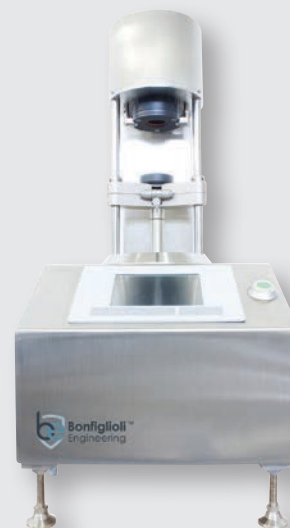




LF-400A

Leak Tester

Off-Line Machine for Non-Invasive, Non-Destructive Integrity Inspection for laboratory and in process control applications for filled Aerosol Can.



HIGHLIGHTS



- Quick and sensitive test
- Compact & maintenance free
- Vacuum testing
- Fast, reliable and repeatable results
- Applicable to any type of pharmaceutical containers
- Highly functional, intuitive HMI
- Cost-effective solution

TECHNICAL FEATURES



Container Application: Filled Aerosol, Monobloc, MDI

Products: Liquid

Container Dimensions: From Ø 8 x 25 mm (h) to Ø 65 x 300 mm (max)

Speed: Up to 4 cpm

Technology: CCIT

Inspection Features: Non-Invasive, Non-Destructive CCIT based on Vacuum Decay Method

Inspection Capabilities: Microleaks detection

ADDITIONAL BENEFITS



- Easy to clean – no hidden corners
- Quick format change
- Low power consumption
- Real time display of testing cycle diagrams, statistical raw data
- Easy, quick and safe remote access
- Barometric Compensation system to avoid any vacuum level reading variations
- Storage of records: maintenance, production, alarms

TECHNOLOGY



Container Closure Integrity Testing is a non-destructive measurement technology based on **Vacuum Decay Method**.

Measurement system comprises applying a pressure differential into an airtight testing group enclosing the container.

The test objective is to detect container leakages by measuring the reached pressure level as well as the pressure change over test time.

QUALITY ASSURANCE



Equipment test method refers to:

- Approved industry standard **"ASTM F2338-09"**: "Standard Test Method for Non-Destructive Detection of Leaks in Packages"
- United States Pharmacopoeia – **USP General Chapter «1207» "Packaging Integrity Evaluation"**
- EU Guidelines to **GMP Medicinal Products for Human and Veterinary Use – Annex 1** "Manufacture of Sterile Medicinal Products"
- **PDA Technical Report No. 27** "Pharmaceutical Package Integrity"
- **FDA 21 CFR part 11** as well as **EMA Annex 11**
- Specifications on Chapter 3 of **"FEA Guide on Hot Water Bath Testing and its Alternatives"**
- Machine Measurement System follows the approved industry standard **"UN/SCETDG/24/INF.49"**