



**ROTINA 380/380 R**  
Benchtop Centrifuges  
classic/cooled

Efficiency and safety are key requisites in today's laboratories – whether for research or routine tasks.

Wherever centrifuges are incorporated to working processes, they need to deliver good separation results quickly and safely.

The ROTINA 380 and 380 R centrifuge models are ideally equipped to take on these challenges. Their high performance and advanced features set standards among the benchtop centrifuges in their class.

Samples with capacities of up to 4 x 290 ml can be processed in these high-performance centrifuges with a max. RCF of 4,863. Should higher speeds be required, angle rotors with a max. RCF of 22,789 for 50 ml culture tubes are available.

Accessories with bio-containment protect users from aerosols while ensuring optimal safety, for instance, while centrifuging infectious samples.

## PERFORMANCE

- High capacity
  - max. 4 x 290 ml
  - max. 32 x 15 ml
- High RCF
  - up to 22,789 for 50 ml tubes
  - up to 16,504 for 94 ml tubes
  - up to 24,400 for reaction tubes



## DESIGN

- Metal housing
- Stainless steel centrifuging chamber
- Viewing port in the lid

## USER-FRIENDLINESS

- Powered lid locking
- Ergonomic control and information panel
- Easy rotor changing
- 98 program storage spaces

## COOLING (ROTINA 380 R)

- Infinitely variable adjustment from -20 °C to +40 °C (or -4 °F to +104 °F)
- Stand-by cooling

## SAFETY

- Lid locking and holding
- Emergency lid lock release
- Lid dropping protection
- Automatic rotor recognition
- Imbalance switch-off
- Motor overheating protection
- Chamber overheating protection (ROTINA 380 R)



ROTINA 380

Cat. No. 1701

## OPERATION AND CONTROL

With the convenient C control panel, even the most challenging centrifugation programs can easily be keyed in, stored and accessed as required.

98 program memory positions are available. Additional program position "PREC" (PRE-COOLING) is reserved for the pre-cooling program.

Parameter selection is done via the use of symbol keys. Values are set with the control knob, and recorded by pressing the Start key.

9 braking and acceleration ramps, unbraked run-down, or a cut-off speed can be selected. Ramp 9 represents the shortest braking and acceleration time.


The temperature in the ROTINA 380 R refrigerated centrifuge can be set in either Celsius (°C) or Fahrenheit (°F) degrees. The temperature range is between - 20 °C and + 40 °C or between - 4 °F and + 104 °F.

## DIGITAL DISPLAY AND CONTROL PANEL

### KEYBOARD

START	Start centrifugation run / short centrifuging runs / save entries and changes  Start pre-cooling program <b>PREC</b>
STOP OPEN	Manually end centrifugation run / Open lid

### PARAMETER INPUT

PROG	Input / recall program number 98 programs can be stored
T/°C	Input temperature in increments of 1 from - 20 °C to + 40 °C or - 4 °F to + 104 °F (ROTINA 380 R)
	Input of acceleration levels 1 – 9 Input of braking levels 1 – 9 Input brake force cut-off
RCF	Input relative centrifugal force (RCF) in increments of 1 Enter centrifuging radius (RAD) in mm
RPM	Input speed in increments of 10
TIME	Input length of centrifugation (max. 99 h : 59 min : 59 sec) or continuous operation




ROTINA 380 R control panel (C control panel)



ROTINA 380 R cooled

Cat. No. 1706

# ROTINA 380/380 R

TECHNOLOGY	ROTINA 380		ROTINA 380 R	
<b>Benchtop centrifuge, without rotor</b>	<b>classic</b>		<b>cooled</b>	
Power supply <sup>*)</sup>	208 – 240 V 1 ~	110 – 127 V 1 ~	208-240 V 1~/220-240 V 1~	110 – 127 V 1 ~
Frequency	50 – 60 Hz		50/60 Hz	60 Hz
Consumption	700 VA	850 VA	1,300 VA	1,400 VA
Emission	EN 55011 group 1, class B, EN 61000-3-2, EN 61000-3-3	FCC class B	EN 55011 group 1, class B, EN 61000-3-3	FCC class B
Immunity	EN 61000-6-2	-	EN 61000-6-2	-
 Max. capacity	4 x 290 ml			
Max. RPM (speed)	15,000 min <sup>-1</sup>			
Max. RCF	24,400			
Running time	1 sec – 99 h : 59 min : 59 sec, ∞ continuous run, short cycle mode (impulse key)			
Dimensions (HxWxD)	418 x 457 x 600 mm		418 x 457 x 750 mm	
Weight	approx. 53 kg		approx. 82 kg	
<b>Refrigeration</b>				
Temperature control, infinitely variable	-		from -20 to +40 °C	
<b>Cat. No.</b>	<b>1701</b>	<b>1701-01</b>	<b>1706</b>	<b>1706-01</b>

<sup>\*)</sup> Other voltages on request.



Hettich centrifuges comply with all relevant EU standards in effect and conform to the European level of quality and safety for medical devices. Evidence is provided by national and international test marks such as IEC 61010 or the CE conformity. The ISO 9001:2000 and ISO 13485:2003 certificates accredited to the company bear witness to the extreme care and responsibility Hettich puts into the manufacturing of centrifuges and their accessories.

## Andreas Hettich GmbH & Co. KG

Föhrenstr. 12  
D-78532 Tuttlingen  
Germany  
www.hettichlab.com  
info@hettichlab.com  
service@hettichlab.com

Phone +49 (0)7461 / 705 -0  
Fax +49 (0)7461 / 705 -122

National Sales: -200  
International Sales: -201  
National Service: -202  
International Service: -203