

DVACI CDV Pharma

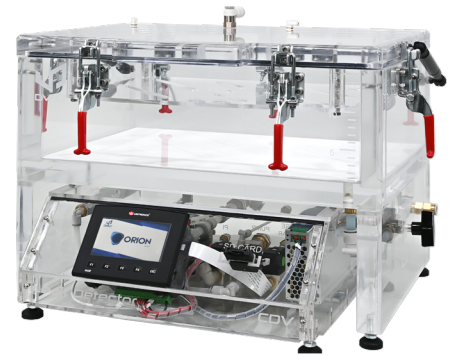
Leak Detector

VACUUM + PRESSURE

Precision, flexibility, and traceability in leak detection testing.

Package integrity testing is a critical element in ensuring the safety, stability, and shelf life of pharmaceutical products. The CDV Pharma is a leak detection system designed to perform reliable testing through dye penetration methods as well as vacuum and pressure-based tests, in compliance with major international pharmaceutical standards.

The system architecture integrates an optimized vacuum chamber, an independent control module, and a PLC-based automation platform, ensuring process stability, electronic protection, and operational flexibility.



APPLICATIONS

- Leak detection in rigid and flexible pharmaceutical packaging.
- Ampoules, vials, bottles, blisters, and sealed packages.
- Dye penetration testing using methylene blue.
- Vacuum testing, internal pressure testing, and external pressure testing.

REGULATORY COMPLIANCE

- USP <1207.2>
- USP <381>, JP 7.03
- ASTM D3078
- ASTM F2096
- European Pharmacopoeia 3.2.9
- MGA 0486 (FEUM)
- 21 CFR Part 11 (optional)

KEY FEATURES

- Vacuum chamber with increased internal height.
- Reduced dye consumption.
- Independent control module.
- PLC-based control platform.
- Touchscreen with an intuitive graphical user interface.
- Advanced user and permission management.
- Automatic storage of test results.
- Data export in digital formats.
- Integration with external systems.



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SPECIFICATIONS

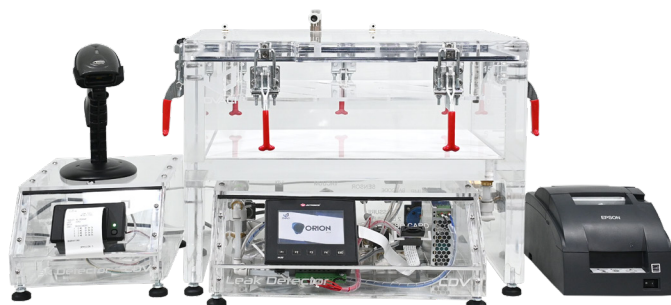
	CDV Pharma V&P	CDV Pharma
Application	Vacuum + Pressure	Vacuum
Operating System	ORION (DVACI development)	
ASTM Standards	D3078, D4991, D5094, D6653, F2096	D3078, D4991, D5094, D6653
Pharmaceutical Standards	USP <1207.2>, USP <381>, JP 7.03, Mexican Pharmacopoeia MGA 0486, (FEUM), European Pharmacopoeia 3.2.9	
New Methodology	Methylene Blue with combined vacuum and pressure application	N/A
Vacuum Generation	Hybrid Venturi	
Maximum Supported Vacuum	-900 mbar / -26.5 inHg	
Maximum Internal Pressure	2 bar / 59 inHg	N/A
Maximum External Pressure	500 mbar / 14.7 inHg	N/A
Vacuum Source	Pump 110/220 v or Venturi	
External Pressure Source	Compressed air	N/A
Internal Pressure Source	Water system	N/A
Chamber Material	Clear acrylic 30 mm thick	

Chamber Options	CDV2	CDV3
Internal Dimensions (L x W x H)	280 x 200 x 150 mm 11" x 8" x 5.9"	450 x 300 x 150 mm 18" x 12" x 5.9"
Chamber Weight	16 kg	30 kg
Power Supply	110-220 VAC	
Compliances	CE	
Equipment Warranty	12 months	

Design and Construction

The DVACI CDV Pharma features a compact, robust, and modern design, suitable for pharmaceutical industry environments.

The chamber allows clear visual inspection throughout the entire test cycle, while the modular design simplifies installation, maintenance, and future system configurations.



The CDV Pharma ensures the integrity of pharmaceutical packaging—test after test.



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