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Leak Tester Catalog

High-precision inline leak testing system engineered for dependable quality control of plastic containers. The LT-1ED delivers accurate, high-speed inspection while seamlessly connecting to blow molding and downstream production lines.



Designed for automatic online inspection of empty containers, the LT-1ED ensures accurate leak detection and consistent quality control throughout production. This model is completed with a single test-head and a conveyor for smooth and reliable inline operation. It integrates directly with blow molding machines for PE, PP, PVC, and PET containers and is widely used in refill lines, automotive component testing, and electrical product waterproof verification.

Specifications:

Leak Tester Model LT-1ED

Specs		LT-1ED
Test Object		Empty containers
Test Sensitivity		0.1 mm pin hole or equivalent leakage
Typical Test Speed	500cc Bottles ≤	1500/hr
	2L Bottles	1200/hr
	4-5L Bottles	900/hr
	18L Tank	450/hr
Belt Conveyor		Variable speed conveyor controlled by AC inverter.
Power Consumption	Single Phase Supply	200-240 Volt. AC 2 Amp. (Other voltage on request)
	Pneumatic Supply	4-6 Bar

Application

Connection with blow molding machine in the production of PE, PP, PVC and PET containers. Automatically online inspection of products. Other applications, such as drinking water bottle refilling line inspection, automobile parts testing and electrical appliance waterproof requirements check are widely used.

Test Circuit

Pressurize system, differential pressure analysis system monitoring pressure depletion in thousandth of a psi. Bottles are pressurized to test at 0.25 psi to 0.3 psi (can achieve higher pressure on customer request).

Test Head

User should specify range of test pieces. A few samples or submission of complete sketches of dimensions of the bottle test pieces will assist us in selection of matched test-head.

Optional Devices

1. Inlet buffers on conveyor; ensure smooth bottles transferred from blow molding machine.
2. Rejection cylinder applies to heavy bottles, ensure the leakage rejection effective.