

## AUTOMATED CENTRIFUGES

# — ROTINA 380 | R | RC ROBOTIC

## FLEXIBLE AND VERSATILE

Our ROTINA 380 Robotic models are available as air-cooled or refrigerated benchtop centrifuges and as cooled underbench units. They centrifuge microtitre plates and blood collection tubes fast and reliably.

With the robotically operated ROTINA 380 Robotic and 380 R Robotic, automation has now also found its way onto the laboratory bench. The ROTINA 380 RC Robotic is ideally suited for setting up an automated workstation for routine clinical diagnostics. It can carry out special tasks, such as the centrifugation of STAT samples. The routine workflow does not have to be interrupted when emergency samples are delivered. This relieves the load, particularly at peak times when large numbers of samples have to be processed within the shortest possible time. In the research sector, the ROTINA 380 Robotic models also make a valuable contribution.



## — HIGHLIGHTS

- Max. RPM: 5,100 min<sup>-1</sup>
- 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 R ROBOTIC 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.	Operable at different voltages, devices are equipped with a transformer.
frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
consumption	750 VA	1,500 VA	1,500 VA
max. capacity	16 x 50 ml	16 x 50 ml	16 x 50 ml
max. RPM	5,000 min <sup>-1</sup>	5,100 min <sup>-1</sup>	5,100 min <sup>-1</sup>
max. RCF	4,696	4,696	4,696
Permissible density of the centrifuged material	1.2 kg/dm <sup>3</sup>	1.2 kg/dm <sup>3</sup>	1.2 kg/dm <sup>3</sup>
dimensions (WxDxH)	470x579x477 mm	680x579x477 mm	470x579x622 mm
weight	approx. 81 kg	approx. 113 kg	approx. 120 kg
<b>Cat. No.</b>	<b>3700</b>	<b>3702</b>	<b>3704</b>
110-120 V 1~	3700-01	3702-01	3704-01

\*) Other voltages on request.


## SWING-OUT, 4-PLACE | 3724-R



**Rotor**


max. RPM   max. RCF <sup>2)</sup>	5.000 min <sup>-1</sup>   4,696
max. capacity	16x50 ml
run-up   run-down, braked in sec	42   40
angle   temperature in °C <sup>1)</sup>	90°   0
<b>Cat. No.</b>	<b>3724-R</b>

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**Bucket**

<b>Cat. No.</b>	<b>3725-R/4</b>
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**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 <sup>2)</sup>	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
<b>Cat. No.</b>	<b>blood collection / urine vessels</b>									<b>-</b>


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**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
<b>Cat. No.</b>	<b>3734</b>	<b>3734</b>	<b>3734</b>	<b>3734</b>	<b>3734</b>	<b>3734</b>	<b>3734</b>	<b>3734</b>	<b>3734</b>	<b>3739</b>

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**

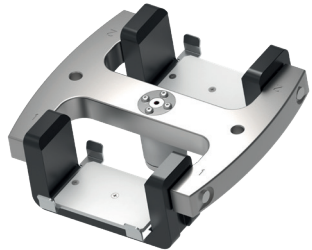
max. RPM   max. RCF <sup>2)</sup>	5,100 min <sup>-1</sup>   4,362
max. capacity	6 plates
run-up   run-down, braked in sec	49 / 42
angle   temperature in °C <sup>1)</sup>	90°   0
<b>Cat. No.</b>	<b>3722-R</b>









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**Bucket**

<b>Cat. No.</b>	<b>3730-R/2</b>
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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 <sup>2)</sup>	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
<b>Cat. No.</b>	<b>MTP</b>	<b>MTP</b>	<b>CP</b>	<b>DWP</b>	<b>MS</b>	<b>QP</b>	<b>PCR strips</b>	<b>Qiagen</b>

- 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:

