WILCOMAT® FM/V
Leak Detection on flexible Packaging

WILCOMAT® FM/V is a non-destructive and tool-less Leak Detector for a wide range of flexible packaging with dry filling such as bags, pouches, flow-warp packages and more.

The operator manually loads the products into the test chamber. The tool-less test chamber hermetically seals the packaging by creating a vacuum. The WILCOMAT® FM identifies gross or fine leaks quickly and accurately by analysis of pressure profile in just seconds.

During the leak testing process, the test parameters and the test results are displayed on the color touch screen.

Key Benefits

- Non-destructive leak testing on flexible packages by vacuum decay
- No format parts – no change over
- Deterministic test method, which provides reproducible results
- Test sensitivity to detect fine leaks ≥10 µm

Additional important Features

- Ease of operation
- Packaging is not stressed during the test
- Short cycle time (5-6 test cycles/min)
- Sampling of single or multiple packaging
- Compact design with easy cleanability
- Immediate indication of leak rate
- Automatic data recording for statistical evaluation of measurement results
- Mobile stand-alone solution for different applications in a variety of production lines
- User friendly and clearly arranged color display with touch screen panel
- USB connection (data export, printer)
- Bar code reader for quick user and product selection
- Complete validation documentation available
Measurement Options
Leak detection on dry filled bags, pouches and flow-wrap packages

Mode of Operation
The principle of operation is also simple and accurate. The chamber consists of two highly elastic membranes. By creating a vacuum, these membranes enclose the tested package tightly. The device analyzes the pressure increase in a few seconds. The test results are recorded immediately and displayed on a touch screen.

Further Applications / Technologies of WILCO Systems

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Wilco AG is an innovative and reliable partner with more than 40 years of experience in quality assurance technologies and provides worldwide support and distribution network.

WILCO AG
Rigackerstrasse 11
5610 Wohlen / Switzerland
Phone: +41 56 618 43 43
info@wilco.com  www.wilco.com