

Fiber Percolation and Textile Downproof Tester

The Fiber Percolation and Textile Downproof Tester evaluates the downproof properties of down products. It is suitable for testing various down-filled items.



Overview

Professional Downproof Testing

This specialized instrument is designed to evaluate the anti-drilling properties of down products by simulating real-world wear conditions. Utilizing a rotating drum mechanism with controlled abrasion, it effectively tests fabrics used in garments, bedding, and other down-filled applications. The system features precise computer-controlled operation, an automatic shutdown alarm, and a robust stainless steel construction to ensure reliable quality control results.

Technical Specifications

Rotary Box Size	450 × 450 × 450 mm
Rotary Speed	45 r/min
Rotation Setting Range	1 ~ 9999 times
Power Requirements	AC 220V ± 10%, 50Hz, 200W
Machine Dimensions	850 × 650 × 800 mm
Machine Weight	60 kg

Testing Components

Rubber Ball Specifications

Parameter	Value
Quantity	10 per box
Hardness	45 ± 10
Weight	140 ± 5g
Material	Butyl rubber

Key Features

Core Functionalities

- Computer processor control with automatic shutdown alarm
- LED liquid crystal display with calibration system
- Transparent polyacrylonitrile safety cover for easy observation
- Durable 316 stainless steel construction
- Positive and reverse rotation capability

Compliance

Standards Compliant

GB/T 12705