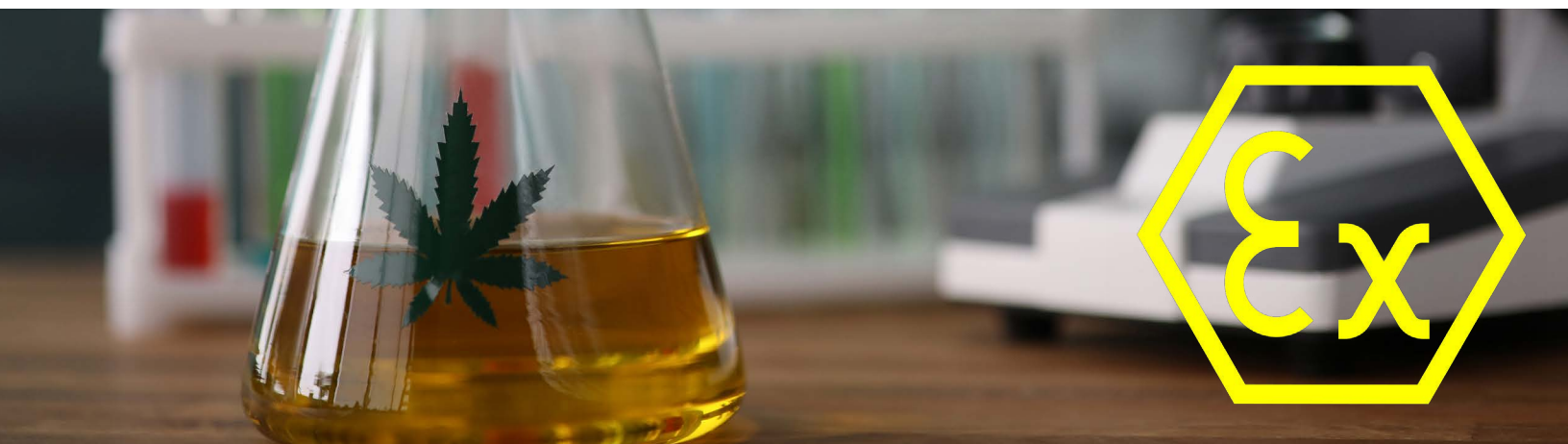


Your choice for Cannabis Extractions



Helping extraction labs to meet toughest safety requirements Vacuum drying chambers with ATEX certification

BINDER explosion proof vacuum drying chambers for flammable solvents comply to the toughest European safety requirements called ATEX.

Cannabis is a botanical. Refining and purification of Cannabinoids for medicinal products or OTCs involve highly flammable solvents like butane, propane and ethanol.

All VDL models provide over a dozen standard safety features enabling safe extractions, e.g.

- oil-free ATEX membrane pump
- safe inert gas purge
- reliable over-temperature protection
- smart alarm options

All three standard models are equipped with best in class expansion racks and the new SmartVent automatic ventilation for precise extraction.

A side from vacuum drying chambers BINDER offers a complete range of products for curing, decarboxylation, winterization and stability testing.



Read more: <https://pages.binder-world.com/en-us/vdl-cannabis-extraction>

› Model VDL 115 with ATEX pump VAP 5

Vacuum drying chamber technical specifications

Benefits

- Fast, gentle drying
- Optimum heat transfer through large thermal conducting plates
- Safe working thanks to ATEX-compliant safety concept
- Also option of modular complete system with vacuum pump and pump cabinet

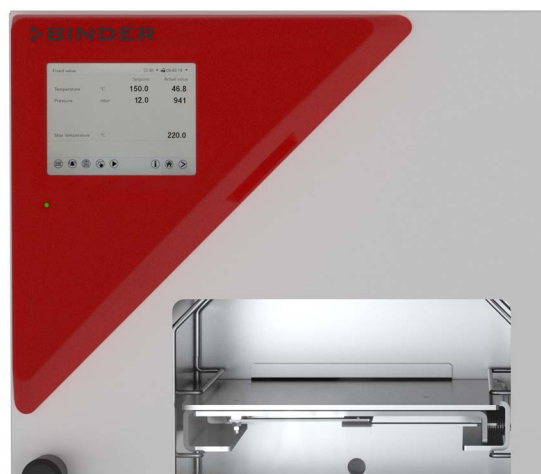
Characteristics

- Temperature range: +9 °C above ambient temperature to +110 °C
- ATEX conformity for units: EX II 2/3- G IIB T3 Gb/Gc/- X
- Intuitive touchscreen controller with graphical pressure and temperature display
- Program-controlled drying monitoring with automatic ventilation at end of process
- Internal data logger, measured values can be read out in open format via USB

ATEX certified pump VAP 5 technical specifications

Characteristics:

- Oil free membrane pump
- Nominal pumping speed 4,3 m³/h
- Final vacuum 2 mbar
- Quiet operation < 50 dB(A)
- Vacuum drying of flammable solvents with minimum 200°C ignition temperature, and for non flammable solvents
- Designed for continuous operation
- Explosion proof according to ATEX directive 2014/34/EU
- Effective and quick drying even of higher boiling solvents, thanks to the high pump volume of 4,3 m³/h and a high final vacuum of 2 mbar
- Resistant to a wide variety of chemicals
- Optimally matched for operation with BINDER vacuum drying ovens of the VDL series



VDL models are equipped with a touchscreen controller allowing digital setting of temperature and pressure.



View inside of a VDL vacuum drying chamber: 100% stainless steel with easy to clean coved corners and 2 patented expansion racks are standard.

Cat. No.	Description	Cat. No.	Suitable pump with chamber
08-111-931	Vacuum drying oven VDL 23 UL (120V) +	08-101-201	Vacuum pump VAP 5 (120V/60Hz), ATEX certified, with pump chamber
08-111-932	Vacuum drying oven VDL 56 UL (120V) +	08-101-202	Vacuum pump VAP 5 (120V/60Hz), ATEX certified, with pump chamber
08-111-933	Vacuum drying oven VDL 115 UL (120V) +	08-101-203	Vacuum pump VAP 5 (120V/60Hz), ATEX certified, with pump chamber
		08-101-199	Vacuum pump VAP 5 (120V/60Hz), ATEX certified

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