

Concentrators



Ven-LITE 2124



Ven-MAX 2200

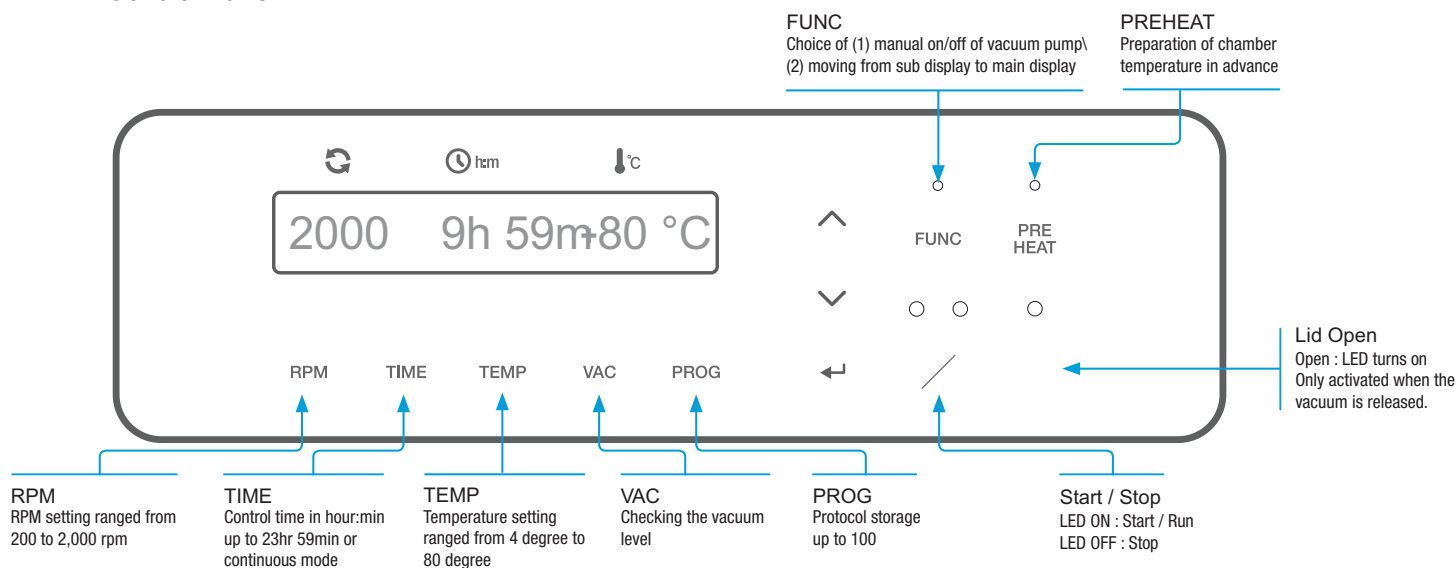
Ven-VAC is a centrifugal vacuum concentrator as general-purpose laboratory benchtop equipment.

It offers rapid, environmental friendly and efficient vacuum concentration or drying of samples like DNA/RNA, nucleotides, proteins and other liquid or wet samples with ease and reproducibility that maintain sample integrity. It is ideal for routine work with your samples.

Ven-VAC consists of two kinds of models depending on max. capacity - Ven-LITE and Ven-MAX. Ven-LITE can accommodate from 48 x 2.0 ml & 76 x 0.5 ml microtubes to 6 x 50 ml tubes and microplates. Ven-MAX can be used with 200 x 2.0 ml microtubes to 12 x 50 ml, microplates and deepwell plates. Ven-VAC evaporates solvents at RT~80°C and low pressure without freezing. Easy to use automatic system includes timer, start/stop function, vacuum control, adjustable chamber temperature to 80°C, digital readout of vacuum and programming facility. Also, it has a modular design for easy upgrade.

Ven-VAC is used with a drip catcher and & an ice cube container unit, connectors including hoses and clips. The evaporation rate can be increased by employing ice cubes around the drip catcher. Ven-VAC system also requires a diaphragm vacuum pump to generate 7 mbar (36 liter/minute), which is perfect for chemical solvent evaporation. Also, Ven-VAC can be connected with VenFreeze as a cold trap for more evaporation capacity.

► Control Panel



Concentrators

► Features :



- Tabletop centrifugal concentrators with high space efficiency
- Compatible with a diaphragm pump (7 mbar) optimal for volatile chemical solvents
- Accommodates a wide range of sample containers: 0.5, 2.0, 15, 50-ml tubes and microplates
- Automatic control and digital readout of TIME, TEMP and VAC
- Efficient cold trapping by employing drip catcher kit with ice cold trap
- Effective concentration of nucleic acids or small volume of organic solvents

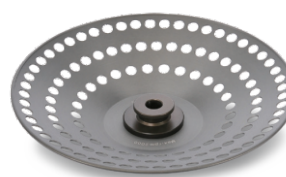
► Technical Specifications :


Model No.		Ven-LITE 2124	Ven-MAX 2200
Max. RPM		2,000	
Max. Capacity	Fixed angle	120 x 1.5 / 2.0 ml microtubes or 48 x 1.5 / 2.0 ml + 76 x 0.5 ml microtubes	200 x 1.5 / 2.0 ml microtubes
Max. Capacity	Swing - out	2 loadings of MTP	4 loadings of MTP or DWP
Auto Start / Stop of Vacuum		Yes	
Chamber Heating Temperature Range		R.T ~ 80 °C	
Vacuum Pressure (mbar)		1 ~ 1,013	
Operating Time		< 23 hr 59 min or continuous, Default value: 0 h 0 m (continuous)	
Power Requirement (Centrifuge, VA)		350	700
Power supply(V/Hz)		230 V, 50 Hz (AC 220-230 V, 50/60 Hz; 110 V optional)	
Centrifuge Dimension (W x D x H)		375 x 445 x 252 mm	475 x 560 x 350 mm
Weight (kg)		22.5 (without Rotor)	37 (without Rotor)

► Rotors & Sleeves for Ven-LITE







Cat. No.	GRV-m0.5/2.0-124	
Tube/Plate Type	 	
	1.5/2.0 ml	0.5 ml
Max. tube capacity in mL	48 x 1.5/2.0 ml + 76 x 0.5 ml	
Hole diameter (mm)	11.1 (1.5/2.0 ml), 8 (0.5 ml)	



Cat. No.	GRV-m2.0-120	
Tube/Plate Type		
	1.5/2.0 ml	
Max. tube capacity in mL	120 x 1.5/2.0 ml	
Hole diameter (mm)	11.1	



Cat. No.	GRV-50-6	
Tube/Plate Type		
	50 ml	50 ml conical
Sleeve		
	GLV-50	GLV-c50
Max. tube capacity in mL	6 x 50 ml	6 x 50 ml conical
Hole diameter (mm)	30.4 x 101	30.4 x 101

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Cat. No.	GRV-15-12	
Tube/Plate Type		
	15 ml	15 ml conical
Sleeve		
	GLV-15	
Max. tube capacity in mL	12 x 15 ml/15 ml conical	
Hole diameter (mm)	18 x 93	



Cat. No.	GRV-mw-2
Tube/Plate Type	
	microplate
Max. tube capacity in mL	2 loadings of microplate
Hole diameter (mm)	130.3 x 88.5

► Rotors & Sleeves for Ven-MAX



Cat. No.	GRV-m2.0-200
Tube/Plate Type	
	1.5/2.0 ml
Max. tube capacity in mL	200 x 1.5/2.0 ml
Hole diameter (mm)	11.1



Cat. No.	GRV-50-12	
Tube/Plate Type		
	50 ml	50 ml conical
Sleeve		
	GLV-50	GLV-c50
Max. tube capacity in mL	12 x 50 ml	12 x 50 ml conical
Hole diameter (mm)	30.4 x 101	30.4 x 101

Cat. No.	GRV-15-48	
Tube/Plate Type		
	15 ml	15 ml conical
Sleeve		
	GLV-15	
Max. tube capacity in mL	48 x 15 ml/15 ml conical	
Hole diameter (mm)	18 x 93	



Cat. No.	GRV-mw-4	
Tube/Plate Type		
	MTP	DWP
Max. tube capacity in mL	4 loadings of MTP or DWP	
Hole diameter (mm)	86.3 x 128.3	

Concentrators

► Drip Catcher, Pump, Table and Cooling Trap

Model No.	Description
GV-DC20a	Drip Catcher Kit a, Acrylic, ø20 cm, Height 16 cm incl. 500 ml Glass Bottle and Connections to Water Pump (a 50 cm Soft Hose/10 cm Vac Hose (ø12/25 mm) with 2 clamps to connect to HyperVAC centrifuge and a Y-Shape Soft Hose to Water Pump)
GV-DC20b	Drip Catcher Kit b, Acrylic, ø20 cm, Height 16 cm incl. 500 ml Glass Bottle and Connections to Diaphragm Pump (two 50 cm Soft Hose/10 cm Vac Hose (ø12/25 mm) with 2 clamps each to connect to HyperVAC centrifuge and Diaphragm Pump)
GVP-VE11	Water Pump, 18 L/min X 2, 0.0998 Mpa (998 mbar)
GVP-W2V20	High Vacuum Rotary Vane Pump, 0.4 kW (0.5 HP), 200 L/min, 1X10 ⁻³ torr (12 m3/h, 0.0013 mbar)
GVP-WOF150	Oil Mist Trap
GVCT-MA	Table A Type for HyperVAC-MAX with HyperCOOL Underneath and a Pump Back-sided
GVCT-MB	Table B Type for HyperVAC-MAX with a Pump Underneath
2415 055P	VenFreeze -55 °C Cooling Trap 3 kg, Teflon Coated, w/ Digital Display and Time Control incl. a Vacuum Hose and Clamps (220 V, 50/60 Hz)
2415 110P	VenFreeze -110 °C Cooling Trap 3 kg, Teflon Coated, w/ Digital Display and Time Control incl. a Vacuum Hose and Clamps (220 V, 50/60 Hz)
HC-PPP	VenFreeze 2415 055P, 2415 110P Trap Plate for Connection Vacuum Hose to Vacuum Concentrator
HC-PPP-A	VenFreeze 2415 055P, 2415 110P Trap Plate for Connection Vacuum Hose to Vacuum Concentrator with Table A (GVCT-MA)



GV-DC20a



GV-DC20b



GVP-VE11



GVP-W2V20



GVP-WOF150



GVCT-MA



GVCT-MB



2415 055P / 2415 110P

► Rotors & Sleeves for Ven-LITE



Cat. No.	Details
GZ-HVL-AWP	Ven-LITE System Incl. a Drip Cather Kit a and a Water Pump (Ven-LITE 2124 + GRV-m0.5/2.0-124 + GV-DC20a + GVP-VE11 Water Pump) Vacuum range: 998 mbar



Cat. No.	Details
GZ-HVL-BDP	Ven-LITE System Incl. a Drip Cather Kit b (Ven-LITE 2124 + GRV-m0.5/2.0-124 + GV-DC20b)

* Please use a diaphragm pump after purchasing locally.

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Cat. No.	Details
GZ-HVM-BDP	Ven-MAX System Incl. a Drip Cather Kit b (Ven-MAX 2200 + GRV-m2.0-200 + GV-DC20b)

* Please use a diaphragm pump after purchasing locally.



Cat. No.	Details
GZ-HVM-HCA	Ven-MAX System Incl. a VenFreeze -55°C/3 kg, a HC Trap Plate, a Vacuum Hose, Rotary Vane Pump, Oil Mist Trap, All Connections & a Table A (Ven-MAX 2200 + GRV-m2.0-200 + 2415 055P + HC-CPP-A + HC-VH + GV-W2V20 + GVP-WOF150 + GVCT-MA) Vacuum range: 0.0013 mbar



Cat. No.	Details
GZ-HVM-HCB	Ven-MAX System Incl. a VenFreeze -110°C/3 kg, a HC Trap Plate, a Vacuum Hose, Rotary Vane Pump, Oil Mist Trap, All Connections & a Table B (Ven-MAX 2200 + GRV-m2.0-200 + 2415 110P + HC-CPP + HC-VH + GV-W2V20 + GVP-WOF150 + GVCT-MB) Vacuum range: 0.0013 mbar