DVACI

Leak detector for packages and containers

CDV BT PVVI

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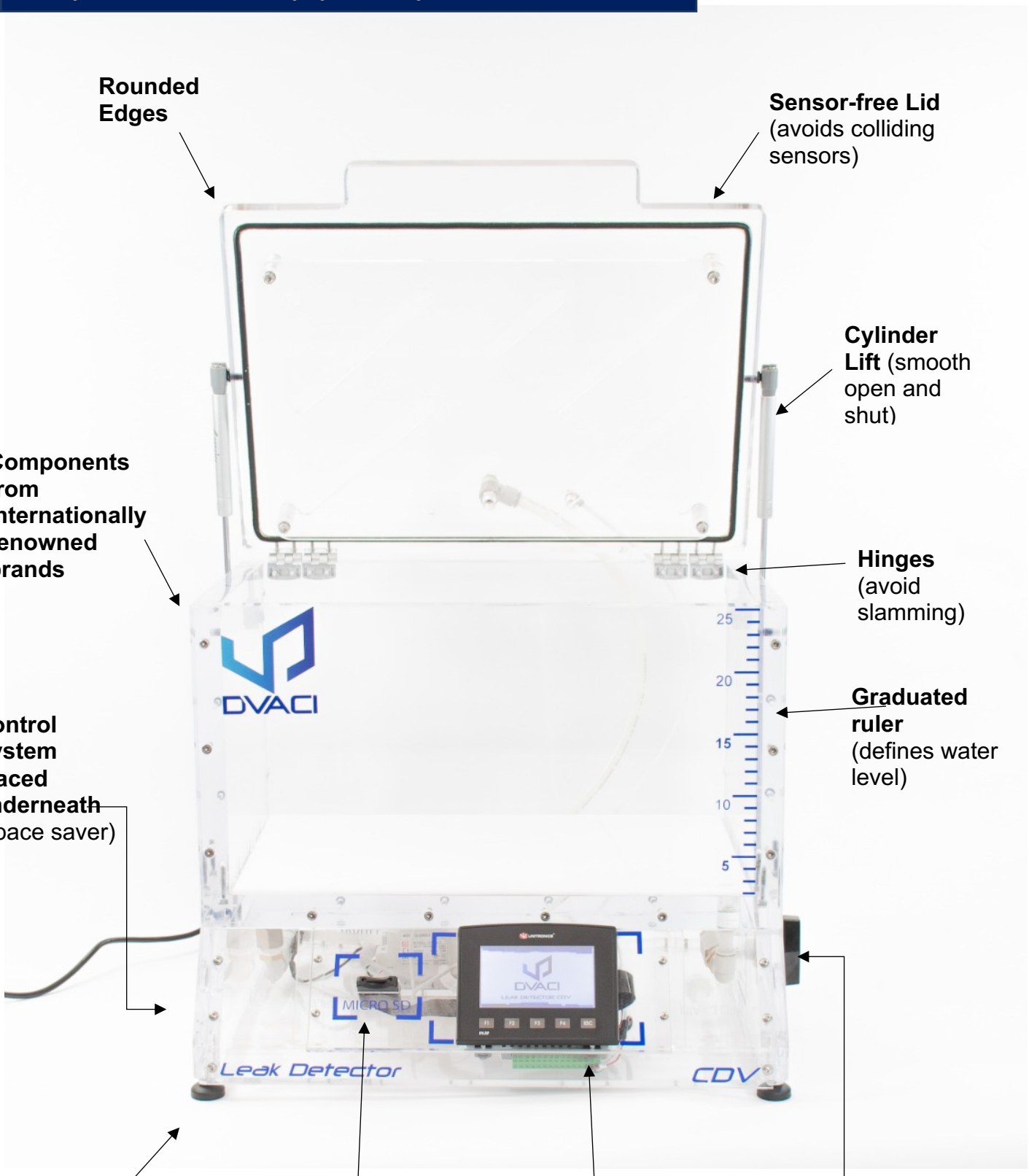
CDV BT PVVI Vacuum



Rounded Edges

Sensor-free Lid (avoids colliding sensors)

Cylinder Lift (smooth open and shut)

Components from internationally renowned brands

Hinges (avoid slamming)

Graduated ruler (defines water level)

Control System placed underneath (space saver)

Adjustable Height Feet (stability)

SD Card Slot (Extraction of results)

PLC Touch screen

Drain placed underneath (Immersion Testing)

PRESENTATION

CDV BT PVVI vacuum chambers have a touch-screen setup system where test cycles can be programmed instantly. The operator places products inside the chamber starts the cycle and can be focused on observing the samples during the test cycle.

CDV BT PVVI vacuum chambers include an SD Card Slot that allows the extraction if test results on an EXCEL file and update the Firmware of the PLC touchscreen.

Vacuum is generated by a Venturi system integrated in the chamber fed by a compressed air supply. If this energy source is not available, another version of this model includes an electric vacuum pump.

The vacuum creates a difference in pressure between the inside and outside of the specimen or sample. During an immersion test, bubbles are visible emanating from a leak, while doing a dry test, a liquid spill or drops will be visible in a case of a leak.

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

OPTIONS

- Thermal Printer
- Barcode Scanner
- Needle and Patch Kit for Vacuum-packed goods.

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A SMART SCREEN

CDV BT PVVI 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 it's 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. Fo each phase, a vacuum level and time is set.
The user must only click on the name of the récipe 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.

Others

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

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3 AVAILABLE SIZES

	Interior Dimensions (mm) (LxWxH)	Interior Dimensions (in) (LxWxH)	Total Dimensions (mm) (LxWxH)	Total Dimensions (in) (LxWxH)	Aprox. Weight (kg)	Maximum Vacuum (- Mbar)
CDV2 PVVI	280 x 200 x 200	11" x 8" x 8"	330 x 320 x 380	13" x 13" x 15"	15	980
CDV3 PVVI	450 x 300 x 250	18" x 12" x 10"	500 x 420 x 430	20" x 16" x 17"	30	800
CDV4 PVVI	500 x 350 x 350	20" x 14" x 14"	580 x 500 x 560	23" x 20" x 22"	50	900

TECHNICAL FEATURES

Model	CDV BT PVVI
Principle of Test	Visual
Available measurement units	InHg, mmHg, mbar
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 ⌀ for compressed airline. Connection port for hose 12 ⌀ for water supply and drain.
NORMS	ASTM D3078, ASTM D6653, ASTM D4991, ASTM D5094, ASTM D4169, ASTM F2096, CFR21 part 11

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