

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⁻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 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 ⁻¹	5,100 min ⁻¹	5,100 min ⁻¹
max. RCF	4,696	4,696	4,696
Permissible density of the centrifuged material	1.2 kg/dm ³	1.2 kg/dm ³	1.2 kg/dm ³
dimensions (WxDxH)	470x579x477 mm	680x579x477 mm	470x579x622 mm
weight	approx. 81 kg	approx. 113 kg	approx. 120 kg
Cat. No.	3700	3702	3704
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 ²⁾	5.000 min ⁻¹ 4,696
max. capacity	16x50 ml
run-up run-down, braked in sec	42 40
angle temperature in °C ¹⁾	90° 0
Cat. No.	3724-R













Bucket











Cat. No.	3725-R/4
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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 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.

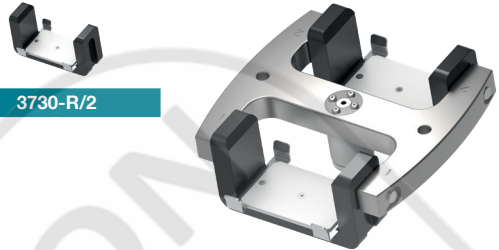
SWING-OUT, 2-PLACE | 3722-R



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

+



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:





LABORATORY EQUIPMENT MAINTENANCE, REPAIR, CALIBRATION AND SALES

Established in 1987, Henderson Biomedical is the UK's leading laboratory equipment sales and service provider. Our knowledgeable team can provide you with excellent sales advice on a range of different types of laboratory equipment including centrifuges, refrigerators, freezers and heat sealers.

Henderson Biomedical is also able to provide you with first class after-sales service and calibration of your laboratory equipment. We are an **ISO 17025 (UKAS) accredited calibration test laboratory** and our team of Field Service Engineers cover the whole of the United Kingdom.

Please contact us for more information on the types of equipment we supply and the different after-sales services we can offer.

Henderson Biomedical

Unit 3, Swan Close
Croydon CR0 2DZ
United Kingdom

Tel: 020 8663 4610

For sales enquiries: sales@henderson-biomedical.co.uk
For all other enquiries: info@henderson-biomedical.co.uk
www.henderson-biomedical.co.uk

