

Heating/Vacuum drying incubators

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1 Vacuum drying ovens VD/VDL series

NEW

BINDER

For gentle, fast drying without residues, incrustations or oxidation.

- Direct heat transfer through large thermal conducting plates
- 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
- Inert gas connection
- Shatterproof, spring-mounted safety glass panel
- Large viewing window
- Aluminum expansion racks, can be custom-positioned
- Ethernet interface

Vacuum drying ovens VD:

- Temperature range: RT +10 °C to 220 °C
- For non-flammable solvents
- Controller with digital display of pressure and temperature
- 2 relay outputs, 24 V DC (max. 0.4 A)

Vacuum drying ovens VDL:

- Temperature range: RT +10 °C to 110 °C
- For flammable solvents
- ATEX conformity for units: EX II 2/3/- G IIB T3 Gb/Gc/- X
- Intuitive touchscreen controller with graphical pressure and temperature display
- Pressure control device for heating activated from < 100 mbar

Type	Nom. capacity	Max. grids	Included grids	Internal dimensions (W x D x H) mm	External dimensions (W x D x H) mm	Rated capacity kW	Type of auxiliary energy	PK	Cat. No.
	L								
VD 23	24	4	1	285 x 295 x 285	523 x 413 x 698	0.9	200 ... 230 V, 50/60 Hz	1	4.678 317
VD 56	55	5	1	400 x 343 x 400	638 x 461 x 815	1.4	200 ... 230 V, 50/60 Hz	1	4.678 318
VD 115	119	6	1	506 x 460 x 506	743 x 581 x 942	1.6	200 ... 230 V, 50/60 Hz	1	4.678 319
VDL 23	24	4	2	285 x 295 x 285	523 x 413 x 698	0.9	200 ... 230 V, 50/60 Hz	1	4.678 320
VDL 56	55	5	2	400 x 343 x 400	638 x 461 x 815	1.4	200 ... 230 V, 50/60 Hz	1	4.678 321
VDL 115	119	6	2	506 x 460 x 506	743 x 581 x 942	1.6	200 ... 230 V, 50/60 Hz	1	4.678 322

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LLG-Porcelain evaporating dishes with spout, flat bottom, medium form

Glazed.

Capacity ml	Ext. diam. mm	Height mm	PK	Cat. No.
22	54	22	1	7.970 673
62	70	30	1	6.268 802
93	86	33	1	6.251 474
154	98	40	1	6.253 566
265	112	50	1	6.262 379
330	126	53	1	6.257 949
450	145	55	1	6.269 244
620	151	63	1	6.257 950
800	169	68	1	6.269 245
1200	195	74	1	6.241 820
3000	254	105	1	7.971 013



Vacuum Ovens VO

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Reliable, comfortable and energy-efficient - that's how vacuum drying works today. Separately adjustable and directly heated thermoshelves ensure precise temperature control and, thanks to the digital pressure control, the chamber load is not only dried at high speed but also extremely gently in our powerful and robust vacuum drying oven.

Memmert



4.663 352

- Safety glass door with armoured glass on the inside and splinter shield on the outside
- Digital pressure control
- Directly heated and individually controllable thermoshelves
- With 2 thermoshelf connections
- Optional: Pump base cabinet and energy-efficient vacuum pump

Model variant TwinDISPLAY: ControlCOCKPIT with two colour displays

You can find a detailed description of the "TwinDISPLAY" model at www.memmert.com

Scope of supply: Vacuum drying oven, 1 aluminium thermoshelf, calibration certificate (for 160 °C at 20 mbar), software AtmoCONTROL

Specifications

Working temperature range: at least 5 above ambient to +200 °C
 Setting temperature range: 20 °C to +200 °C
 Setting accuracy: up to 99.9: 0.1 °C/ from 100: 0.5 °C
 Vacuum: 5 to 1100 mbar
 Power supply: 230 V, 50/60 Hz

Type	Nom. capacity	Max. shelves	Included shelves	Internal dimensions (W x D x H) mm	External dimensions (W x D x H) mm	Rated capacity kW	Net weight kg	PK	Cat. No.
	L								
VO29	29	1	1	385 x 250 x 305	550 x 400 x 607	0.82	55	1	4.663 352
VO49	49	2	1	385 x 330 x 385	550 x 480 x 687	2.02	83	1	4.663 353
VO101	101	2	1	545 x 400 x 465	710 x 550 x 767	2.42	110	1	4.663 354

Accessories for vacuum ovens VO

Premium module: The premium module comprises the inert gas inlet (only sizes 49/101), extra connectors for thermoshelves, one for VO29, two for VO49/VO101, an additional thermoshelf for model size 49/101.

Memmert

Vacuum pump module: Without pump with antivibration metal plate at the bottom to accommodate the vacuum pump, including full-sight glass door, socket, signal cable and connecting hose to the vacuum oven.

Chemical-resistant vacuum pump: With 4x diaphragm, pump capacity: approx. 50 l/min = 3.0 m³/h, automatic purge control, with signal cable (3 m) to control the rotation speed and vacuum connecting hose (3 m).

Description	For Volume l	PK	Cat. No.
Thermoshelf, aluminium, eloxadised material 3.3547	29	1	9.537 938
Thermoshelf, aluminium, eloxadised material 3.3547	49	1	9.537 939
Thermoshelf, aluminium, eloxadised material 3.3547	101	1	9.537 940
Thermoshelf stainless steel, material 1.4404	29	1	6.071 767
Thermoshelf stainless steel, material 1.4404	49	1	9.537 941
Thermoshelf stainless steel, material 1.4404	101	1	6.225 112
Chemical-resistant vacuum pump	all	1	4.663 358
Vacuum pump module	29	1	4.663 355
Vacuum pump module	49	1	4.663 356
Vacuum pump module	101	1	4.663 357
Premium module	29	1	9.537 944
Premium module	49	1	9.537 945
Premium module	101	1	9.537 946
Subframe, tubular steel, black enamelled	29	1	6.225 455
Subframe, tubular steel, black enamelled	49	1	4.664 347
Subframe, tubular steel, black enamelled	101	1	6.260 454

Further accessories can be found in our online shop.