



Multi-function Valve Test Bench



Detail

Multi-function Valve Body and Connecting Body Strength Test Bench (Model:TPU-3100-DM)

I . Equipment application

"Telide" Multi-function Valve Body Strength Test Machine (Model:TPU-300-DM), is developed independently by our company with independent intellectual property rights. It is an advanced pressure test device which is suitable for flange pipe shell pressure test such as four-way body, three-way body, two-way body; for varieties of safety valve shell hydraulic test; for liquid shell test, backseat test and liquid high pressure seal test of industrial valves, including gate valve, shut-off valve, plug valve, ball valve, check valve and butterfly valve.

II . Main features

1. The clamping table of the equipment has 4 directions of clamping device of up, down, left and right, which is easy to install and clamp various specifications of industrial valves, flange fittings, relief valve body, etc.. The clamping force in 4 directions can be up to 40T each; The top clamping device can be moved along the guide rail which is convenient for lifting and clamping large valves;
2. The clamping pressure source of the equipment adopts Telide gas drive pressurized liquid pump, the pressure is large and can automatically supplement pressure, to ensure the pressure stability of system during the pressure testing process and prevent the valve under test from loosening;

3. The equipment uses liquid as the working medium for detection, and the maximum test pressure can reach 100MPa.
4. The equipment adopts O-ring seal, and users can choose the corresponding O-ring seal according to different valve sizes; It can test the valve with diameter of DN25-400; Rubber pad can be used to seal under low pressure;
5. The pressurization system of the equipment adopts "Telide" gas drive pressurized liquid pump with fast pressure boost and good pressure retention, and can get a continuous and stable pressure source. Equipped with high and low hydraulic pump, low pressure pump can quickly fill the valve cavity of the tested parts, and high pressure pump pressurize fast, to greatly shorten the waiting time and improve production efficiency;
6. The data acquisition and control system of the equipment is equipped with "Telide" liquid testing system software, which can realize automatic multistage pressurization, static pressure experiment, blasting experiment, data acquisition and other functions. The system has been used by many customers for many years, and get praise and satisfaction from customers for its high reliability, high precision and easy operation.

III. Technical parameters

1. Test medium: water;
2. Supercharged drive form: pneumatic;
3. Output pressure: 0-100MPa;
4. Clamping mode: automatic hydraulic clamping;
5. Maximum clamping force: 40 tons;
6. Maximum clamping diameter: DN400mm;
7. The clamping platform has the function of up and down and left and right clamping;
8. Overall size: Supercharger cabinet: about L780* W600* H1200(mm), about 128KG

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