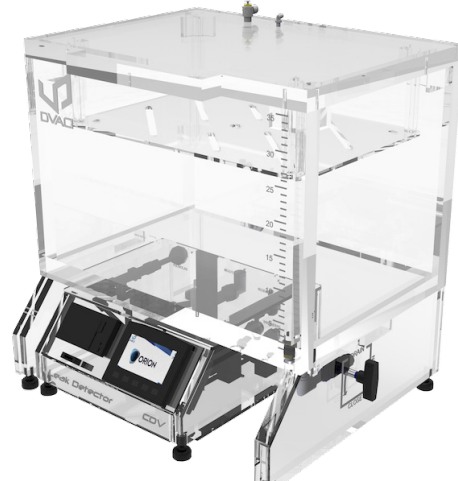


# DVACI Leak Testing Equipment

## Leak Detector



### What is a CDV Vacuum Chamber?

The CDV Vacuum Chamber is a state-of-the-art instrument for packaging leak testing and atmospheric pressure variation simulation. Designed for a wide range of industries and applications, the CDV Vacuum Chamber features an advanced control system and customized test profiles to meet your specific needs.

### Features

- **Visual Detection of Leaks** allows to easily identify the point of failure of your samples.
- **Easy Immersion Testing** equipped with a immersion grid, a draining system and a graduated ruler for water level.
- **Lid designed for risk-free**, easy access with cylinder lift and hinges.
- **Versatile and adaptable** design for various industries and applications.
- **Acrylic Vacuum Chamber** available in 5 standard sizes + 2 sizes for CDV Pharma
- **Integrated venturi vacuum** generator guarantees a reliable vacuum source.
- **Electronic vacuum regulator** allows programming of different vacuum levels, offering flexibility and repeatability for various processes.
- **Ready-to-plug vacuum pump** compatibility, with an optional pump available for seamless integration.
- **Quick connector vacuum** and sensor outlet simplifies setup and operation.

### Available Models

#### CDV 2



inside tank dimensions  
28 x 20 x 20 cm  
11" x 8" x 8"

weight  
19 Kg  
42 lbs

maximum vacuum  
at sea level  
-980 mbar  
-28.9 inHg

#### CDV 3

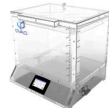


inside tank dimensions  
45 x 30 x 25 cm  
18" x 12" x 10"

weight  
38 Kg  
84 lbs

maximum vacuum  
at sea level  
-900 mbar  
-26.5 inHg

#### CDV 4



inside tank dimensions  
50 x 35 x 35 cm  
20" x 14" x 14"

weight  
42 Kg  
92 lbs

maximum vacuum  
at sea level  
-750 mbar  
-22 inHg

#### CDV 5

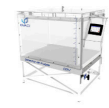


inside tank dimensions  
60 x 50 x 40 cm  
24" x 20" x 16"

weight  
105 Kg  
232 lbs

maximum vacuum  
at sea level  
-950 mbar  
-28 inHg

#### CDV 6



inside tank dimensions  
80 x 60 x 50 cm  
31" x 24" x 20"

weight  
175 Kg  
387 lbs

maximum vacuum  
at sea level  
-750 mbar  
-22 inHg



# How Can CDV Vacuum Chamber Be Used?

## Flexible Packaging Integrity Testing

- Conduct industry-standard tests such as ASTM D3078 and ASTM F2096
- Assess seal strength and detect leaks for optimal product shelf life
- Maintain product quality and ensure airtight seals for various packaging types

## Altitude Simulation

- Perform reliable altitude simulation tests in compliance with ASTM D6653
- Evaluate packaging performance under various altitude conditions
- Ensure product protection and safety during transportation and storage

## Rigid Container Leak Testing

- Conduct ASTM D5094 and ASTM D4991 tests to evaluate and detect leaks in rigid containers
- Prevent potential contamination or product loss in liquid-filled containers
- Uphold the highest quality standards for a wide range of industries

## Pharmaceutical Packaging Testing

- Adhere to industry standards such as USP <381>, USP <1207>, Eur. Ph. 3.2.9, JP 7.03, ISO 8871-5, and MGA 0486 from FEUM
- Ensure that pharmaceutical and medical packaging solutions meet or exceed healthcare industry requirements
- Guarantee product safety and quality for patients and consumers

## DVACI Test Method

- Benefit from our experience as an equipment manufacturer, catering to a wide range of testing requirements across industries
- Access test methods that go beyond ASTM standards, ensuring the versatility of our CDV Vacuum Chambers
- Stay ahead of industry needs with our commitment to continuous learning and adaptation.

## Standard Test Methods

- ASTM D3078 Flexible packaging Leak Test
- ASTM F2096 Bubble Leak Test
- ASTM D6653 Transportation Test
- ASTM D5094 Rigid Container with Liquids
- ASTM D4991 Empty Rigid Container

## Pharma:

- USP <381>, USP <1207.2> ,
- Eur. Ph. 3.2.9, JP 7.03, ISO 8871-5
- MGA 0486 (FEUM)

