

ADVANCED CENTRIFUGES

MAIN ADVANTAGES:

- > Robust Design, QUIET RUNNING
- > Brushless Drive System, MAINTENANCE FREE
- > Automatic Rotor Recognition System, SAFE TO USE
- > Speed Limitation System, SAFE TO USE
- > 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** (mark R means with refrigerating system) 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 **30.000 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
Code		457.3.500
Power supply		230V / 50-60Hz
Power requirement	centrifuge compressor	500W 600W
Fuses		2x10A T 2x16A T
Isolation category		I
Max. rotation speed		500 to 18.000 rpm, in steps of 10 rpm
Max. centrifugal force		30.000 x g
Max. load		4 x 100ml
Max. kinetic energy		6.200Nm
Max. density of material to be centrifuged		1,2g/ml
Time		0 - 99 min, HOLD function
Program settings		10 programs
Acceleration		0 - 9 levels
Deceleration		0 - 9 levels
Noise level		~ 58dB
Range of control for refrigeration		- 9°C to + 40°C
Low temperature option		»Lo« - 10°C
Refrigeration time »fast cool«		+ 20°C to + 4°C in app. 20min
Sample temperature at max. speed		0°C (at ambient temp. + 20°C)
Cooling medium		R 404 A
Permitted ambient temperature		+ 2°C to + 35°C
Permitted max. relative air humidity		75%
Communication		RS-232
Dimensions (H x W x D)		350 x 650 x 545 mm
Weight		79kg

Accessories for CENTRIC 400 R

	FOUR PLACE SWING OUT ROTOR RS 4/100				BUCKET (set of 4)			SEALED BUCKET (set of 4)			BUCKET (set of 4)					
	Code No. 457.200				Code No. 462.200			Code No. 464.200			Code No. 473.301					
INSERTS																
	Insert Code No.	462.203	462.203	462.203	462.203	473.303	462.240	462.208	464.220	462.213	462.218	462.218	462.224			
	Red. plate Code No. (set of 4)	464.203	464.205	464.207							462.222					
	Tube capacity (ml)	0.25	0.5	1.5	5-7	7	5-7	10-12	15	25	50	50	100			
	Places in insert	12	12	12	12	12	7	6	2	2	1	1	1			
	Max. No. of tubes	48	48	48	48	48	28	24	8	8	4	4	4			
	Tube dimension Ø x d (mm)	6 x 30 6 x 45	8 x 32	11 x 40	12 x 75	13 x 105 Vacutainer	12 x 75 Vacutainer	16 x 110 Vacutainer	16 x 120 Falcon	24 x 100	29 x 115 Falcon	36 x 100	44 x 100			
	Max. tube dimension Ø x d (mm)	6 x 45	8 x 45	11 x 45	12,5x100	13 x 105	12,5x100 cap Ø 17	16,5x105	16,5x121 cap Ø 35	25 x 110	29 x 115 cap Ø 35	36 x 110	44 x 100			
	Max. radius (mm)	138/151	138	144	151	151	151	148	151	148	148	148	148			
	Max. speed (RPM)	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000			
	Max. RCF (g)	3857/4220	3857	4024	4220	4220	4220	4136	4220	4136	4136	4136	4136			
Various angle rotors can accept up to 30 tubes arranged in one or two concentric rows. Tubes are placed in angle of 45°. Have in mind that the outer row has greater RCF.	ANGLE ROTOR RA 30/12 Code No. 457.300								ANGLE ROTOR RA 6/50 Code No. 457.320							
																
	Shields Code No. (set of 30)								464.325 (set of 6)							
	Adapter Code No. (1 pcs)								-							
	Adapter capacity (ml)								50							
	No. Of tubes per rotor								6							
	Max. tube dimension Ø x d (mm)								29 x 115 Falcon							
	Max. radius (mm)								125							
	Max. speed (RPM)								5000							
	Max. RCF (g)								3493							
	ANGLE ROTOR RA 24 incl. aluminium lid Code No. 456.600				ANGLE ROTOR RA 30 incl. aluminium lid Code No. 456.620				TWO-PLACE SWING OUT ROTOR Code No. 457.340				MICROTITER PLATE CARRIER (set of 2) Code No. 464.310			
																
	Max. capacity (ml)				24 x 2.0				30 x 2.0				No. of plates per rotor			
	Max. speed (RPM)				16.000				13.000				6 plates			
	Max. centrifugal force (x g)				24.000				18.510				Size of plate (mm)			
	Radius (mm)				86				98				86 x 128			
	Acceleration to max. speed (s)				30				30				Max. radius (mm)			
	Braking from max. speed (s)				30				30				132			
PCR strip ROTOR Code No. 457.380					Vial dimensions Ø x l (mm)				6 x 20							
					Max. no. of vials				48 (6 x 8)							
					Max. speed (RPM)				14.000							
					Max. centrifugal force (x g)				19.500							
					Radius (mm)				86							
					Acceleration to max. speed (s)				30							
					Braking from max. speed (s)				30							

On special request we can provide special custom tube adapter.

* Special dimensioned buckets and inserts

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

DOMEL[®]

DOMEL, d.o.o., Otoki 21, 4228 Železniki
BU Laboratory Systems, Na Plavžu 79, 4228 Železniki
 Phone: +386 4 5117 500 Fax: +386 4 5117 501
 WEB: <http://www.domel.com/products/laboratory-equipment>

E-mail: info@tehtnica.si