

# CENTRIC 400 R

## REFRIGERATED CENTRIFUGE

### MAIN ADVANTAGES:

- > Robust Design, QUIET RUNNING
- > Brushless Drive System, MAINTENANCE FREE
- > Safety features: Automatic Rotor Recognition System, Automatic Speed Limitation System, Imbalance, 2 point lid lock, Errors displayed With sound alarms
- > Microprocessor Controlled Functions of Cover, Time, Speed and Temperature
- > Adjustable Acceleration and Braking System
- > Special START - STOP Features
- > Fast Spin & Quick-COOLING® Features
- > Constant Temperature Fan System
- > Up to 10 Programs



**Centrifuge CENTRIC 400R** is universal laboratory centrifuge, designed for use in medical, industrial and Scientific laboratories for separating substances with different relative densities by centrifugal force.

The maximum rotational speed of **18.000 RPM** gives the centrifugal force of **31.150 x g**.

A wide usage of programming options and an electronic operation control allow a trouble-free use of the centrifuge.

With a special drive, quiet maintenance-free operation without any carbon dust pollution is guaranteed.

Device is equipped with user-friendly options which make the operation and standard settings easier for you. Built-in error detecting functions keep the user from entering incorrect values and check the complete operation.

The centrifuge has the possibility to save programs. In the program store you can save up to 10 different data sets. The centrifuge always keeps the last run program in its memory for an unlimited amount of time allowing the program to be restarted at any time - even if the centrifuge was turned off during operation. All important operation parameters can be seen at a glance.

The settings are executed with knobs and keys on the control panel. The interior of the centrifuge is also easy to clean. We are able to offer you a device that combines functional variety with practical applications.

TECHNICAL DATA	CENTRIC 400R
Max. rotation speed	500 to 18.000 rpm, in steps of 10 rpm
Max. centrifugal force	31.150 x g
Temperature set range	-9°C to +40°C
Time	0 - 99 min, HOLD function
Programs	10
Acceleration & Deceleration	0 - 9 (10) levels
Noise level	< 58 dB(A)
Fast spin with preselected speed	YES
Fast cooling 22°C to 4°C	YES
Dimensions (W x D x H)	350 x 650 x 545 mm
Weight	79 kg

ORDERING INFORMATION	
<b>CENTRIC 400R</b> , without rotor	
230V, 50/60Hz	457.3.500
<b>CENTRIC 400R</b> , without rotor	
120V, 50/60Hz	1457.3.500
<b>CENTRIC 400R IVD</b> , without rotor	
230V, 50/60Hz	457.3.500 IVD

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# CENTRIC 400 R ACCESSORIES

## SWING OUT ROTORS:



### Four Place Swing-Out rotor with buckets

- 4 x 100 ml
- Max. tube dimensions:  $\phi 44 \times 100$  mm
- Max. speed: 5000 rpm
- Max. centrifugal force: 4220 x g

Ordering Code: 457.200 +  
buckets 462.200 / XL buckets 473.301



### Two place Swing-Out rotor for MT plates with plate carriers

- 6 x MTP
- Max. plate dimensions: 86 x 128 mm
- Max. speed: 3000 rpm
- Max. centrifugal force: 1320 x g

Ordering Code: 457.340 + carriers 464.310



### Four Place Swing-Out rotor with buckets

- 4 x 200 ml
- Max. tube dimensions:  $\phi 57 \times 105$  mm
- Max. speed: 5000 rpm
- Max. centrifugal force: 4220 x g

Ordering Code: 473.380 + buckets 473.380

## ANGLE ROTORS:



### Angle rotor with AEROSOL-TIGHT lid

- 24 x 1,5/2,0 ml, optional adapters for PCR tubes
- Max. tube dimensions:  $\phi 11 \times 40$  mm
- Max. speed: 18000 rpm
- Max. centrifugal force: 31150 x g

Ordering Code: 473.400



### Angle rotor with lid

- 24 x 1,5/2,0 ml, optional adapters for PCR tubes
- Max. tube dimensions:  $\phi 11 \times 40$  mm
- Max. speed: 18000 rpm
- Max. centrifugal force: 31150 x g

Ordering Code: 456.600



### Angle rotor with AEROSOL-TIGHT lid

- 16 x 5,0 ml
- Max. tube dimensions:  $\phi 17 \times 54$  mm
- Max. speed: 14000 rpm
- Max. centrifugal force: 21450 x g

Ordering Code: 472.890



### Angle rotor with lid

- 30 x 1,5/2,0 ml, optional adapters for PCR tubes
- Max. tube dimensions:  $\phi 11 \times 40$  mm
- Max. speed: 14000 rpm
- Max. centrifugal force: 21450 x g

Ordering Code: 456.620



### Angle rotor

- 30 x 15 ml, optional adapters for 5 ml, 7ml and 10ml tubes
- Max. tube dimensions:  $\phi 17 \times 120$  mm
- Max. speed: 5000 rpm
- Max. centrifugal force: 4050 x g

Ordering Code: 457.300 + shields  
12ml 464.280 / 15ml 464.295



### Angle rotor

- 6 x 50 ml conical
- Max. tube dimensions:  $\phi 29 \times 120$  mm
- Max. speed: 5000 rpm
- Max. centrifugal force: 3490 x g

Ordering Code: 457.320 + shields 464.325

## SPECIAL APPLICATIONS ROTORS:



### Angle PCR rotor

- 6 x 8 PCR strip
- Max. tube dimensions:  $\phi 9 \times 22$  mm
- Max. speed: 14000 rpm
- Max. centrifugal force: 19500 x g

Ordering Code: 457.380

We reserve the right to alter specification details etc. without prior notice or liability!

V:06-20

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