

TECHNICAL DATA SHEET

Levon[™] VCD Vapor Deposition System

Substrates up to 150 × 150 mm · 6 mm substrate chamber · ultimate pressure <0.5 Pa · 90 m³/h vacuum pump · 7-inch touchscreen



Levon[™] VCD Vapor Deposition System — Representative Configuration

The Levon[™] VCD Vapor Deposition System is a compact vapor deposition system with a vacuum pump, a Pirani gauge and a side-mounted flow meter. Image shown for reference; final configuration is confirmed in the quotation.

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SECTION I

Product Overview

Levon™ VCD Vapor Deposition System is a vapor deposition system for substrates up to 150 × 150 mm, with a substrate chamber height of 6 mm, an ultimate pressure of <0.5 Pa and a 7-inch touchscreen display.

The VCD is equipped with a vacuum pump with a pumping speed of 90 m³/h (from atmosphere to 1 Pa in 12 seconds) and reaches an ultimate pressure of <0.5 Pa; a Pirani gauge provides the vacuum readout. The maximum substrate size is 150 × 150 mm (other sizes available upon request) and the substrate chamber height is 6 mm. On the VCD, heating is customizable and a side-mounted flow meter has a range of 0.1–1 L/min. It is operated from a 7-inch touchscreen display. The unit has a compact design, measuring 300 × 372 × 300 mm (W × D × H) with a weight of 15 kg, and it is packed in a paper case.

SECTION II

Core Advantages

- **Compact design** External size of 300 × 372 × 300 mm and a weight of 15 kg.
- **Touchscreen control** 7-inch touchscreen display.
- **Pirani gauge** Pirani gauge for the vacuum readout; ultimate pressure of <0.5 Pa.
- **Customizable heating** Heating is customizable; the heating configuration is confirmed on the quotation.
- **Vacuum pump** Equipped with a vacuum pump: pumping speed of 90 m³/h, from atmosphere to 1 Pa in 12 seconds.
- **Side-mounted flow meter** Side-mounted flow meter with a range of 0.1–1 L/min.

SECTION III

Specifications

Technical data — VCD

Specifications	
Parameter	Specification
Brand	Levon™ by ACS Material
Product Name	Levon™ VCD Vapor Deposition System
Model	VCD
SKU #	LVVCD000
Product type	Vapor deposition system
Maximum substrate size	150 × 150 mm (other sizes available upon request)
Substrate chamber height	6 mm
Heating	Customizable
Vacuum pump	Equipped
Pumping speed	90 m ³ /h (from atmosphere to 1 Pa in 12 seconds)
Ultimate pressure	<0.5 Pa
Vacuum gauge	Pirani gauge
Side-mounted flow meter range	0.1–1 L/min
Display	7-inch touchscreen display
External size [W × D × H]	300 × 372 × 300 mm
Weight	15 kg
Packing	Paper case
Warranty	1-year product warranty

Scope of delivery

- **Standard configuration:** one VCD main unit, paper case.
- **Utilities and scope** — the power input, the heating configuration, the gas supply and the scope of supply are confirmed in the quotation.

SECTION IV

Applications

For laboratory vapor deposition on substrates up to 150 × 150 mm (other sizes available upon request) in a 6 mm high substrate chamber, under vacuum with an ultimate pressure of <0.5 Pa. For mask alignment and exposure within an 8-inch exposure area at 365 nm, see the MA200-BE.

Product value: vapor deposition on substrates up to 150 × 150 mm in a 6 mm substrate chamber, with an ultimate pressure of <0.5 Pa and customizable heating.

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