

Plastic Bag&Bottle Pressure Resistance & Burst Testing Machine

ZNY4305

This model (Fig1) is the first plastic BS anti-aging testing machine.

It is mainly applied in the FQC in the raw plastic material factories, and the quality inspection departments, plastic physical capability R&D departments, etc .It is suitable for various plastic bottle pressure test, such as chemistry reagent bottles, drink bottles.

The ZNY series computer controlled plastic bag & bottle pressure resistance burst testing machine is composed of the upper system and the lower system. The upper completes the jobs of sending the instructions, receiving raw data, graph processing, data management, etc and also has the capabilities of auto-saving when power cut and auto-resume after power cut which can ensure the continuity of the long-time test. Prior to the test, the software in the upper system can set the parameters in each route respectively and the curves and results are displayed during test. The lower system get to the target pressure and control the whole cause under the instructions from the upper. And now it can be extended up to 64 routes to test simultaneously which greatly improved the test efficiency. This model conforms to the standards of BSCR and the hydraulic part in SN0449.295.ZNY4305 and it comprises of a control tank a water tank. This device has a reasonable layout. All the pipelines are connected with stainless steel pipes, nice looking and durable. The control tank adopts the AD813 Close-loop Control system which realizes the absolute Close-loop control in the whole system. The middle layer lies the key components: the imported electromagnetic valve, imported accumulator, imported pressure transducer, etc. And the bottom layer is the pressure apply system composed of imported high pressure hydraulic test pump, gas source pipeline, etc. The system has a high pressurizing speed, and pressurizes steadily which can satisfy the long-term cycling pressure test and frequently burst test.



Fig1. ZNY4305

Technical Specifications

	ZNY4305	
Pressure Range	Mpa	0.03~0.1
Pressure accuracy		$\leq \pm 1\%$
Constant Pressure Accuracy		$\leq \pm 5\%$
Constant pressure range		20°C~95°C
Temperature vibration		$\leq \pm 1^\circ\text{C}$
Uniformity of temperature		$\leq \pm 1^\circ\text{C}$
Timer range		0.1min~10000h
Timer accuracy		$\leq \pm 1\%$
Power supply		3ph , 380V,10KW
Dimension	mm	2800×1000×1800