LEAK TESTING FOR SINGLE-USE SYSTEMS

Standard & Custom Solutions for the Biopharma Industry

LACO TECHNOLOGIES

MORE INFO

SINGLE-USE BIOPROCESS BAGS

Single-use bioprocess bags demand rigorous integrity testing to guarantee compliance with the highest manufacturing standards to safeguard the products processed and shipped in these containers. For effective leak detection and prevention of microbial ingression, the industry has widely embraced helium leak detection as the most sensitive method. For many single-use products, the accepted industry standard sets a maximum allowable leak limit (MALL) of a 2-micron equivalent hole size.

Why Choose Us

In 2012, LACO took the lead in pioneering the development of integrity leak test protocols and methods specifically designed to reliably detect defects in single-use bags.

Our cutting-edge technology has been successfully deployed at numerous leading manufacturing facilities worldwide. We are committed to upholding the highest quality standards and providing reliable solutions.

1 Standard Platform Systems

LACO's unique standard platform single-use bag leak test systems include these key features:

- Helium hard vacuum testing method
- Test 2D bags from 50 ml to 50 L in a universal chamber
- Detects 2um hole equivalent or larger (MALL)
- Fast throughput speed of up to 1 bag per 90 seconds
- Interchangeable, easy-to-use quick connectors
- Clean Room compatible with stainless steel construction
- Dry vacuum pumps

2 Configure Your Standard System

Single-chamber or **Dual-chamber systems**

- Choose between a single-chamber or dual-chamber system to meet your throughput requirements.

Allen Bradley or **Siemens PLC**

- Choose which controller will be the best for your application.

3 Choose Your Options & Accessories

- Integration to MES
- Data logging
- NRTL/UL/CE and other certifications
- Barcode scanner
- Adjustable test chamber height

OUR CUSTOM SYSTEMS

Enjoy the freedom of our custom-designed systems. At LACO, our engineers excel at tailoring solutions to meet your unique requirements. We take pride in crafting systems that are perfectly matched to your specific needs.

2D & 3D Single-Use Bags

LACO can create custom systems capable of testing even the largest 2D & 3D single-use bioprocess bags up to 1000 L in volume.

Custom Chamber Designs

LACO can create test chambers of any size or shape designed to perfectly fit your single-use bags.

Bag Port Testing

Single-use bags are not only susceptible to leaks in the bag itself but also the port seals. We have developed automated leak test systems just for port seal leak testing.

Other Component Testing

LACO can not only leak test your single-use bags, but your manifolds, connectors, and other single-use components.

Contact LACO To Discuss Your Single-Use Leak Test Requirements

LACO TECHNOLOGIES

At LACO Technologies leak testing and vacuum technology are our core. With over 45 years of industry experience, we connect applications with engineered solutions to meet your specific requirements.

Our products include turn-key production leak test systems, helium leak detectors, calibrated leak standards, and vacuum technology solutions.

Choose LACO as your trusted partner and access our deep engineering expertise, innovative solutions, and global support network.

LACO serves customers across the United States and internationally. With decades of engineering experience, LACO is uniquely situated to provide innovative solutions for vacuum and leak testing applications.

LACO serves numerous markets including Automotive & Transportation, Consumer Products, Electronics & Semiconductors, Medical & Pharmaceutical, Aerospace & Defense, Power & Energy, Laboratory/R&D, Refrigeration & A/C, and many others.

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3085 West Directors Row, Salt Lake City, UT 84104 | 801-486-1004 | info@lacotech.com | www.lacotech.com