

Automated centrifuges

ROTANTA 460 Robotic

Proven and powerful

Our ROTANTA 460 Robotic model is a cooled, floorstanding centrifuge. Robotic centrifuges from the ROTANTA range have been an integral part of numerous laboratory automation systems for several decades.

Today automated sample preparation is indispensable in medical diagnostics. Robotically operated ROTANTA models have long been successfully deployed in biotechnology research laboratories and in the pharmaceutical industry, for example for high throughput screening. In pharmaceutical research, active ingredients are more and more frequently tested on cells in order to minimise experiments with animals. This too makes the use of automated centrifuges increasingly necessary.



Highlights

- Max. RPM: 6,200 min -1
- Max. RCF: 6,446
- Max. capacity: 80 x 10 ml or 12 microtiter plates
- Loading and unloading hatch in the lid
- Hatch opening time < 6 seconds
- IVDR-conform according to regulation (EU) 2017/746
- Fast + Slow positioning mode
- Positioning time of 5 seconds
- Positioning accuracy 3 encoder steps (out of a total of 4096)
- Additional light barriers in the hatch area (optional)

Features

- Metal housing and lid
- Emergency lid lock release
- Powered lid lock
- Lid dropping protection
- Stainless steel inner chamber
- Automatic rotor recognition
- Error display
- Transformer for different voltage variants
- imbalance switch-off
- Overtemperature fuse
- Interface via RS232
- Overcurrent limitation when closing the hatch
- Manual operation via key switch possible (backup)

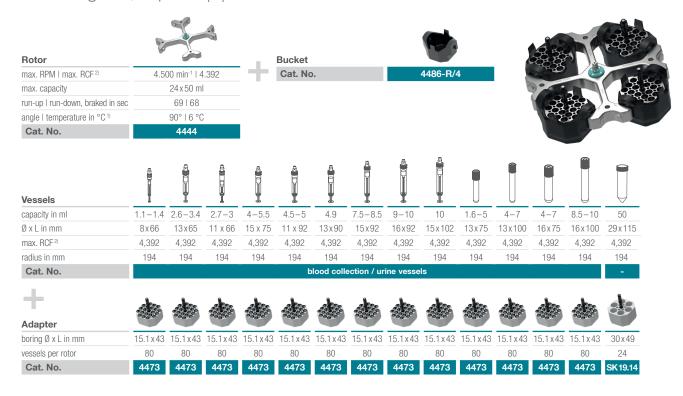


Technical data

	ROTANTA 460 ROBOTIC refrigerated	ROTANTA 460 ROBOTIC refrigerated
automated opening	front in lid	back in the lid
voltage *)	operable at different voltages, devices are equipped with a transformer	operable at different voltages, devices are equipped with a transformer
frequency	50 - 60 Hz	50 - 60 Hz
consumption	1,800 VA	1,800 VA
max. capacity	24 x 50 ml	24 x 50 ml
max. RPM	6,200 min ⁻¹	6,200 min ⁻¹
max. RCF	6,446	6,446
Permissible density of the centrifuged material	1.2 kg/dm ³	1.2 kg/dm ³
dimensions (WxDxH)	554 x 697 x 654 mm	554x697x654 mm
weight	approx. 154 kg	approx. 154 kg
Cat. No.	5680-10-RS232	5680-RS232
110-120 V 1~	5680-11-RS232	5680-01-RS232

^{*)} Other voltages on request.

- Swing-out, 4-place | 4444



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¹⁾ For cooled versions: Lowest temperature achievable with precooling and max. speed.

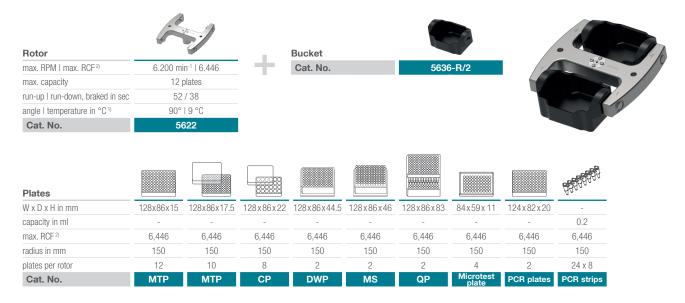
²⁾ Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.



Swing-out, 4-place | 4444



Swing-out, 2-place | 5622



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Certifications / Registrations

Product certification: | Product registration:



Company certifications:





