CENTRIFUGE CENTRIC 400 R

Refrigerated centrifuges

Tailored for medical, industrial, and scientific labs. Combining user-friendly features with a wide selection of rotors, it's the ultimate solution for precise, temperature-sensitive applications. Elevate your lab's performance with this advanced refrigerated centrifuge.

TECHNICAL SPECIFICATIONS	
Model	Centric 400 R
Max. G force	31.151 rcf
Rotational speed	500 to 18.000 rpm, step of 10 rpm
Max. capacity	
Angle rotor	6 x 50 ml
Swing-out rotor	4 x 200 ml
Rotors available	11
Acceleration levels	10
Deceleration levels	10 (level 0 without braking)
Display	LED
Timer	1 s to 99 min 50 sec and continuous, step 10 s
Fast spin with preselected speed	yes
Temperature set range	-9°C to +40°C
Fast cooling 20°C to 4°C	in approximately 15 min
Max. power consumption	930 W
Noise level(at max. speed)	< 58 dB(A)
Dimension (H x W x D)	350 x 650 x 545 mm
Crating (H x W x D)	420 x 750 x 650 mm
Weight (Net/Crated)	79,0 / 101,0 kg
Height (with open lid)	709 mm
Program settings	10 programs
Lid locking mechanism	motorized
Lid lock	2 latches
Motor type	induction brushless motor
Permitted working ambient	"temperature 2°C to 35°C, rh 75% non-condensing"

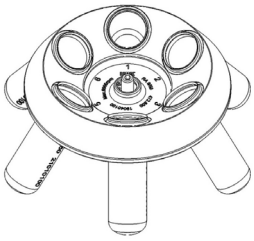
ORDER INFORMATION	
230 V, 50/60 Hz	Centric 400 R
Code	457.501
Order ref.	473185
230 V, 50/60 Hz	Centric 400 R
Code	457.500/UK
Order ref.	462541
120 V, 50/60 Hz	Centric 400R 120 V
Code	1.457.500
Order ref.	354380

For more information visit Domel website: https://labs.domel.com / Technical specifications subject to change.
*The time may vary at different rotors, loads or voltage

DOMEL

ANGLE ROTOR RA 6/50

Up to 6 x 50 ml centrifuge tubes
Buckets included



Rotor specifications	RA 6/50
Max. speed	5.000 rpm
Max. G force	3.633 rcf
Radius	130 mm
Angle	45°
Max. capacity	6 x 50 ml
Min. acceleration time	20 s
Min. braking time	20s
Rotor and buckets autoclavable	yes
Code	457.450
Order ref.	448914

Spare shields (set of 6)	B 50 SS
Code	472.946
Order ref.	448815

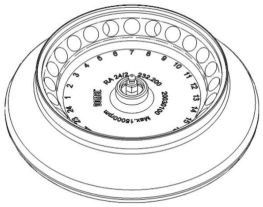
	Conical tubes	Conical tubes
Nominal volume	15 ml	50 ml
Tube dimensions (d x l)	17 x 120 mm	30 x 115 mm
Adapter	A 15	/
No. of tubes / rotor	6	6
No. of adapters / rotor	6	0
Code	464.300	
Order ref.	469092	

EQUIPMENT

DOMEL

ANGLE ROTOR RA 24/2

Up to 24 x 2 ml centrifuge microtubes
Lid included



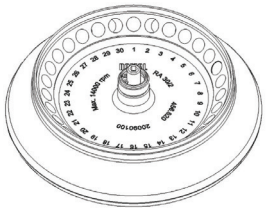
Rotor specifications	RA 24/2
Max. speed	18.000 rpm
Max. G force	31.151 rcf
Radius	86 mm
Angle	45°
Max. capacity	24 x 2,0 ml
Min. acceleration time*	22 s
Min. braking time*	23 s
Rotor and lid autoclavable	yes
Code	456600
Order ref.	228442

	PCR tubes	PCR tubes	Microtubes
Nominal volume	0,2/0,4 ml	0,5 ml	1,5 - 2,0 ml
Tube dimensions (d x l)	6 x 18 mm	8 x 30 mm	11 x 38 mm
Adapter	A 0,2	A 0,5	/
No. of tubes / rotor	24	24	24
No. of adapters / rotor	24	24	0
Code	456.625	456.626	
Order ref.	284351	284349	

*at acceleration and deceleration level 9

ANGLE ROTOR RA 30/2

Up to 30 x 2 ml centrifuge microtubes
Lid included



Rotor specifications	RA 30/2
Max. speed	14.000 rpm
Max. G force	21.474 rcf
Radius	98 mm
Angle	45°
Max. capacity	30 x 2,0 ml
Min. acceleration time	16 s
Min. braking time	20 s
Rotor and lid autoclavable	yes
Code	456.620
Order ref.	228451

	PCR tubes	PCR tubes	Microtubes
Nominal volume	0,2-0,4 ml	0,5 ml	1,5 - 2,0 ml
Tube dimensions (d x l)	6 x 18 mm	8 x 30 mm	11 x 38 mm
Adapter	A 0,2	A 0,5	/
No. of tubes / rotor	30	30	30
No. of adapters / rotor	30	30	0
Code	456.625	456.626	
Order ref.	284351	284349	

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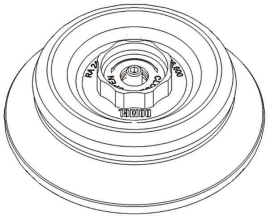
ANGLE ROTOR RA 24/2 AEROSOL

Up to 24 x 2 ml centrifuge microtubes
Aerosol-Tight Lid included

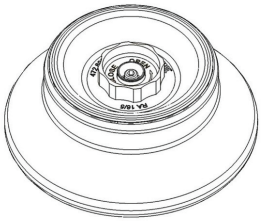


Rotor specifications	RA 24/2 AERO
Max. speed	18.000 rpm
Max. G force	31.151 rcf
Radius	86 mm
Angle	45°
Max. capacity	24 x 2,0 ml
Min. acceleration time	19 s
Min. braking time	21 s
Rotor and lid autoclavable	yes
Code	473.400
Order ref.	375944

	PCR tubes	PCR tubes	Microtubes
Nominal volume	0,2 - 0,4 ml	0,5 ml	1,5 - 2,0 ml
Tube dimensions (d x l)	6 x 18 mm	8 x 30 mm	11 x 38 mm
Adapter	A 0,2	A 0,5	/
No. of tubes / rotor	24	24	24
No. of adapters / rotor	24	24	0
Code	456.625	456.626	
Order ref.	284351	284349	

ANGLE ROTOR RA 16/5

Up to 16 x 5 ml centrifuge microtubes
Aerosol-Tight Lid included



Rotor specifications	RA 16/5
Max. speed	14.000 rpm
Max. G force	21.474 rcf
Radius	98 mm
Angle	45°
Max. capacity	16 x 5,0 ml
Min. acceleration time	15 s
Min. braking time	21 s
Rotor and lid autoclavable	yes
Code	472.890
Order ref.	403055

	Microtubes
Nominal volume	5 ml
Tube dimensions (d x l)	15,6 x 60 mm
Adapter	/
No. of tubes / rotor	16

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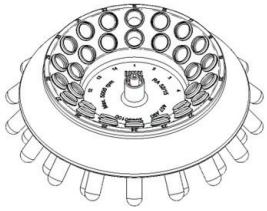
ANGLE ROTOR RA 30/15

Up to 30 x 15 ml centrifuge tubes
With shields included



Rotor specifications	RA 30/15
Max. speed	5.000 rpm
Max. G force	4.276 rcf
Radius	153 mm
Angle	45°
Max. capacity	30 x 15 ml
Min. acceleration time	20 s
Min. braking time	21 s
Rotor and shields autoclavable	yes
Code	457.490
Order ref.	454656

Spare shields (set of 30)	B 15 SS L
for 15 ml conical tubes	
Code	457.475
Order ref.	450.213

	Blood collection tubes	Blood collection tubes	Conical tubes
Nominal volume (ml)	7 - 10 ml	10 - 12 ml	15 ml
Tube dimensions (d x l)	13 x 100 mm	16 x 100 mm	17 x 120 mm
Adapter	/	/	/
No. of tubes / rotor	30	30	21
No. of adapters / rotor	0	0	0
Code			
Order ref.			

EQUIPMENT

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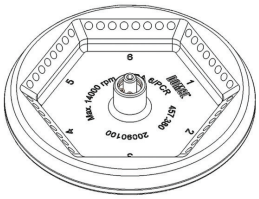
ANGLE ROTOR RA 6/PCR

Up to 6 x PCR strips



Rotor specifications	RA 6/PCR
Max. speed	14.000 rpm
Max. G force	20.159 rcf
Radius	92 mm
Angle	48°
Max. capacity	6 x PCR strip
Min. acceleration time	20 s
Min. braking time	21 s
Rotor autoclavable	yes

Code	457.380
Order ref.	273335

	8 Well PCR Tube Strip
Nominal volume	0,2 ml
Tube dimensions (d x l)	/
Adapter	/
No. of tubes / rotor	48

EQUIPMENT

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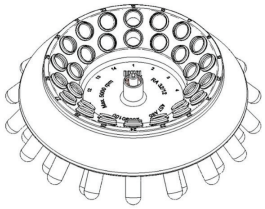
ANGLE ROTOR RA 30/12

Up to 30 x 12 ml blood collection tubes or 15 x 15 ml conical tubes



Rotor specifications	RA 30/12
Max. speed	5.000 rpm
Max. G force	3.913 rcf
Radius	140 mm
Angle	45°
Max. capacity	30 x 15 ml
Min. acceleration time	20 s
Min. braking time	21 s
Rotor and shields autoclavable	yes
Code	457.485
Order ref.	454655

Spare shields (set of 30)	B 15 SS
for 5ml to 12ml blood collection tubes	
Code	457.470
Order ref.	450212

	Blood collection tubes	Blood collection tubes	Blood collection tubes	Conical tubes
Nominal volume	5 ml	7 - 10 ml	10 - 12 ml	15 ml
Tube dimensions (d x l)	13 x 75 mm	13 x 100 mm	16 x 100 mm	17 x 120 mm
				/
Adapter	A 5			/
No. of tubes / rotor	30	30	30	15
No. of adapters / rotor	30	0	0	0
Code				
Order ref.				

EQUIPMENT

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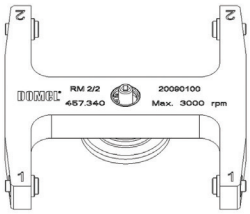
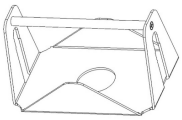
SWING-OUT ROTOR RM 2/3

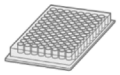
Up to 6 x MTP or 2 deepwell plates
MTP Carriers not included



Rotor specifications	RM 2/3
Max. speed	3.000 rpm
Max. G force	1.328 rcf
Radius	132 mm
Angle	90°
Max. capacity	6 x MTP
Min. acceleration time	20 s
Min. braking time	21 s
Rotor autoclavable	yes
Code	457.340
Order ref.	270848

MTP Carriers (set of 2)	BM 3
Code	464.310
Order ref.	168790
Carriers autoclavable	yes



	Standard MTP	Deep Well Plate
		
Nominal volume	96 x 220 µl	96 x 350 µl
Plate dimensions (d x l x h)	128 x 86 x 15 mm	128 x 86 x 45 mm
No. of MTP / rotor	6	2

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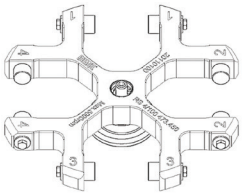
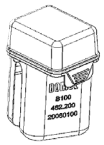
SWING-OUT ROTOR RS 4/100

Up to 4 x 100 ml centrifuge tubes

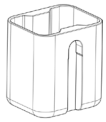


Rotor specifications	RS 4/100
Max. speed	5.000 rpm
Max. G force	4.304 rcf
Radius	154 mm
Angle	90°
Max. capacity	4 x 100 ml
Min. acceleration time	18 s
Min. braking time	20 s
Rotor autoclavable	yes
Code	473.450
Order ref.	450653

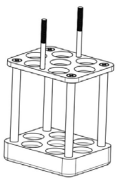
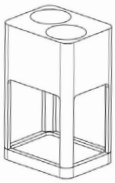
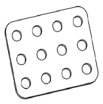
Buckets B 100(set of 4)	B 100
Code	462.200
Order ref.	168721
Buckets autoclavable	yes



Buckets with lids(set of 4)	BL 100
Code	464.200
Order ref.	168781
Lid autoclavable	no



Buckets B 100 XL(set of 4)	B100 XL
Code	473.301
Order ref.	322022
Buckets autoclavable	yes

	PCR tubes	PCR tubes	Microtubes	Open glass tubes	Blood collection tubes	Open glass tubes
Nominal volume	0,2 ml	0,5 ml	1,5 - 2,0 ml	5 ml	5 ml	25 ml
Tube dimensions (d x l)	6 x 18 mm	8 x 30 mm	11 x 38 mm	12 x 75 mm	12 x 75 mm	24 x 100 mm
					13 x 100 mm	
						
Inserts (set of 4)	I 100 12/5	I 100 12/5	I 100 12/5	I 100 12/5	I 100 7/5-7	I 100 2/25
No. of tubes / insert	12	12	12	12	7	2
No. of tubes / rotor	48	48	48	48	28	8
Code	462.203	462.203	462.203	462.203	462.240	462.213
Order ref.	168722	168722	168722	168722	168737	168724
Inserts autoclavable	yes	yes	yes	yes	yes	yes
Adapter / Reducer Plate (set of 4)	A 0,2	A 0,5	A 1,5			
						
Radius	162 mm	162 mm	162 mm	162 mm	163 mm	161 mm
G force	3505 rcf	3505 rcf	3505 rcf	3505 rcf	3527 rcf	3484 rcf
Code	464.203	464.205	464.207			
Order ref.	168782	168783	168784			
Adapters autoclavable	yes	yes	yes			

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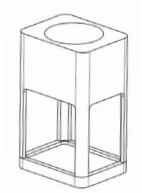
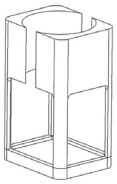
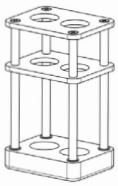
	Conical tubes	Open glass tubes	Open glass tubes	Blood collection tubes	Conical tubes	Blood collection tubes
Nominal volume	50 ml	50 ml	100 ml	10 - 12 ml	15 ml	5 - 7 ml
Tube dimensions (d x l)	30 x 115 mm	36 x 100 mm	44 x 100 mm	16 x 100 mm	17 x 120 mm	13 x 75 mm
						13 x 100 mm
						
Inserts (set of 4)	I 100 1/50	I 100 1/50	I 100 1/100	I 100 6/10 -12	I 100 2/15	I 100 12/5-7 XL(only for buckets B 100 XL)
No. of tubes / insert	1	1	1	6	2	12
No. of tubes / rotor	4	4	4	24	8	48
Code	462.218	462.218	462.224	462.208	462.220	
Order ref.	168725	168725	168726	168723	168785	
Inserts autoclavable	yes	yes	yes	yes	yes	
Adapter / Reducer Plate (set of 4)						
Radius	161 mm	161 mm	161 mm	161 mm	163 mm	151 mm
G force	3484 rcf	3484 rcf	3484 rcf	3484 rcf	3527 rcf	3267 rcf
Code	462.222					473.303
Order ref.	168738					322015
Adapters autoclavable	yes					yes

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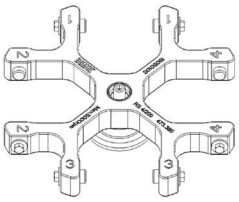
SWING-OUT ROTOR RS 4/200

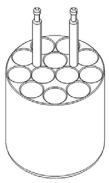
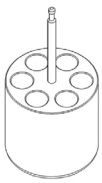
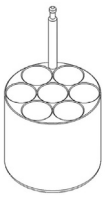
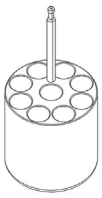
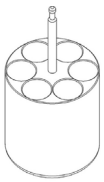
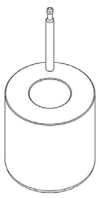
Up to 4 x 200 ml centrifuge tubes

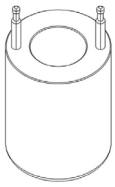
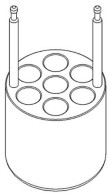


Rotor specifications	RS 4/200
Max. speed	5.000 rpm
Max. G force	4.444 rcf
Radius	159 mm
Angle	90°
Max. capacity	4 x 200 ml
Min. acceleration time	18 s
Min. braking time	20 s
Rotor autoclavable	yes
Code	473.380
Order ref.	383672

Buckets B 200(set of 4)	B 200
Code	233.700
Order ref.	424173
Buckets autoclavable	yes

Lids for B 200(set of 4)	BL 200
Code	233.720
Order ref.	412627
Lid autoclavable	no

	Open glass tubes	Blood collection tubes	Blood collection tubes BD	Blood collection tubes Terumo	Blood collection tubes	Skirted tubes
Nominal volume	5 ml	5 - 7 ml	5 - 7 ml	5 - 7 ml	10 - 12 ml	30 ml
Tube dimensions (d x l)	13 x 75 mm	13 x 75 mm	13 x 75 mm	13 x 75 mm	13 x 75 mm	24 x 100 mm
		13 x 100 mm	13 x 100 mm	13 x 100 mm	16 x 100 mm	25 x 110mm
						
Inserts (set of 4)	I 200 12/5	I 200 6/5-7	I 200 7/5-7	I 200 9/5-7	I 200 6/10	I 200 1/30
No. of tubes / insert	12	6	7	9	6	1
No. of tubes / rotor	48	24	28	36	24	4
Radius	156,2 mm	157,2 mm	157,2 mm	155,2 mm	156,2 mm	156,2 mm
G force	3380 rcf	3402 rcf	3402 rcf	3358 rcf	3380 rcf	3380 rcf
Code	233.770	233.790	233.810	233.830	233.850	233.890
Order ref.	424176	424177	424178	424179	424180	424182
Inserts autoclavable	yes	yes	yes	yes	yes	yes

	Conical tubes	Blood collection tubes BD	Conical tubes
Nominal volume	50 ml	10 - 12 ml	15 ml
Tube dimensions (d x l)	30 x 115 mm	16 x 100 mm	17 x 120 mm
			
Inserts (set of 4)	I 200 1/50	I 200 7/10	I 200 3/15
No. of tubes / insert	1	7	3
No. of tubes / rotor	4	28	12
Radius	157,2 mm	156,2 mm	159,2 mm
G force	3402 rcf	3380 rcf	3445 rcf
Code	233.750	233.870	233.730
Order ref.	424175	424181	424174
Inserts autoclavable	yes	yes	yes