

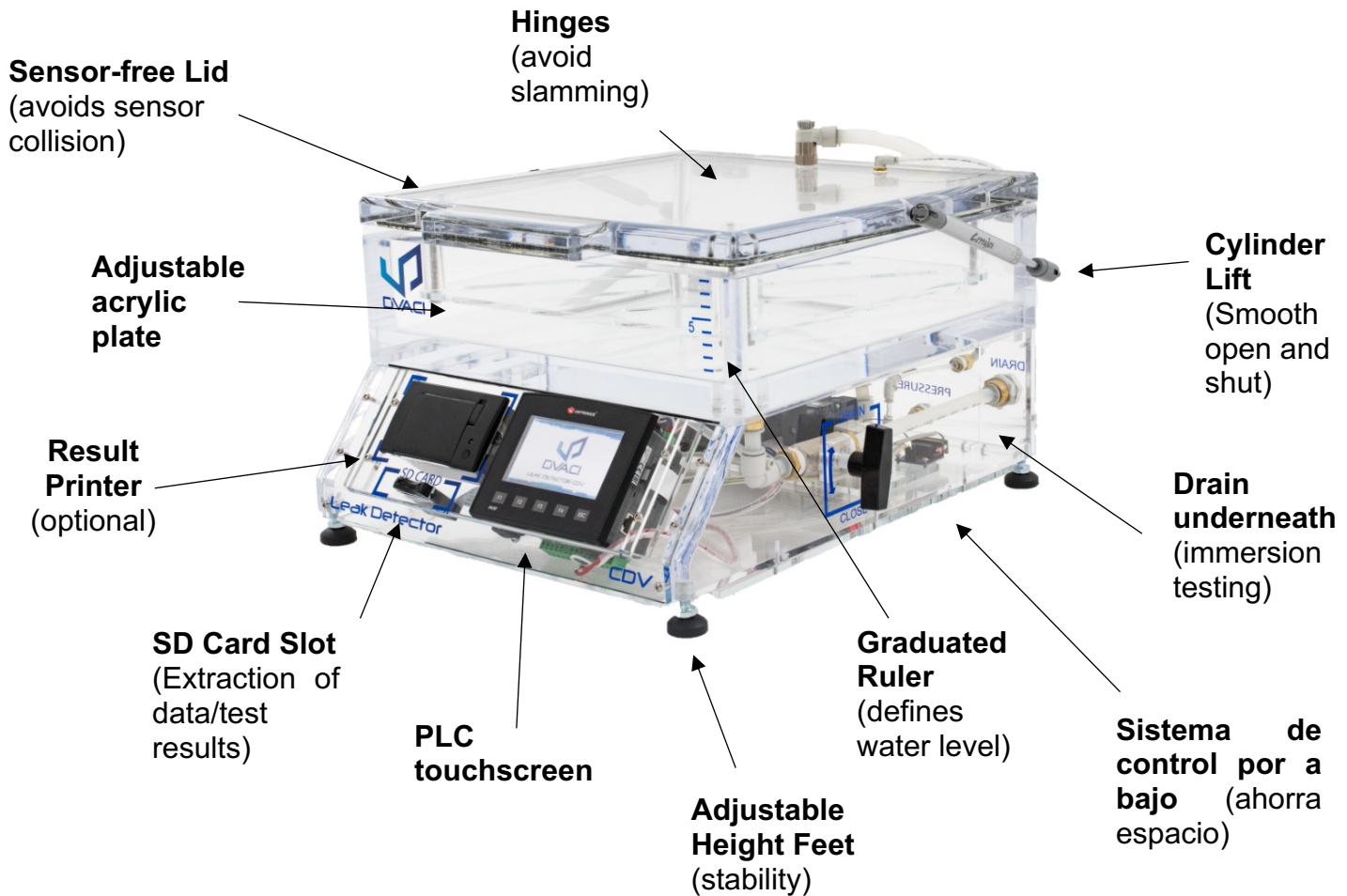


DVACI

**Leak Detector for
Pharmaceuticals**

CDV PHARMA





Water Saver

Only requires 1-3 liters of methylene blue solution.

Adaptable

Adjustable acrylic plate can be placed from 1.5 to 5 cm down, depending on quantity and sample size.

Accurate

Vacuum level can be adjusted with accuracy thanks to its digital sensor and also vacuum speed application can be adjusted with a flow regulator placed on the chamber's lid.

Convenient

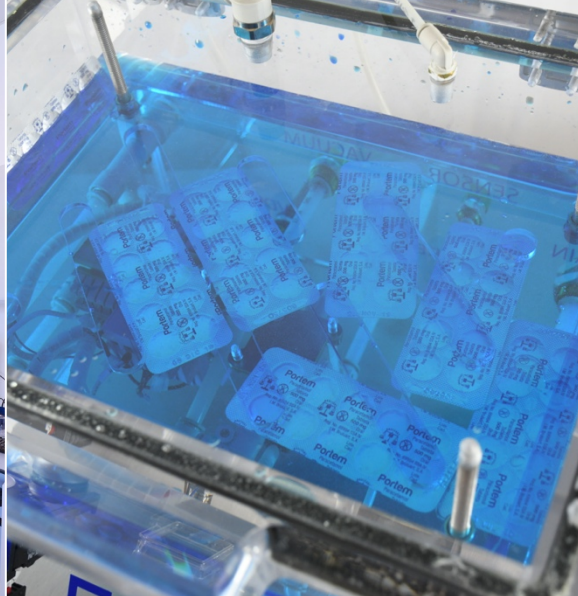
It's draining system makes emptying out the blue methylene an easy job.

Safe

Risk-free and safe opening of lid.

Simple

Intuitive operation and easy start-up.



PRESENTATION

CDV Pharma has a quick programming system through a touchscreen that allows saving settings for norms and cycles. The user places the products inside the chamber and selects the desired norm. All the test cycle is automatic.

CDV Pharma vacuum chambers include an SD card slot through which data can be extracted on to EXCEL and update PLC applications. A thermal printer for tickets and a barcode scanner can be optionally included.

Vacuum is generated by a Venturi system integrated in the chamber that requires a compressed air supply. If this energy is not available, our alternate version includes an electric vacuum pump.

The vacuum creates a difference in pressure between the inside and outside of the sample. If the product has a leak, the blue methylene solution will be able to permeate the sample.

CDV Pharma was designed to optimize the use of blue methylene solution in leak testing.

A simple, repeatable and reliable method to ensure seal integrity of your packages and containers, the CDV Pharma chamber makes detection of even the smallest leaks a possibility.

OPTIONAL

- Thermal printer
- Barcode Scanner
- IQ/OQ Report

NORMS

- CFR 21 part 11
- MGA 0486 FEUM
- USP 1207 CCIT
- ISO 8871-5



A SMART SCREEN

CDV PHARMA vacuum chambers are built with a PLC touchscreen where vacuum level and time can be set and controlled through a user-friendly, advanced interface. Access to the program is password protected. Up to 40 users can be registered with personal passwords for each.

The PLC touchscreen functions similarly to a Smartphone with apps. The system runs with three preinstalled applications and more can be added upon customer request and or necessities.

Quick Test

As its name describes, it is a test where vacuum level and time is set immediately without preprogramming, an “on the spot” test ready to go.

Programmable Recipes

Up to 99 recipes can be saved. Each recipe can be set with a personalized name and corresponds to one test cycle of 1 to 4 phases. For each phase, a vacuum level and time is set.

The user must only click on the name of the recipe and the vacuum chamber will begin test cycle as it has been programmed.

Transport Simulation

The chamber can simulate a negative atmospheric pressure difference.

The user enters altitude of the departure point (elevation) as well as the altitude of destination point, and this app will automatically calculate de vacuum level that will be applied to test and simulate this transportation.

Farmacopea FEUM MG048 Norms

This app has the 5 Farmacopea methods for vacuum chamber leak testing on pharmaceuticals programmed into it. The user selects the desired Norm and the screen will indicate next steps to take. Vacuum level and time are preset and are controlled automatically. Furthermore, vacuum application speed may be adjusted to speed required by norm thanks to its flow regulator.

Others

Do you require another application for your chamber? We can develop custom-made apps for you.

TECHNICAL FEATURES

Modelo	CDV PHARMA
Test Principle	Visual
Unidades disponibles	InHg, mmHg, mbar
Interior Dimensions*	280 x 200 x 76 mm or 450 x 300 x 76mm
Weight	12kg
Sensor	Digital Sensor from 0 to -1 bar
Warranty	1-year renewable warranty
Vacuum generator	Venturi (Electric Vacuum Pump option)
Necessary Compressed Airline (Venturi)	From 4 to 5 bar
Vacuum and Time Control	Automatic
Material	PMMA (Polymethyl methacrylate)
Voltage	110 Vac, 220 Vac
Connections	Connection port for hose 8 \varnothing for compressed airline. Connection port for hose 12 \varnothing for water supply and drain.

*Different dimensions are available upon request.



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