

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-240 R |
|----------------------------|----------------------|-----------------|
| · Dimensions in mm (HxWxD) | 260 x 275 x 347 | 260 x 281 x 547 |
| · Net weight | approx 11,5 kg | 28 kg |
| · Radio interference | EN 55011 ISM class B | |
| · Immunity | EN 50082-2 | |
| · Centr. chamber temp. | as per DIN 58970 | |

| 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 |

all rotors:
max. RPM: 14,000 min⁻¹
autoclavable



| | angle rotor, 24-place | angle rotor, 30-place | angle rotor, for PCR strips |
|---|-----------------------|-----------------------|-----------------------------|
| angle | 50° | 45° | 45° |
| max. RCF | 18,626 | 17,749 | 12,490 |
| radius in mm | 85 | 81 | 57 |
| run-up in s (at level 9) | 13 | 10 | 9 |
| braked run-down in s (at level 9) | 15 | 13 | 13 |
| lowest attainable temperature in M-240R at max. speed | +4 | +4 | +4 |
| Cat. No. | 02424 | 02430 | 02418 |

| | 24 | | | | | | 30 | 32 | 4 x 8 |
|------------------------|--------|--------|--------|--------|---------|---------|--------|--------|-------|
| tubes per rotor | | | | | | | | | |
| capacity ml | 0.2 | 0.4 | 0.5 | 0.8 | 1.5 | 2.0 | 0.5 | 0.2 | 0.2 |
| microlitre tubes | | | | | | | | | |
| dimensions Ø x L in mm | 6 x 18 | 6 x 45 | 8 x 30 | 8 x 45 | 11 x 38 | 11 x 38 | 8 x 30 | 6 x 18 | - |
| Cat. No. | - | - | - | - | 02078 | 00536 | - | - | - |

| adapters | | | |
|----------|-------|-------|--------|
| Cat. No. | 02024 | 02023 | 02031* |

* form-fitting adapter, recommended for centrifugation at high speed

| lid | inclusive | inclusive | optional |
|---|-----------|-----------|----------|
| Cat. No. | - | - | OE 2040 |
| lid, aerosol-tight and autoclavable | optional | optional | - |
| Cat. No. | 02425 | 02425 | - |
| lid, phenol-resistant, aerosol-tight and autoclavable | optional | optional | - |
| Cat. No. | 02423 | 02423 | - |

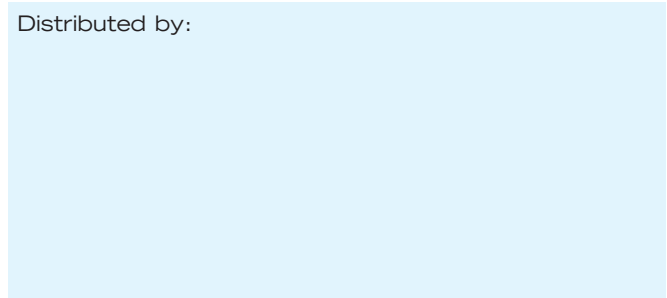


lid OE 2040



lid 02425,
aerosol-tight and autoclavable

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We reserve the right to make changes in technical specification.