

Automated centrifuges

MIKRO 220 Robotic

Fast and compact

The MIKRO 220 Robotic is an air-cooled, robotically operated microlitre centrifuge with PC activation. It centrifuges tubes up to 2.0 ml (e.g. microlitre tubes or HPLC tubes) quickly and safely. This qualifies it for sample preparation in research laboratories of the life sciences as well as for daily routine tasks in medical diagnostics or industrial quality control.

Wherever processes can be automated, MIKRO 220 Robotic centrifuges will optimize the workflow. Samples are centrifuged automatically while the laboratory personnel are able to concentrate on other tasks. As loading and unloading is carried out by means of a robot arm, the samples are made available for further processing right after centrifugation.



■ Highlights

- max RPM: 13,000 min⁻¹
- max. RCF: 18.327
- max. capacity: 24 x 1.5/2.0 ml
- Compact industry design
- Loading and unloading hatch in the lid
- Hatch opening time < 5 seconds
- IVDR-conform according to regulation (EU) 2017/746
- Fast + Slow positioning mode
- Positioning time of 3 seconds
- Positioning accuracy 3 encoder steps (out of a total of 4096)
- 9 individual acceleration and deceleration stages

■ Features

- Metal housing and lid
- Viewing port in the lid (for speed measurement or maintenance)
- Powered lid lock
- Lid dropping protection
- Emergency lid lock release
- Stainless steel inner chamber
- Automatic rotor recognition
- Error display
- Imbalance switch-off
- Overtemperature fuse
- Interface via RS 232
- Overcurrent limitation when closing the hatch
- Manual operation via key switch possible (backup)

Technical data

MIKRO 220 ROBOTIC non-refrigerated

automated opening	front
frequency	50 – 60 Hz
consumption	460 VA
max. capacity	24 x 1.5 / 2.0 ml
max. RPM	13,000 min ⁻¹
max. RCF	18,327
Permissible density of the centrifuged material	1.2 kg/dm ³
dimensions (WxDxH)	490 x 380 x 345 mm
weight	approx. 27 kg
Cat. No.	2350
100-127 V / 50 - 60 Hz	2350-01

Swing-out rotor, 24-place, 90° | 2394

Rotor

max. RPM max. RCF ²⁾	13,000 min ⁻¹ 18,327
max. capacity	24 x 2.0 ml
run-up run-down, braked in sec	25 26
angle	90°
Cat. No.	2394



Vessels

capacity in ml	0.8	1.5	2.0
Ø x L in mm	8 x 45	11 x 38	11 x 38
max. RCF ²⁾	18,327	18,327	18,327
radius in mm	98	98	98
Cat. No.	microliter tubes		



Adapter

boring Ø x L in mm	8 x 40	10.2x19.3	11.5x38.5
vessels per rotor	24	24	24
Cat. No.	2023	2031⁷⁾	-



2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

7) For centrifugation at high speeds, we recommend to use conical, phenolresistant adapters. Cat. No. 2031.

— Swing-out rotor, 24-place, 45° | 2334



Rotor

max. RPM max. RCF ²⁾	13.000 min ⁻¹ 18,327
max. capacity	24 x 2.0 ml
run-up run-down, braked in sec	25 26
angle	45°
Cat. No.	2334

Vessels

capacity in ml	0.8	1.5	2.0
Ø x L in mm	8x45	11x38	11x38
max. RCF ²⁾	18,327	18,327	18,327
radius in mm	84	84	84

Cat. No. **microliter tubes**



Adapter

boring Ø x L in mm	8 x 40	10.2x19.3	11.5x38.5
vessels per rotor	24	24	24

Cat. No. **2023** **2031⁷⁾** **-**

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

7) For centrifugation at high speeds, we recommend to use conical, phenolresistant adapters. Cat. No. 2031.

— Certifications / Registrations

Product certification:



Product registration:



Company certifications:

