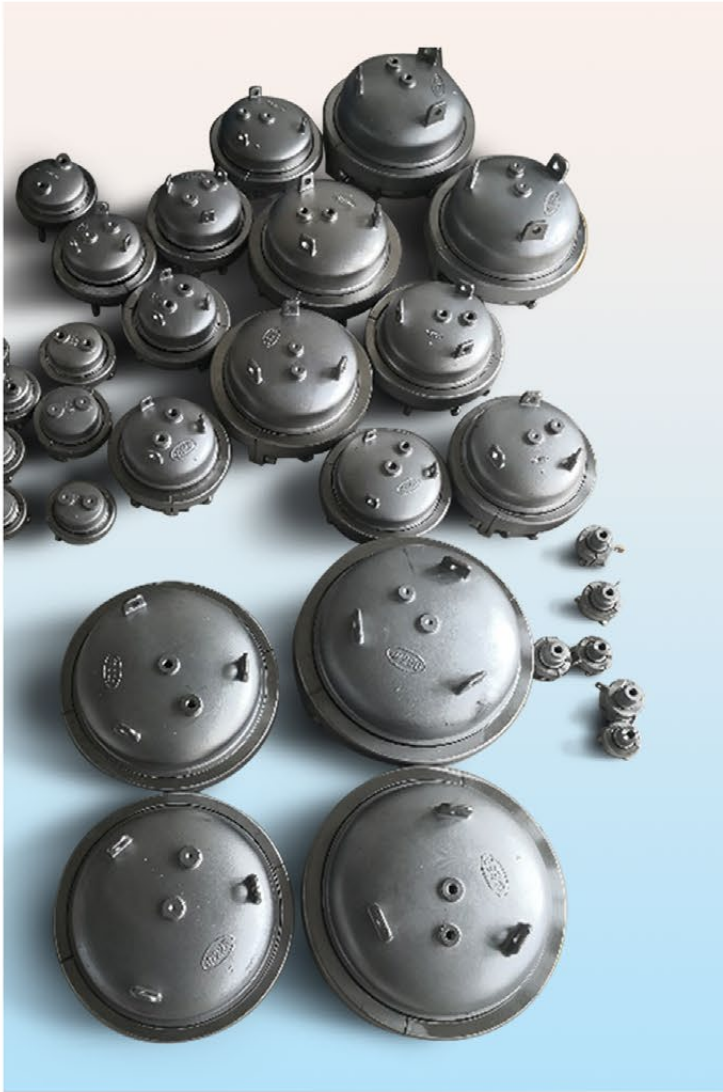
HYDROSTATIC PRESSURE TESTING MACHINE

304 STAINLESS STEEL END-CLOSURE

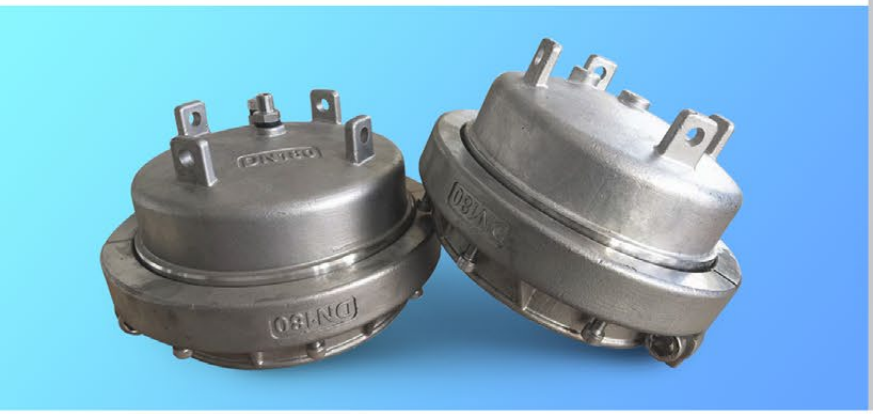
Plastic pipes and pipe fittings sealing end-closures are mainly used for hydraulic tests and negative pressure tests. It adopts radial sealing without tie rods and meets the requirements of ISO, GB and other relevant standards. It can be used for end sealing of various pipes and fittings such as PVC, PE, PP-R, lined steel skeleton composite, etc. It is mainly composed of clamping block, elliptical end, silicone sealing ring, pressure ring and other main components.

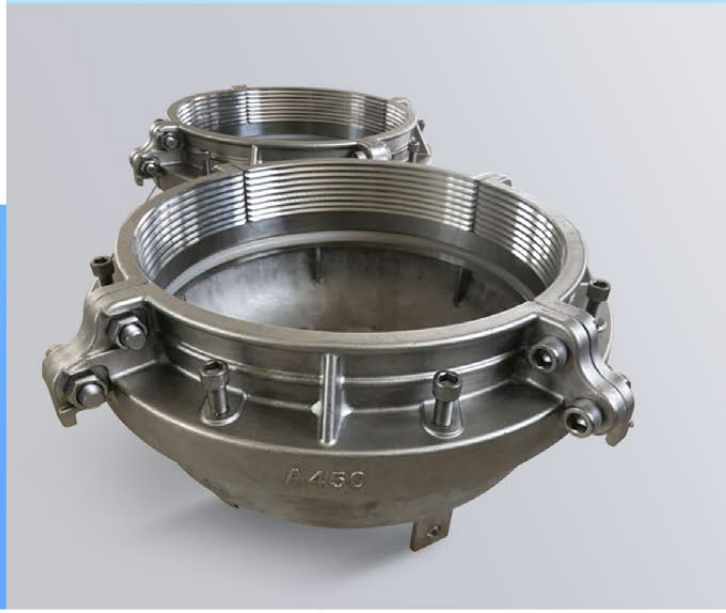


FEATURES

- The split clamping block structure can realize automatic centering and make the pipe and fittings more firmly clamped. The clamping block is designed as a solid structure to ensure strength and clamping firmness, and is easy to handle and assemble.
- During assembly, there is no need for special mounting brackets, and parts over 3kg have structures for safe lifting.
- D16～D1200. It is processed by precision casting, and the seal adopts A-type radial sealing structure. All materials are made of high-quality 304 stainless steel. The stainless steel on the outer surface of the parts is uniform in color and has high strength and corrosion resistance.
- The end of the end-closure is supported by four legs to make the assembly more convenient and to stabilize the sample in the water tank during test.
- This end-closure is a patented product with a simple structure and easy to operate. During the test, the process of first assembly and then sealing was adopted to ensure 100% no leakage.

Model	Size（mm）
16	60*60
20	70*68
25	75*70
32	84*70
40	107*73
50	117*73
63	127*73
75	147*95
90	162*100
110	187*115
125	207*120
140	225*130
160	244*160
180	270*160
200	300*170
225	319*170
250	364*190
280	406*284
315	415*270
355	491*320
400	505*330
450	650*330
500	720*340
560	750*380
630	830*400
710	Customized
800	Customized
900	Customized
1000	Customized
1100	Customized
1200	Customized





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