

CENTRIFUGE

CENTRIC 350

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 and Speed
- > Adjustable Acceleration and Braking System
- > Special START - STOP Features
- > Fast Spin Features
- > Up to 100 Programs



Centrifuge **CENTRIC 350** 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 **15.000 RPM** gives the centrifugal force of **21.630 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 100 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 SPECIFICATIONS

Model	CENTRIC 350
Code for	230V 473.000 115V 1473.000
Power supply	230V / 50-60Hz 115V / 50-60Hz
Power requirement	500W
Fuses	2x10A T - 230V 2x16A T - 115V
Isolation category	I
Max. rotation speed	200 to 15.000 rpm, in steps of 10 rpm
Max. centrifugal force	21.630 x g
Max. load	4 x 100ml
Max. kinetic energy	5.020Nm
Max. density of material to be centrifuged	1,2g/ml
Time	0 - 99 min, HOLD function
Program settings	100 programs
Acceleration	0 - 9 levels
Deceleration	0 - 9 levels
Noise level	~ 61dB
Sample temperature at max. speed	+ 15°C
Permitted ambient temperature	+ 2°C to + 35°C
Permitted max. relative air humidity	85%, non condensing
Dimensions (H x W x D)	325 x 405 x 500 mm
Weight	32kg

Accessories for CENTRIC 350

	FOUR PLACE SWING OUT ROTOR RS 4/100 Code No. 457.200				BUCKET (set of 4) Code No. 462.200				SEALED BUCKET (set of 4) Code No. 464.200				BUCKET (set of 4) 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 $\varnothing$ 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 $\varnothing$ x d (mm)	6 x 45	8 x 45	11 x 45	12,5x100	13 x 105	12,5x100 cap $\varnothing$ 17	17,5x110	17x120 cap $\varnothing$ 35	25 x 110	29 x 115 cap $\varnothing$ 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)	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400	4400			
Max. RCF (g)	2980/3260	2980	3110	3260	3260	3260	3200	3260	3200	3200	3200	3200			
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)	464.280						464.295		464.325 (set of 6)						
Adapter Code No. (1 pcs)	454.141	454.147	454.151			-	-	-	-						
Adapter capacity (ml)	5	7	10			12	15	50							
No. Of tubes per rotor	30	30	30			30	30	6							
Max. tube dimension $\varnothing$ x d (mm)	12 x 75 Vacutainer	12 x 100 Vacutainer	16 x 100 Vacutainer			16 x 100 Vacutainer	16 x 120	29 x 115 Falcon							
Max. radius (mm)	113 / 69	130 / 115	121 / 106			130 / 115	145 / 130	125							
Max. speed (RPM)	4400	4400	4400			4400	4400	4400							
Max. RCF (g)	2440/1490	2810/2480	2610/2290			2810/2480	3130/2810	2700							
PCR strip ROTOR Code No. 457.380	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)			15.000			13.000			6 plates					
	Max. centrifugal force (x g)			21.630			18.510			Size of plate (mm)					
	Radius (mm)			86			98			86 x 128					
	Acceleration to max. speed (s)			18			15			Max. radius (mm)					
Braking from max. speed (s)			16			14			132						
									Max. speed (RPM)						
									3000						
									Max. RCF (g)						
									1320						
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On special request we can provide special custom tube adapter.

* Special dimensioned buckets and inserts