

LEAK TEST MACHINE

for metal drums 190÷215 Litres

Using Helium as trace gas
(according Intl. Transportation and Safety Rules)
or simply AIR



Automatic leak-testing system for

METAL DRUMS based on Helium Mass Spectrometry

The testing process complies the **EN ISO 20485.B6** standard (integral test), and is performed into a vacuum chamber with the product pressurized with :

- injected **Helium (for Hi-sensitivity)**
- simply **AIR**

The machine provides the automatic handling of the drums and the rejecting on a separate way after the testing process.

Supporting platforms and height compensating devices, provide the securing of the high differential pressure arising during the test, avoiding permanent damages on product.

The test can be performed on

- closed-cups drums with assembled taps
- closed-cups drums, without taps
- open top drums

The machine consists of a robust frame carrying the test chamber, the vacuum pumping group and the measuring system.

The machine can be set in single chamber system, double chamber system or multiple of the single.

A PLC unit manages the equipment functions, while the HMI is demanded to the touch screen LCD display of powerful Operator Panels.

Technical Specification

Drums dimensions	Ø max 585 mm. Min 840 to 1040 mm height
Test Pressure	100 kPa
Test gas consumption	He 0,5 ÷ 2% (1 to 4L)
Min Detectable Leak	0,02 mm with Helium 0,2 mm with Air 0,5 mm Open Top model
Max Productivity	360 DPH single chamber 720 DPH double chamber 900 DPH triple chamber
Noise Level	L_{Eq} 75 dB A (machine only)
Power Supply	400V 3x50/60Hz, 34 kW single chamber 46 kW double chamber

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INDUSTRIAL LEAKTESTING SYSTEMS

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