

Concentrator 5301: Basic device or complete system

Concentrator 5301

The **Concentrator 5301** from Eppendorf is available in two versions: Either as part of a complete system with a solvent-resistant diaphragm pump or as an easily upgradeable basic device, efficient and gentle vacuum concentration of your samples (e.g. DNA/RNA, proteins) is guaranteed. Optimal and rapid evaporation of your samples is made possible by innovative powerful heating technology. The emission condenser that is supplied with the concentrator purifies the exhaust air by up to 85% as a protection against unpleasant vapors and an automatic condensate drain prolongs the service life of all components that come into contact with vapors.

A wide range of fixed angle rotors, which take up to 144 samples in sandwich mode, and the new microtiter plate rotor **A-2-VC** enable the Concentrator 5301 to be used for wide ranging applications in the laboratory.

Further product features

- Service-free, chemical-resistant PTFE diaphragm pump (pump capacity: 1.7 m³/h)
- Noise level of complete system ≤60 dB (A)
- Chemical-resistant stainless steel chamber
- Temperature preselection: room temperature, 30 °C, 45 °C and 60 °C
- Variable tube connection for external vacuum pump or central vacuum system
- Basic device easily upgradeable to the complete system



Swing-bucket rotor A-2-VC

- For use with microtiter plates, PCR plates with or without frames and up to 2 x 96 PCR tubes (by the use of the perfectly fitting work tray)
- PCR plates without frames, PCR tubes and tube strips can be loaded into the work tray (order no.: 0030 124.235) and the accompanying frame (order no.: 0030 124.243) and then the work tray is inserted into the rotor
- Rotor is autoclavable (20 min, 121 °C)
- Up to four microtiter plates can be centrifuged down at low speed (manual swing-out test required)

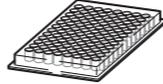
Rotors for Concentrator 5301

Fixed-angle rotors

- Different rotors for many different tube types (from 8 to 72 positions)
- A spacer enables sandwich use with some fixed-angle rotors increasing the capacity to 96 or 144 samples



Ordering information for rotors:

Tube	Tube capacity in ml	Tube dimensions in mm (Ø x L)	Tube capacity per Rotor	Rotor	Order no. for Rotor
	96 x 0.2	128 x 86 x 15	2	A-2-VC	5490 045.009
	0.5	8 x 31	72	F-45-72-8	5490 034.007
	1.5 2	11 x 41 11 x 47	70	F-45-70-11	5490 032.004
	1.5 2	11 x 41 11 x 47	48	F-45-48-11	5490 030.001
	6*	12 x 67–100*	24	F-45-24-12	5490 036.000
	15	16 x 97	8	F-50-8-16	5490 041.003
	16*	18 x 105–128*	8	F-50-8-18	5490 042.000
	15	17 x 120	8	F-45-8-17	5490 038.002
	1.5	12 x 32	36	F-40-36-12	5490 040.007
	6	15 x 48	36	F-45-36-15	5490 035.003
	6.5 10	20 x 42 20 x 55	16	F-45-16-20	5490 043.006
	10	19 x 66	18	F-40-18-19	5490 037.006
	20	31 x 55	12	F-45-12-31	5490 044.002
	25	24 x 86	8	F-35-8-24	5490 039.009

* min./ max. tube length and max. volume, respectively.

Specifications and accessories for the Concentrator 5301

Specifications	
Concentrator 5301, complete system	
with built-in diaphragm pump, incl. 48 x 1.5/2.0 ml fixed-angle rotor	
Concentrator 5301, complete system	
with built-in diaphragm pump, without rotor	
Concentrator 5301, complete system	
with built-in diaphragm pump, with junction for external devices (e. g. gel dryer), without rotor	
Concentrator 5301, basic device	
incl. 48 x 1.5/2.0 ml fixed-angle rotor	
Accessories	Order no.
Kit for upgrading basic concentrator to the complete system	
Diaphragm pump with inner PTFE coating (230 V, 50 Hz), emission condenser and two rails for connecting concentrator and pump	
	5399 000.167
Spacer for sandwich use of the fixed-angle rotors	
1 piece	5301 316.005

Technical Specifications and Ordering Information Concentrator 5301

Technical data				
Article	Concentrator 5301, complete system		Concentrator 5301, basic device	
Dimensions (W x D x H in cm)	32 x 53 x 30		32 x 37 x 23	
Weight (in kg)	31		17	
Max. power consumption (in W)	350		150	
Vacuum	20 hPa (20 mbar)		20 hPa (20 mbar)	
Fixed rotation speed	1,400 rpm		1,400 rpm	
Ordering information				
Power supply	230V/50Hz (Europe)	230V/50Hz (England)	230V/50Hz (Australia)	230V/50Hz (Switzerland)
Concentrator 5301, complete system	5301 000.210	5301 000.261	5301 000.288	5301 000.270
Concentrator 5301, complete system (without rotor)	5301 000.610	5301 000.660	5301 000.687	5301 000.679
Concentrator 5301, complete system (without rotor) with junction for external devices	5301 000.326	5301 000.369	5301 000.385	5301 000.377
Concentrator 5301, basic device	5301 000.016	5301 000.067	5301 000.083	5301 000.075

The various power connection versions have the same power characteristics; they only differ in the connection cable supplied.

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