



BOECO CENTRIFUGE M-240



BOECO CENTRIFUGE M-240R

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 15,000 rpm and an RCF of 21,382 they are not only 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 61010, all relevant EU standards and DIN norms and have been manufactured under ISO 9001:2015

Technical details

	M-240	M-240R
Max. RPM (speed) / RCF:	15,000 RPM / 21,382 RCF	
Noise level:	≤ 58 dB (A)	≤ 54 dB(A)
(dependent on rotor)		
Dimensions in mm (HxWxD):	260 x 275 x 344	260 x 281 x 533
Net weight:	11,5 kg	28 kg
Emission / Immunity:	EN / IEC 61326-1 / class B / FCC class B	

Code	Description
BOE 02400-13	BOECO centrifuge M-240, 200-240 V, 50/60 Hz, without rotor
BOE 02405-13	BOECO refrigerated centrifuge M-240R, 200-240 V, 50 Hz, without rotor

Rotors for M-240 and M-240 R

45°



Angle rotor, 24-place
Cat. No. 02434
 $n = 15,000 \text{ min}^{-1}$,
max RCF 21,382
incl. biocontainment lid

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
 $n = 15,000 \text{ min}^{-1}$ Cat.-No. 02434				
	with high speeds we recommend to use adapter No. 02031			
Cat.-No.	—	02023	02024	—
tubes per rotor	24			
RCF	21,382			
radius in mm	85			
run-up in sec.	20			
run-down in sec. ²⁾	29			
temperature °C ¹⁾	+4			

45°



Angle rotor, 24-place
Cat. No. 02428
 $n = 15,000 \text{ min}^{-1}$,
max RCF 21,382
incl. bioseal lid

capacity in ml	1.5	0.5/0.8	0.2 /0.4	2.0	1.5	2.0
dimensions Ø x L mm	11x38	8x30/45	6x18/45	11x38	micro spin columns 11x38	
 $n = 15,000 \text{ min}^{-1}$ Cat.-No. 02428						
	with high speeds we recommend to use adapter No. 02031				with high speeds we recommend to use adapter No. 02031	
Cat.-No.	—	02023	02024	—	—	—
tubes per rotor	24					
RCF	21,382					
radius in mm	85					
run-up in sec.	20					
run-down in sec. ²⁾	28					
temperature °C ¹⁾	+4					

The special raised rim of the rotor 02428 enables centrifugation of tubes with open lids. The rim supports the lids so they will not rip off during centrifugation.

Centrifugation with open tube lids is performed for example when spinning tubes with filter elements, so called „spin columns“

40° inside /
52,5° outside



Angle rotor, 30-place,
Cat. No. 02437
 $n = 15,000 \text{ min}^{-1}$,
max RCF 21,328
incl. bioseal lid.

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
 $n = 15,000 \text{ min}^{-1}$ Cat.-No. 02437				
	with high speeds we recommend to use adapter No. 02031			
Cat.-No.	—	02023	02024	—
tubes per rotor	30			
RCF	21,328			
radius in mm	85			
run-up in sec.	22			
run-down in sec. ²⁾	30			
temperature °C ¹⁾	+4			

Optional for rotor 02437 and 02434



Lid (Cat. No. 02435)
with bio-containment
autoclavable,
phenol-resistant