








Eppendorf® centrifuges guide








Centrifuges	Microcentrifuges							
								
Application	MiniSpin®	MiniSpin® plus	5418	5424	5430	5415 R	5417 R	
Refrigerated	–	–	–	–	–	●	●	
Page	126	126	128	129	131	135	136	
Fixed-angle rotor								
rcf max. (x g)	12,100	14,000	16,873	20,238	30,130	16,100	25,000	
rpm max.	13,400	14,500	14,000	14,680	17,500	13,200	16,400	
Swing-bucket rotor								
rcf max. (x g)	–	–	–	–	2,204	–	10,600	
rpm max.	–	–	–	–	4,680	–	10,000	
Drum rotor								
rcf max. (x g)	–	–	–	–	–	–	–	
rpm max.	–	–	–	–	–	–	–	
Vessels/plates								
0.2–0.6 ml Eppendorf Tubes®	12	12	18	24	30	36	30	
1.5 ml Eppendorf Tubes	12	12	18	24	30	24	30 (F)/8 (A)	
2.0 ml Eppendorf Tubes	12	12	18	24	30	24	30 (F)/8 (A)	
8-place PCR strips	2	2	–	4	8	–	6	
15 ml Falcon®	–	–	–	–	6	–	–	
50 ml Falcon	–	–	–	–	6	–	–	
1.2–5 ml tubes (11 mm Ø)	–	–	–	–	–	–	–	
2.6–7 ml tubes (13 mm Ø)	–	–	–	–	–	–	–	
3–15 ml tubes (16 mm Ø)	–	–	–	–	–	–	–	
7–17 ml tubes (17.5 mm Ø)	–	–	–	–	–	–	–	
7–18 ml tubes (20 mm Ø)	–	–	–	–	–	–	–	
18–30 ml tubes (26 mm Ø)	–	–	–	–	–	–	–	
30–50 ml tubes (31 mm Ø)	–	–	–	–	–	–	–	
50–75 ml tubes (35 mm Ø)	–	–	–	–	–	–	–	
80–100 ml tubes (35 mm Ø)	–	–	–	–	–	–	–	
180–250 ml tubes bottles (62 mm Ø)	–	–	–	–	–	–	–	
20–30 ml Oak Ridge tubes (29 mm Ø)	–	–	–	–	–	–	–	
50 ml Oak Ridge tubes (29 mm Ø)	–	–	–	–	–	–	–	
85 ml Oak Ridge tubes (38 mm Ø)	–	–	–	–	–	–	–	
400 ml bottles	–	–	–	–	–	–	–	
MTP / PCR-plates	–	–	–	–	4*1	–	–	
Deepwell plates (DWP)	–	–	–	–	–	–	–	
Filter plate systems	–	–	–	–	–	–	–	

F = Fixed Angle
A = Swing Bucket
T = Drum rotor

* Note: the proper adapters are required to obtain maximum capacity; please check the appropriate rotor and/or adapter combination for proper capacity and sizing.

*1 Max. loading height: 29 mm.

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Small Medical Centrifuges			Multipurpose Benchtop Centrifuges			
						
5702	5702 R	5702 RH	5804	5804 R	5810	5810 R
–	●	●/Heated	–	●	–	●
139	139	139	148	148	148	148
3,000	3,000	3,000	20,800	20,800	20,800	20,800
4,400	4,400	4,400	14,000	14,000	14,000	14,000
–	–	–	4,500	4,500	4,500	4,500
–	–	–	5,000	5,000	5,000	5,000
–	–	–	16,400	16,400	16,400	16,400
–	–	–	14,000	14,000	14,000	14,000
24 (F)/16 (A)			30 (F)/120 (T)		30 (F)/120 (T)	
24 (F)/16 (A)			30 (F)/96 (A)/60 (T)		30 (F)/96 (A)/60 (T)	
24 (F)/16 (A)			30 (F)/96 (A)/60 (T)		30 (F)/96 (A)/60 (T)	
–			6		6	
20 (F)/8 (A)			6 (F)/16 (A)		6 (F)/48 (A)	
4 (A)			6 (F)/8 (A)		6 (F)/20 (A)	
–			56 (A)		100 (A)	
40 (A) (rectangular bucket)/16 (A) (round bucket)			36 (A)		100 (A)	
16 (A) (round bucket)			48 (A)		48 (A)	
24 (A) (rectangular bucket)/16 (A) (round bucket)			24 (A)		64 (A)	
–			16 (A)		32 (A)	
–			8 (A)		16 (A)	
–			4 (A)		16 (A)	
–			4 (A)		8 (A)	
–			4 (A)		4 (A)	
–			–		4 (A)	
–			6 (F)		6 (F)	
–			6 (F)		6 (F)	
4			6 (F)		6 (F)	
–			–		4 (A)	
–			10 (A)		16 (A)	
–			4 (A)		4 (A)	
–			4 (A)		4 (A)	



Centrifuge 5418



Product features

- 18-place rotor
- Max. 16,873 x g
- Remarkably silent, even without rotor lid
- Standard, certified aerosol-tight rotor*¹
- Convenient Eppendorf two-knob operation
- rpm/rcf converter
- Short-spin
- Automatic lid opening following application sequence
- Very small footprint

^{*1} Aerosol-tightness of lid tested by the Centre for Applied Microbiology & Research, Porton Down, CAMR, Great Britain.

Description

The compact Centrifuge 5418 has a capacity for 18 x 1,5/2,0 ml tubes and it can achieve a maximum rcf of 16,873 x g/14,000 rpm. This microcentrifuge is exclusively equipped with an aerosol tight rotor, which can be operated without the rotor lid for customer convenience but without any significant increase in noise level. The Centrifuge 5418 is perfect for customers that demand a high quality centrifuge for processing a reduced amount of samples.



● Rotor FA-45-18-11



Technical specifications

Description	Centrifuge 5418
Max. rcf	16,873 x g
Max. rpm	14,000 1/min
Max. capacity	18 x 1.5/2 ml
No. of rotors	1
Acceleration time to max. rpm	15 s
Braking time to max. rpm	15 s
Soft ramp	—
Noise level	<57 dB(A)
Dimension (W x D x H)	21 x 30 x 21 cm
Weight without rotor	7.7 kg
Power supply	230 V/50–60 Hz
Power requirement	170 W

Ordering information

Description	Order no.
Centrifuge 5418, 230 V/50–60 Hz, incl. Rotor FA-45-18-11	5418 000.017
Rotor FA-45-18-11, incl. rotor lid, aerosol-tight	5418 707.005
Rotor lid FA-45-18-11, aerosol-tight	5418 708.001
Spare sealing for rotor lid FA-45-18-11 (set of 2 x 5)	5418 709.008

