

Automated centrifuges

ROTINA 380 | RC Robotic

Flexible and versatile

The ROTINA 380 Robotic is available as an air-cooled benchtop unit and reliably centrifuges microtiter plates and blood collection tubes. In clinical diagnostics, the ROTINA 380 RC Robotic is ideal for automated workstations and can handle special tasks such as STAT sample centrifugation without disrupting routine operations. It also contributes to greater efficiency in research settings.



— Highlights

- Max. RPM: 5,100 min⁻¹
- Max. RCF: 4,696
- max. capacity: 48 x 10 ml or 6 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
- Powered lid lock
- Lid dropping protection
- Emergency lid lock release
- Stainless steel inner chamber
- Automatic rotor recognition
- Error display
- Transformer for different voltage variants
- Imbalance switch-off
- Overtemperature fuse
- Interface via RS 232
- Overcurrent limitation when closing the hatch
- Manual operation via key switch possible (backup)

Technical data

	ROTINA 380 ROBOTIC non-refrigerated	ROTINA 380 RC ROBOTIC refrigerated
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	750 VA	1,500 VA
max. capacity	16 x 50 ml	16 x 50 ml
max. RPM	5,000 min ⁻¹	5,100 min ⁻¹
max. RCF	4,696	4,696
Permissible density of the centrifuged material	1.2 kg/dm ³	1.2 kg/dm ³
dimensions (WxDxH)	470x579x477 mm	470x579x622 mm
weight	approx. 81 kg	approx. 120 kg
Cat. No.	3700	3704
110-120 V 1~	3700-01	3704-01

*) Other voltages on request.


Swing-out, 4-place | 3724-R

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Rotor				Bucket																			
max. RPM max. RCF ²⁾		5.000 min ⁻¹ 4,696		Cat. No.		3725-R/4																	
max. capacity		16x50 ml																					
run-up run-down, braked in sec		42 40																					
angle temperature in °C ¹⁾		90° 0																					
Cat. No.		3724-R																					
Vessels																							
         																							
capacity in ml		2.6–2.9		4.9		7.5–8.2		9–10		10		1.6–5		4–7		4–7		8.5–10		50			
Ø x L in mm		13x65		13x90		15x75		16x92		15x102		13x75		13x100		16x75		16x100		29x115			
max. RCF ²⁾		4,696		4,696		4,696		4,696		4,696		4,696		4,696		4,696		4,696		4,696			
radius in mm		168		168		168		168		168		168		168		168		168		168			
Cat. No.		blood collection / urine vessels																				-	
Adapter																							
         																							
boring Ø x L in mm		17x50		17x50		17x50		17x50		17x50		17x50		17x50		17x50		17x50		30x64			
vessels per rotor		48		48		48		48		48		48		48		48		48		16			
Cat. No.		3734		3734		3734		3734		3734		3734		3734		3734		3734		3739			

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, 2-place | 3722-R



Rotor

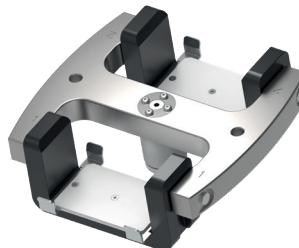
max. RPM max. RCF ²⁾	5,100 min ⁻¹ 4,362
max. capacity	6 plates
run-up run-down, braked in sec	49 / 42
angle temperature in °C ¹⁾	90° 0
Cat. No.	3722-R









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Bucket

Cat. No.	3730-R/2
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Plates								
W x D x H in mm	128x86x15	128x86x17.5	128x86x22	128x86x44.5	128x86x46	128x86x83	-	86x128x79
capacity in ml	-	-	-	-	-	-	0.2	-
max. RCF ²⁾	4,362	4,362	4,362	4,362	4,362	4,362	4,362	4,362
radius in mm	150	150	150	150	150	150	150	150
plates per rotor	6	4	4	2	2	2	24 x 8	2
Cat. No.	MTP	MTP	CP	DWP	MS	QP	PCR strips	Qiagen

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.

— Certifications / Registrations

Product certification:



Product registration:



Company certifications:

