

## BOECO CENTRIFUGES M-240 / M-240R

The M-240 and M-240R rank among the fastest centrifuges in their class – with a maximum speed of 14,000 rpm and an RCF of 18,626.

Not only are they fast, the M-240R also refrigerates quickly: to +4°C with the Fast Cool function in 10 to 15 minutes.

Even thermosensitive samples can be gently centrifuged thanks to highly reliable refrigeration. Best separation results are guaranteed with the smooth-running, high-performance motor featuring a maintenance-free frequency drive. With the optional autoclavable and aerosol-tight accessories, even infectious materials can be processed safely for both the user and the environment.

### User-Friendliness

- ▶ Automatic lid locking
- ▶ Quick-entry foil keypad
- ▶ Easy-to-read, digital display
- ▶ Display of current parameter values
- ▶ Select key for parameter selection
- ▶ Impulse key for short centrifuging
- ▶ Open lid key
- ▶ RCF key
- ▶ Twist knob to enter values
- ▶ RPM in increments of 10
- ▶ Running time in minutes, max. 99 min
- ▶ Temperature in increments of 1°C (M-240R)
- ▶ 4 programmable memories

### Refrigeration (M-240R)

- ▶ Infinitely variable setting from –10 °C to +40 °C
- ▶ Fast Cool function in 10 - 15 min to +4 °C
- ▶ Stand-by mode maintains the set temperature
- ▶ Automatic refrigeration switch-off when the lid is opened

### Safety

- ▶ Lid dropping protection
  - ▶ Lid locking and holding
  - ▶ Emergency lid lock release
  - ▶ Motor overheating protection
  - ▶ Chamber overheating protection
  - ▶ Imbalance switch-off
  - ▶ Standstill indication
- with the refrigerated model M-240R the LED in the Open key lights up  
with the M-240 the lid opens automatically after the rotor has come to a standstill

The M-240 / M-240R conform to safety regulations such as IEC 1010-2-2, all relevant EC standards and DIN norms and have been manufactured under ISO 9000

### Technical details

	M-240	M-240R
Max RPM (speed) / RCF	14000 RPM / 18.626 RCF	
Noise Level (dependent on rotor)	≤ 59 dB (A)	≤ 52 dB(A)
Dimensions in mm (HxWxD)	260 x 275 x 344	260 x 281 x 547
Net weight	approx 11,5 kg	28 kg
Radio interference	EN 55011 ISM class B	
Immunity	EN 61000-6-2	

Code	Description
BOE 02400-13	BOECO centrifuge M-240, 220-240V, 50-60 Hz, without rotor
BOE 02400-12	BOECO centrifuge M-240, 100-127V, 50-60 Hz, without rotor
BOE 02405-13	BOECO refrigerated centrifuge M-240R, 220-240V, 50-60 Hz, without rotor
BOE 02405-12	BOECO refrigerated centrifuge M-240R, 100-127V, 50-60 Hz, without rotor



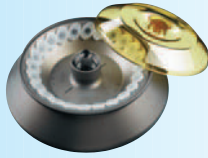
BOECO CENTRIFUGE M-240R










BOECO CENTRIFUGE M-240RR

## Rotors for M-240 and M-240 R

50°







Angle rotor,  
Cat. No. 02424  
24-place,  
n = 14,000 min<sup>-1</sup>,  
max RCF 18,626

capacity in ml	1.5	0.5/0.8	0,2 /0.4	2.0
dimensions Ø x L mm	11x38	8x30/45	6x18/45	11x38
				
n = 14,000 min <sup>-1</sup> Cat.-No. 02424	with high speeds we recommend to use adapter No. 02031			
Cat.-No.	—	02023	02024	—
tubes per rotor	24			
RCF	18.626			
radius in mm	85			
run-up in sec	13			
run-down in sec	 15  412			
temperature °C <sup>1)</sup>	+4			

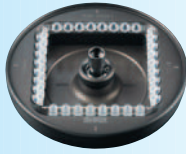
45°








Angle rotor,  
Cat. No. 02430  
30-place,  
n = 14,000 min<sup>-1</sup>  
max RCF 17.749

capacity in ml	0,5
dimensions Ø x L mm	8 x 30
	
n = 14,000 min <sup>-1</sup> Cat.-No. 02430	
Cat.-No.	—
tubes per rotor	30
RCF	17.749
radius in mm	81
run-up in sec	10
run-down in sec	 13  398
temperature °C <sup>1)</sup>	+4

45°







Angle rotor, for  
PCR tubes and  
strips  
Cat. No. 02418  
32-place, 4x 8  
n = 14,000 min<sup>-1</sup>  
max RCF 12,490

capacity in ml	0,2	
dimensions Ø x L mm	6 x 18 PCR strips	
		
n = 14,000 min <sup>-1</sup> Cat.-No. 02418		
Cat.-No.	—	
tubes per rotor	32	4 x 8
RCF	12,490	
radius in mm	57	
run-up in sec	9	
run-down in sec	 13  315	
temperature °C <sup>1)</sup>	+4	

40°



Angle rotor,  
illustrated with  
optional lid 0E2040  
for cryo tubes  
Cat. No. 02426  
20-place  
n = 14,000 min<sup>-1</sup>  
max RCF 18,407

capacity in ml	1,8
dimensions Ø x L mm	cryo ubes
	
n = 14,000 min <sup>-1</sup> Cat.-No. 02426	
Cat.-No.	—
tubes per rotor	20
RCF	18,407
radius in mm	84
run-up in sec	13
run-down in sec	 15  412
temperature °C <sup>1)</sup>	+4

Optional for rotor 02424, 02430 and 02426



Lid (Cat. No. 02425  
with bio-containment  
autoclavable



Lid (Cat. No. 02423  
with bio-containment  
autoclavable,  
phenol-resistant