

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922) 49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Ижевск (3412)26-03-58
Иваново (4932)77-34-06
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Россия (495)268-04-70

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Сургут (3462)77-98-35
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Казахстан (772)734-952-31

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

<https://hettich.nt-rt.ru> || hce@nt-rt.ru

Центрифуга с охлаждением напольная ROTIXA 500 RS

FLOORSTANDING CENTRIFUGES

— ROTIXA 500 RS

SMALL FOOTPRINT - HIGH VOLUMES

Its durable components make the ROTIXA 500 RS a reliable unit with a long service life. High sample capacity and maximum RCF of 5,252 make it suitable for 4 x 450-750 ml blood bags. Specially designed buckets keep blood bags upright during centrifugation for improved separation of blood components. In industrial research labs, it accommodates 4 bottles up to 1,000 ml, specialty racks, as well as container and vessels for various applications.

This unit includes refrigeration with a temperature range from -20°C to +40°C.



— HIGHLIGHTS

- RPM: 50 - 11,500 min⁻¹
Adjustable in increments of 10
- RCF: 50 - 18,038
Adjustable in increments of 1
- max. capacity: 4 x 1,000 ml
- Choice of 5 rotors
- Medical Device according to directive 93/42/EC
- easy operation with keypad and control knob
- 89 program memories for more individuality
- 19 individual acceleration and deceleration stages

— FEATURES

- metal housing and lid
- viewing port in the lid
- powered one hand lid lock
- lid dropping protection
- emergency lid lock release
- stainless steel chamber
- automatic rotor recognition
- brushless drive
- error display
- display in °C and °F possible
- imbalance monitoring and switch-off

TECHNICAL DATA

ROTIXA 500 RS ^{>)} refrigerated

voltage *)	230 – 240 V 1 ~	220 V 1 ~
frequency	50 Hz	60 Hz
consumption	3,800 VA	
emission, immunity	EN/IEC 61326-1, class B	
max. capacity	4 x 1,000 ml	
max. RPM	11,500 min ⁻¹	
max. RCF	18,038	
running time	1 – 999 min: 59 s, ∞ continuous run	
dimensions (WxDxH)	650x814x973 mm	
weight	approx. 219 kg	
noise level	58 dB (A) with rotor 4282	
temperature control, infinitely variable	from -20 to +40 °C	
Cat. No.	4950	

*) Other voltages on request.

>) Other models on request.

AVAILABLE ROTORS

SWING-OUT ROTORS

		angle	max. RPM	max. capacity	Cat. No.	page
	swing-out rotor, 4-place	90°	4,500 min ⁻¹	4 x 1,000 ml	4294	3
	swing-out rotor, 6-place	90°	4,000 min ⁻¹	6 x 250 ml	4296	9
	swing-out rotor, 2-place	90°	3,600 min ⁻¹	20 plates	4282	11

ANGLE ROTORS

	angle rotor, 6-place	25°	9,500 min ⁻¹	6 x 250 ml	4266	12
	angle rotor, 6-place	45°	11,500 min ⁻¹	6 x 94 ml	4246	13

SWING-OUT ROTOR, 4-PLACE | 4294

Rotor

max. RPM max. RCF ²⁾	4,500 min ⁻¹ 4,958
max. capacity	4 x 750 ml
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +6
Cat. No.	4294

Bucket

lid	4229-B
Cat. No.	4295-A

Tubes

capacity in ml	0.8	1.5	2.0	4	5	6	7	9	12	15	25	50	94	100
Ø x L in mm	8x45	11x38	11x38	10x88	12x75	12x82	12x100	14x100	16x101	17x100	24x100	34x100	38x102	40x115
max. RCF ²⁾	4,777	3,690	4,867	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777
radius in mm	211	163	215	211	211	211	211	211	211	211	211	211	211	211
Cat. No.	microliter tubes						tubes²⁾							

Adapter

boring Ø x L in mm	8.2x36	11.2x46	11.2x46	11x74	12.5x36	12.5x74	12.5x74	16 x 74	16 x 74	17.5x74	26x74	35x74	41.5x74	41.5x74
tubes per rotor	312	336	336	252	192	192	192	100	100	120	44	24	16	16
Cat. No.	4226	4225	4225	4224	4213-93	4213	4213	4223	4223	4214	4215	4216	4218	4218

Tubes

capacity in ml	2.6–3.4	2.7–3	4–5.5	4.5–5	7.5–8.5	9–10	10	1.6–5	4–7	4–7	8	8.5–10	15	50
Ø x L in mm	13 x 65	11x66	15x75	11x92	15x92	16x92	15x102	13 x 75	13 x 100	16x75	16x125	16x100	17x120	29x115
max. RCF ²⁾	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,777	4,958	4,958
radius in mm	211	211	211	211	211	211	211	211	211	211	211	211	219	219
Cat. No.	blood collection / urine tubes												tubes with screw cap	

Adapter

boring Ø x L in mm	13.2x36	12.5x36	17.5x36	12.5x74	17.5x74	17.5x74	17.5x74	13.2x36	13.2x74	17.5x36	16x74	17.5x74	17x70	30x70
tubes per rotor	120	192	120	192	120	64	120	120	120	120	100	120	92	32
Cat. No.	4222-93	4213-93	4214-93	4213	4214	4220	4214	4222-93	4222	4214-93	4223	4214	4232	4245-A

Tubes

capacity in ml	12	30	50	100	100	250	290	600	650	750	750	250	500
Ø x L in mm	17x100	25x110	29x115	40x115	40x115	61 x 122	62 x 137	93 x 137	97 x 139	97 x 152	96 x 135	60 x 162	96 x 147
max. RCF ²⁾	4,777	4,777	4,867	4,777	4,777	4,777	4,777	4,958	4,958	4,958	4,958	4,777	4,958
radius in mm	211	211	215	211	211	211	211	219	219	219	219	211	219
Cat. No.	tubes with screw cap						5127²⁴⁾	-²⁴⁾	0551²⁴⁾	0554²⁴⁾	0512²⁴⁾	4234-A	Corning® +4449

Adapter

boring Ø x L in mm	17.5x74	26 x 74	30 x 96	41.5 x 74	41.5 x 74	62 x 90	62 x 90	94 x 105	97.5x105	97.5x105	97.5x105	61 x 125	97.5x105
tubes per rotor	64	44	24	16	16	4	4	4	4	4	4	4	4
Cat. No.	4220	4215	4249	4218	4218	4238	4238	4233	4258	4258	4258	6322	4258

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

3.13) When using these tubes, bucket 4295-A cannot be closed with lid 4229-B.

24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

SWING-OUT ROTOR, 4-PLACE | 4294

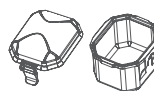
Rotor

max. RPM max. RCF ²⁾	4.500 min ⁻¹ 4.618
max. capacity	40 x 50 ml
run-up run-down, braked in sec	115 116
angle	90°
temperature in °C ¹⁾	+2
Cat. No.	4294



Bucket

lid bioseal ³⁾	4291
Cat. No.	4290



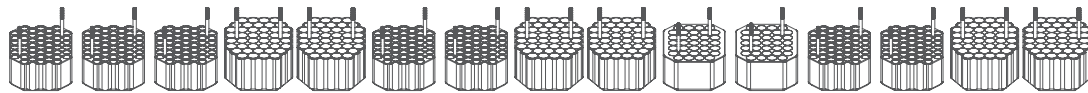
Tubes

capacity in ml	5	6	7	9	12	2.6–3.4	4.9	4–5.5	7.5–8.5	9–10	10	1.6–5	4–7	4–7	8.5–10
Ø x L in mm	12x75	12x82	12x100	14x100	16x101	13 x 65	13x90	15x75	15x92	16x92	15x102	13 x 75	13 x 100	16x75	16x100
max. RCF ²⁾	4,551	4,551	4,551	4,551	4,551	4,551	4,551	4,551	4,551	4,573	4,573	4,551	4,551	4,551	4,551
radius in mm	201	201	201	201	201	201	201	201	201	202	202	201	201	201	201
Cat. No.	tubes²⁾					blood collection / urine tubes									



Adapter

boring Ø x L in mm	13.2x57	13.2x57	13.2x57	17.5 x 62	17.5 x 62	13.2x57	13.2x57	17.5 x 62	17.5 x 62	17.5 x 63	17.5 x 63	13.2 x 57	13.2 x 57	17.5 x 62	17.5 x 62
tubes per rotor	200	200	200	168	168	200	200	168	168	132	132	200	200	168	168
Cat. No.	4273	4273	4273	4338	4338	4273	4273	4338	4338	4311	4311	4273	4273	4338	4338



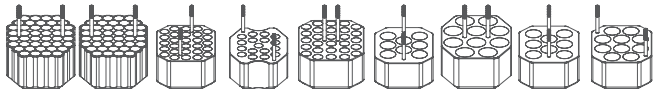
Tubes

capacity in ml	15	10	12	15	15	50	50	50	50
Ø x L in mm	17x100	16x80	17x100	17x120	17x120	29x115	29x115	29x115	29x115
max. RCF ²⁾	4,551	4,551	4,437	4,618	4,618	4,618	4,618	4,528	4,528
radius in mm	201	201	196	204	204	204	204	200	200
Cat. No.	- 2)	tubes with screw cap							



Adapter

boring Ø x L in mm	17.5 x 62	17.5 x 62	17.2 x 57	17 x 60	17 x 60	30 x 60	30 x 60	30 x 56	30 x 56
tubes per rotor	168	168	112	68	112	32	40	32	40
Cat. No.	4338	4338	4310	4314	4320^{3,12)}	4321	4323^{3,12)}	4313	4339^{3,12)}



1) For cooled versions: Lowest temperature achievable with precooling and max. speed.

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers.
The max. RCF for glass tubes annotated with footnote 2) is 4,000.

3.12) When using these tubes, bucket 4290 cannot be closed with lid 4291.

3.13) When using these tubes, bucket 4295-A cannot be closed with lid 4229-B.

24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

— SWING-OUT ROTOR, 4-PLACE | 4294

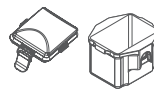
Rotor

max. RPM max. RCF ²⁾	4,500 min ⁻¹ 4,573
max. capacity	24 plates
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +5
Cat. No.	4294



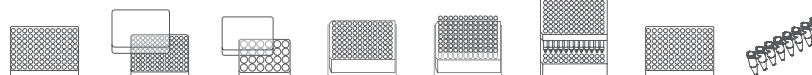
Bucket

lid bioseal ³⁾	5629
Cat. No.	4280



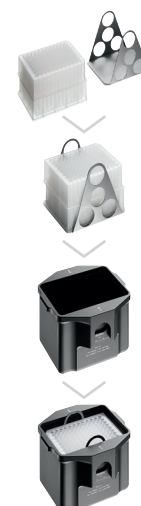
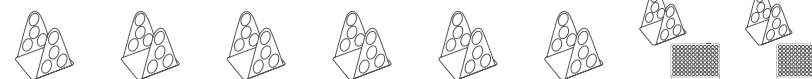
Plates

W x D x H in mm	128x86x15	128x86x17.5	128x86x22	128x86x44.5	128x86x46	128x86x83	124x82x20	-
capacity in ml	-	-	-	-	-	-	-	0.2
max. RCF ²⁾	4,573	4,573	4,573	4,573	4,573	4,573	4,573	4,573
radius in mm	202	202	202	202	202	202	202	202
Cat. No.	MTP	MTP	CP	DWP	MS	QP	PCR plates 96-places	PCR strips



Removal aid

boring Ø x L in mm	-	-	-	-	-	-	-	-
plates / strips per rotor	24	24	20	8	4	4	4	48 x 8
Cat. No.	4279	4279	4279	4279	4279	4279	4279 + 1485	4279 + 1485



— SWING-OUT ROTOR, 4-PLACE | 4294

Rotor

max. RPM max. RCF ²⁾	4,500 min ⁻¹ 4,867
max. capacity	20 Racks
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +7
Cat. No.	4294



Bucket

Cat. No.	4257
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Rack

W x D x H in mm	118 x 20 x 70
capacity in ml	-
max. RCF ²⁾	4,867
radius in mm	215
Cat. No.	Hitachi Rack



Removal aid

boring Ø x L in mm	-
tubes per rotor	20
Cat. No.	4259-A²³⁾



- 1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
- 2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.
- 23) When using removal frame 4259-A, please take the spacer out of carrier 4257.

SWING-OUT ROTOR, 4-PLACE | 4294

Rotor	
max. RPM max. RCF ²⁾	4,500 min ⁻¹ 5,184
max. capacity	4 x 1,000 ml
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +5
Cat. No.	4294

Bucket	
adapter including lid	4255
Cat. No.	4254



Tubes															
capacity in ml	5	7	9	15	25	50	100	2.6-3.4	2.7-3	4-5.5	4.5-5	4.9	7.5-8.5	9-10	10
Ø x L in mm	12x75	12x100	14x100	17x100	24x100	34x100	44x100	13 x 65	11x66	15x75	11x92	13x90	15x92	16x92	15x102
max. RCF ²⁾	4,618	4,618	4,777	4,777	4,505	4,573	4,551	4,618	4,618	4,777	4,618	4,618	4,777	4,777	4,777
radius in mm	204	204	211	211	199	202	201	204	204	211	204	204	211	211	211
Cat. No.	tubes²⁾							blood collection / urine tubes							

Adapter															
boring Ø x L in mm	13 x 58	13 x 58	17.5 x 53	17.5 x 53	26 x 72	36 x 79	45 x 78	13.5 x 58	13 x 58	17.5 x 53	13 x 58	13.5 x 58	17.5 x 53	17.5 x 53	17.5 x 53
tubes per rotor	120	120	76	76	28	16	8	84	120	76	120	84	76	76	76
Cat. No.	4433	4433	4434	4434	4438	4439	4442	4435	4433	4434	4433	4435	4434	4434	4434

Tubes															
capacity in ml	1.6-5	4-7	4-7	8	8.5-10	15	30	50	25	30	10	250	290	650	750
Ø x L in mm	13x75	13x100	16x75	16x125	16x100	17x120	25 x 110	29x115	25x90	25 x 110	16 x 80	61 x 122	62 x 137	97 x 139	97 x 152
max. RCF ²⁾	4,618	4,618	4,777	4,777	4,777	4,890	4,709	4,890	4,709	4,709	4,777	5,003	5,003	5,184	5,184
radius in mm	204	204	211	211	211	216	208	216	208	208	211	221	221	229	229
Cat. No.	blood collection / urine tubes					tubes with screw cap						5127²⁴⁾	-²⁴⁾	0554²⁴⁾	0512²⁴⁾

Adapter															
boring Ø x L in mm	13.5 x 58	13.5 x 58	17.5 x 53	17.5 x 53	17.5 x 53	17 x 88	26 x 72	30 x 87	26 x 72	26 x 72	17.5 x 53	62 x 92	62 x 92	98 x 138	98 x 138
tubes per rotor	84	84	76	76	76	48	28	20	28	28	76	4	4	4	4
Cat. No.	4435	4435	4434	4434	4434	4437	4438	4441	4438	4438	4434	4443	4443	-	-

Tubes								
capacity in ml	1,000	1,000	175	175	200	225	250	500
Ø x L in mm	96 x 176	98 x 138	61 x 118	61.5x144	60 x 130	61 x 137	60 x 162	96 x 147
max. RCF ²⁾	5,184	5,184	5,184	5,184	5,184	5,184	5,184	5,184
radius in mm	229	229	229	229	229	229	229	229
Cat. No.	4239²⁴⁾	4255	Falcon	Nalgene	Nunc®	Falcon	Corning®	Corning®

Adapter						
boring Ø x L in mm	98 x 138	-	-	-	-	-
tubes per rotor	4	4	4	4	4	4
Cat. No.	-	-	4440	4430	4430	4449

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.

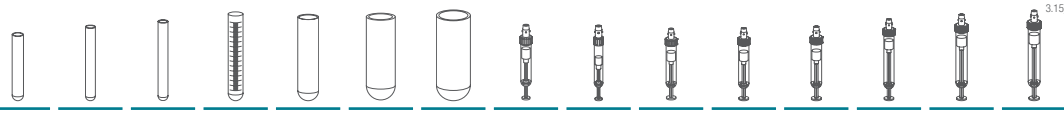
2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

3.15) When using these tubes, bucket 4255 cannot be closed with its lid.

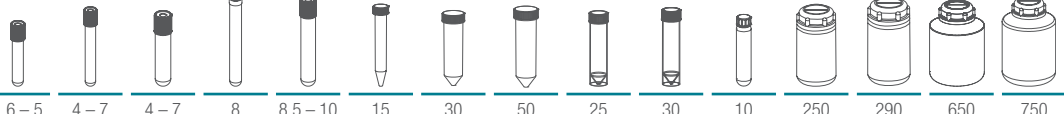
24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

SWING-OUT ROTOR, 4-PLACE | 4294

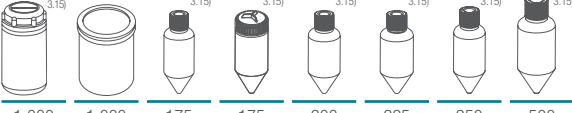
			
Rotor		Bucket	
max. RPM max. RCF ²⁾	4,500 min ⁻¹ 5,184	Adapter	4255
max. capacity	4 x 1,000 ml	Cat. No.	4254
run-up run-down, braked in sec	115 116		
angle temperature in °C ¹⁾	90° +5		
Cat. No.	4294		

	
Tubes	
capacity in ml	5 7 9 15 25 50 100 2.6–3.4 2.7–3 4–5.5 4.5–5 4.9 7.5–8.5 9–10 10
Ø x L in mm	12x75 12x100 14x100 17x100 24x100 34x100 44x100 13x65 11x66 15x75 11x92 13x90 15x92 16x92 15x102
max. RCF ²⁾	4,618 4,618 4,777 4,777 4,505 4,573 4,551 4,618 4,618 4,777 4,618 4,618 4,777 4,777 4,777
radius in mm	204 204 211 211 199 202 201 204 204 211 204 204 211 211 211
Cat. No.	tubes²⁾ blood collection / urine tubes

	
Adapter	
boring Ø x L in mm	13 x 58 13 x 58 17.5 x 53 17.5 x 53 26 x 72 36 x 79 45 x 78 13.5 x 58 13 x 58 17.5 x 53 13 x 58 13.5 x 58 17.5 x 53 17.5 x 53 17.5 x 53
tubes per rotor	120 120 76 76 28 16 8 84 120 76 120 84 76 76 76
Cat. No.	4433 4433 4434 4434 4438 4439 4442 4435 4433 4434 4433 4435 4434 4434 4434

	
Tubes	
capacity in ml	1.6–5 4–7 4–7 8 8.5–10 15 30 50 25 30 10 250 290 650 750
Ø x L in mm	13x75 13x100 16x75 16x125 16x100 17x120 25 x 110 29x115 25x90 25 x 110 16 x 80 61 x 122 62 x 137 97 x 139 97 x 152
max. RCF ²⁾	4,618 4,618 4,777 4,777 4,777 4,890 4,709 4,890 4,709 4,709 4,777 5,003 5,003 5,184 5,184
radius in mm	204 204 211 211 211 216 208 216 208 208 211 221 221 229 229
Cat. No.	blood collection / urine tubes tubes with screw cap 5127²⁴⁾ -²⁴⁾ 0554²⁴⁾ 0512²⁴⁾

	
Adapter	
boring Ø x L in mm	13.5 x 58 13.5 x 58 17.5 x 53 17.5 x 53 17.5 x 53 17 x 88 26 x 72 30 x 87 26 x 72 26 x 72 17.5 x 53 62 x 92 62 x 92 98 x 138 98 x 138
tubes per rotor	84 84 76 76 76 48 28 20 28 28 76 4 4 4 4
Cat. No.	4435 4435 4434 4434 4434 4437 4438 4441 4438 4438 4434 4443 4443 - -

	
Tubes	
capacity in ml	1,000 1,000 175 175 200 225 250 500
Ø x L in mm	96 x 176 98 x 138 61 x 118 61.5x144 60 x 130 61 x 137 60 x 162 96 x 147
max. RCF ²⁾	5,184 5,184 5,184 5,184 5,184 5,184 5,184 5,184
radius in mm	229 229 229 229 229 229 229 229
Cat. No.	4239²⁴⁾ 4255 Falcon Nalgene Nunc[®] Falcon Corning[®] Corning[®]

	
Adapter	
boring Ø x L in mm	98 x 138 - - - - - - -
tubes per rotor	4 4 4 4 4 4 4 4
Cat. No.	- - 4440 4430 4430 4440 4430 4449

1) For cooled versions: Lowest temperature achievable with precooling and max. speed.

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

3.15) When using these tubes, bucket 4255 cannot be closed with its lid.

24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

— SWING-OUT ROTOR, 4-PLACE | 4294



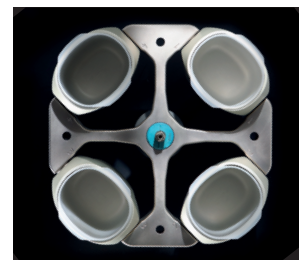
Rotor

max. RPM max. RCF ²⁾	4,500 min ⁻¹ 5,252
max. capacity	4 blood bags
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +2
Cat. No.	4294



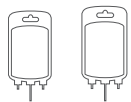
Bucket

Cat. No.	4293
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Blood bags

capacity in ml	450	500
blood bags	3-place	3-place
max. RCF ²⁾	5,252	5,252
radius in mm	232	232



Cat. No.

blood bags



Insert

boring Ø x L in mm	-	-
blood bags per rotor	4	4



Cat. No.

Cat. No.	4244-A	4244-A
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Additional blood bank accessories can be found on [page 183](#)

— SWING-OUT ROTOR, 4-PLACE | 4294



Rotor

max. RPM max. RCF ²⁾	4,500 min ⁻¹ 5,071
max. capacity	4 blood bags
run-up run-down, braked in sec	115 116
angle temperature in °C ¹⁾	90° +3
Cat. No.	4294



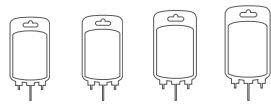
Bucket

Cat. No.	4298-A
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Blood bags

capacity in ml	450	500	750	1,000
blood bags	4-place	4-place	1-place	1-place
max. RCF ²⁾	5,003	5,003	5,003	5,071
radius in mm	221	221	221	224



Cat. No.

Cat. No.	blood bags
----------	------------



Insert

boring Ø x L in mm	-	-	-	-
blood bags per rotor	4	4	4	4



Cat. No.

Cat. No.	4237-A	4237-A	4237-A	-
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Additional blood bank accessories can be found on [page 183](#)

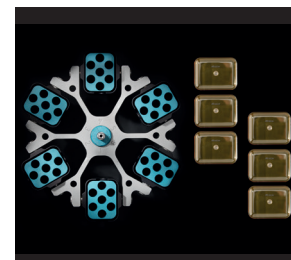
1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

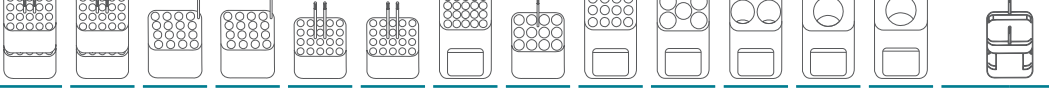
SWING-OUT ROTOR, 6-PLACE | 4296

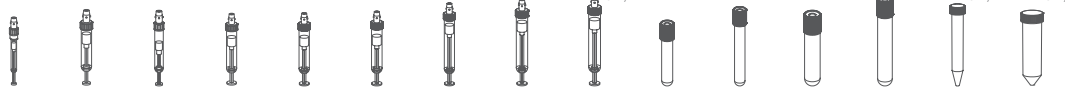
	
Rotor	
max. RPM max. RCF ²⁾	4,000 min ⁻¹ 3,363
max. capacity	6 x 100 ml
run-up run-down, braked in sec	33 50
angle max. noise level	90° 52 dB (A)
temperature in °C ¹⁾	0
Cat. No.	4296

	
Bucket	
lid	5053
Cat. No.	5051

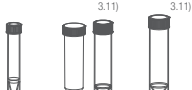


	
Vessels	
capacity in ml	1.5 2 1.5 2 5 6 7 9 15 25 50 100 100 1-8
Ø x L in mm	11x38 11x38 11x38 11x38 12x75 12x82 12x100 14x100 17x100 24x100 34x100 44x100 40x115 simple / multiple
max. RCF ²⁾	top / bottom 2,486 / 3,363 2,486 / 3,363 3,363 3,363 3,309 3,309 3,291 3,309 3,291 3,291 3,291 3,291 2,290 / 3,274
radius in mm	top / bottom 139 / 188 139 / 188 188 188 185 185 184 185 184 184 184 184 128 / 183
Cat. No.	microliter tubes tubes²⁾ cyto chambers

	
Adapter	
boring Ø x L in mm	12.5x42 12.5x42 11.5x50 11.5x50 12.5x42 12.5x42 12.5x86 16x50 17.5x86 26x86 36x86 45.5x86 42x86 -
vessels per rotor	240 240 96 96 120 120 120 72 72 30 12 6 6 12
Cat. No.	5257 5257 5281 5281 5227 5227 5247¹⁵⁾ 5264 5248¹⁵⁾ 5242 5243 5262 5249 5280

	
Vessels	
capacity in ml	1.1-1.4 2.6-3.4 2.7-3 4-5.5 4.5-5 4.9 7.5-8.5 9-10 10 1.6-5 4-7 4-7 8.5-10 15 50
Ø x L in mm	8x66 13x65 11 x 66 15 x 75 11 x 92 13x90 15x92 16x92 15x102 13x75 13x100 16x75 16x100 17x120 29x115
max. RCF ²⁾	3,274 3,345 3,309 3,309 3,309 3,345 3,309 3,291 3,291 3,345 3,345 3,309 3,291 3,434 3,363
radius in mm	183 187 185 185 185 187 185 184 184 187 184 185 184 192 188
Cat. No.	blood collection / urine tubes tubes with screw cap

	
Adapter	
boring Ø x L in mm	11x44 13.5x52 12.5x42 16x50 12.5x42 13.5x52 16x50 17.6x86 17.6x86 13.5x52 13.5x86 16x50 17.5x86 17x90 30x86
vessels per rotor	120 72 120 72 120 72 72 66 66 72 72 72 72 42 12
Cat. No.	5267 5268 5227 5264 5227 5268 5264 5258 5258 5268 6301 5264 5248 6306 5259

	
Vessels	
capacity in ml	12 30 50
Ø x L in mm	17x100 25x110 29x115
max. RCF ²⁾	3,434 3,291 3,291
radius in mm	192 184 184
Cat. No.	tubes with screw cap

	
Adapter	
boring Ø x L in mm	17x90 26 x 86 36x86
vessels per rotor	42 30 12
Cat. No.	6306 5266 5243

CYTO Cyto system available for this model. More information on [page 178](#)

- Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.
- Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers.
The max. RCF for glass tubes annotated with footnote 2) is 4,000.
- 1.1) When using these tubes, bucket 5051 cannot be closed with lid 5053.

SWING-OUT ROTOR, 6-PLACE | 4296



Rotor

max. RPM max. RCF	4,000 min ⁻¹ 3,631
max. capacity	6 x 250 ml
run-up run-down, braked in sec	33 50
angle max. noise level	90° 59 dB (A)
temperature in °C ¹⁾	-2
Cat. No.	4296



Bucket

lid bioseal ⁵⁾	5093
Cat. No.	5092



Vessels

capacity in ml	5	6	7	15	25	50	100	100	250	1.1–1.4	1.1–1.4	2.6–3.4	2.7–3	2.7–3	4.9
Ø x L in mm	12x75	12x82	12x100	17x100	24x100	34x100	44x100	40x115	65x115	8 x 66	8 x 66	13 x 65	11x66	11x66	13x90
max. RCF ²⁾	3,542	3,542	3,542	3,488	3,434	3,488	3,488	3,488	3,631	3,488	3,077	3,077	3,488	3,077	3,488
radius in mm	198	198	198	195	192	195	195	195	203	195	172	172	195	172	195
Cat. No.	tubes ²⁾									blood collection / urine tubes					



Adapter

boring Ø x L in mm	12.8x45	12.8x45	12.8x82	17.5x60.7	25.5x82	35.5x82.5	45.5x85	42x85	66x103	13.5x60.7	13x54.5	13x54.5	13.5x60.7	13x54.5	13.5x60.7
vessels per rotor	72	72	72	48	24	6	6	6	6	48	72	72	48	72	48
Cat. No.	5128	5128	5120	5136	5122	5124	5125	5126	1791	5137	5138	5138	5137	5138	5137

Vessels

capacity in ml	4–4.5	4.5–5	7.5–8.5	9–10	10	1.6–5	4–7	4–7	8	8.5–10	15	50	25	30	50
Ø x L in mm	15x75	11x92	15x92	16x92	15x102	13x75	16x75	13x100	16x125	16x100	17x120	29x115	25x90	25 x 110	29x115
max. RCF ²⁾	3,488	3,542	3,488	3,488	3,488	3,077	3,488	3,542	3,542	3,488	3,631	3,631	3,363	3,434	3,560
radius in mm	195	198	195	195	195	172	195	198	198	195	203	203	188	192	199
Cat. No.	blood collection / urine tubes										tubes with screw cap				



Adapter

boring Ø x L in mm	17.5x60.7	12.8x82	17.5x60.7	17.5x60.7	17.5x60.7	13x54.5	17.5x60.7	12.8x82	17.5x82	17.5x60.7	17x85	30x85	26x73	25.5x82	30x99
vessels per rotor	48	72	48	48	48	72	48	72	42	48	42	12	18	24	12
Cat. No.	5136	5120	5136	5136	5136	5138	5136	5120	5121⁴⁾	5136	5129	5123	5134	5122	5135

Vessels

capacity in ml	10	250	290
Ø x L in mm	16 x 80	61 x 122	62 x 137
max. RCF ²⁾	3,488	3,631	3,631
radius in mm	195	203	203
Cat. No.	-	5127²⁴⁾	-²⁴⁾



Adapter

boring Ø x L in mm	17.5x60.7	66x103	66x103
vessels per rotor	48	6	6
Cat. No.	5136	6319	6319

- 1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.
- 2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers.
The max. RCF for glass tubes annotated with footnote 2) is 4,000.
- 3,4) When using these tubes, bucket 5051 or 5092 cannot be closed with lid 5053 or 5093.
- 4) Please remove the spacer.
- 5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.
- 24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

SWING-OUT ROTOR, 2-PLACE | 4282

	
Rotor	
max. RPM max. RCF	3,600 min ⁻¹ 2,652
max. capacity	20 plates
run-up run-down, braked in sec	87 94
angle max. noise level	90° 58 dB (A)
temperature in °C ¹⁾	-2
Cat. No.	4282



	
Bucket	
Cat. No.	4285-A



      	
Plates	
W x D x H in mm	128x86x15 128x86x17.5 128x86x22 128x86x44.5 84x59x46 124x82x20 -
max. RCF ²⁾	2,434 2,434 2,434 2,434 2,434 2,434 2,434
radius in mm	168 168 168 168 168 168 168
Cat. No.	MTP MTP CP DWP MS PCR plates PCR strips



      	
Removal aid	
boring Ø x L in mm	- - - - - - -
plates / strips per rotor	16 16 12 4 4 4 48 x 8
Cat. No.	4281 4281 4281 4281 4281 4281+1485 4281+1485

   	
Racks	
W x D x H in mm	176x20x41 118x20x70 193x25x60 210x110x44
max. RCF ²⁾	2,652 2,652 2,652 2,579
radius in mm	183 183 183 178
Cat. No.	Olympus Racks Hitachi Racks Behring Racks Rack, 50-place



   	
Adapter	
boring Ø x L in mm	- - - -
plates / racks per rotor	12 20 10 2
Cat. No.	4283-B 4287-B 4288-A 4263-A

1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

ANGLE ROTOR, 6-PLACE | 4266

Rotor	
max. RPM max. RCF	9,500 min ⁻¹ 14,025
max. capacity	6 x 250 ml
run-up run-down, braked in sec	82 96
angle	25°
temperature in °C ¹⁾	+2
Cat. No.	4266

+	Lid bioseal²⁾ and phenol-resistant	
	Cat. No.	INCLUSIVE



Vessels											
capacity in ml	15	25	94	15	50	10	30	50	85	94	250
Ø x L in mm	17x100	24x100	38x102	17x120	29x115	16x80	26x95	29x107	38 x 106	38 x 102	61x122
max. RCF ²⁾	13,319	12,915	12,310	12,915	12,108	13,420	12,915	12,108	12,310	12,310	14,025
radius in mm	132	128	122	128	120	133	128	120	122	122	139
Cat. No.	tubes²⁾			tubes with screw cap							5127²⁴⁾

+											
Adapter											
boring Ø x L in mm	17.6 x 83	26x80	38.6x88	17x106	30x100	16.6x70	26x80	29x90	38.6 x 88	38.6 x 88	61.5x109
vessels per rotor	42	18	6	30	6	48	18	6	6	6	6
Cat. No.	5646	5642	5644	5637	5638	5641	5642	5643	5644	5644	-

1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

ANGLE ROTOR, 6-PLACE | 4246

Rotor	
max. RPM max. RCF	11,500 min ⁻¹ 18,038
max. capacity	6 x 94 ml
run-up run-down, braked in sec	66 68
angle	45°
temperature in °C ¹⁾	+4
Cat. No.	4246

Lid bioseal[®] and phenol-resistant

Cat. No.

INCLUSIVE



Vessels															
capacity in ml	0.5	1.5	2.0	3	15	25	50	94	7.5 – 8.5	9 – 10	10	8.5 – 10	5	15	50
Ø x L in mm	10.7x36	11x38	11x38	10x60	17x100	24x100	34x100	38x102	15x92	16x92	15x102	16x100	17x59	17x120	29x115
max. RCF ²⁾	17,299	17,299	17,299	17,299	17,003	16,560	17,743	18,038	17,003	17,003	17,003	17,003	16,856	17,299	17,595
radius in mm	117	117	117	117	115	112	120	122	115	115	115	115	114	117	119
Cat. No.	pediatric	microliter tubes			tubes ²⁾				blood collection / urine tubes				-	tubes with screw cap	

Adapter															
boring Ø x L in mm	11.4x39	11.4x39	11.4x39	11.4x39	17.5x92	26x85	35x89	38.2x89.6	17.5x92	17.5x92	17.5x92	17.5x92	17x51	17x106	29.8x97
vessels per rotor	24	24	24	24	6	6	6	6	6	6	6	6	6	6	6
Cat. No.	1449	1449	1449	1449	1451	1447	1463	-	1451	1451	1451	1451	1476	1466	1454

Vessels					
capacity in ml	10	30	50	85	94
Ø x L in mm	16x80	26x85	29x107	38 x 106	38 x 102
max. RCF ²⁾	17,003	16,560	17,299	18,038	18,038
radius in mm	115	112	117	122	122
Cat. No.	tubes with screw cap				

Adapter					
boring Ø x L in mm	16.5x74	26x85	29x92	38.2x89.6	38.2x89.6
vessels per rotor	12	6	6	6	6
Cat. No.	1448	1447	1446	-	-

1) Lowest attainable temperature in precooled refrigerated centrifuges at max. speed. Lower temperatures can be attained by reducing the speed.

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

— ACCESSORIES FOR CENTRIFUGING BLOOD BAG SYSTEMS



Hettliner

Blood bags can be secured in adapters using HettLiners. After centrifuging, they can be removed by their loops without disturbing the sediment.

Cat. No. 4564



Set of compensatory weights

If blood bag carriers are not filled to the same weight, then compensatory weights can be used to make up the difference.

One set includes:
40 balancing weights, 2 g each; 20 balancing weights, 5 g each; 10 balancing weights, 10 g each; 5 balancing weights, 20 g each; 5 balancing weights, 40 g each

Cat. No. 4566



Loading station

Secure your samples and avoid accidental spillage with the convenient Loading Station for centrifuge inserts. The Hettich Loading Station allows users to confidently hold and manage their samples without the risk of the inserts toppling over.

Cat. No. 4509

— CERTIFICATIONS / REGISTRATIONS

Product certification:



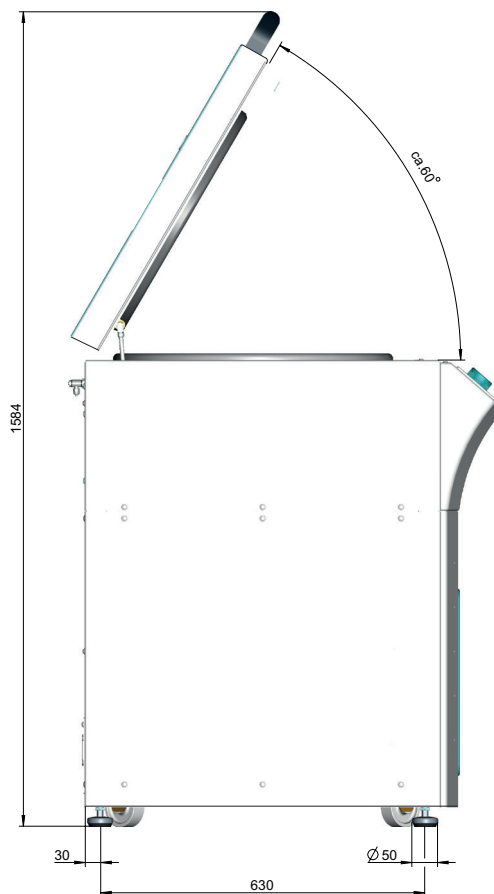
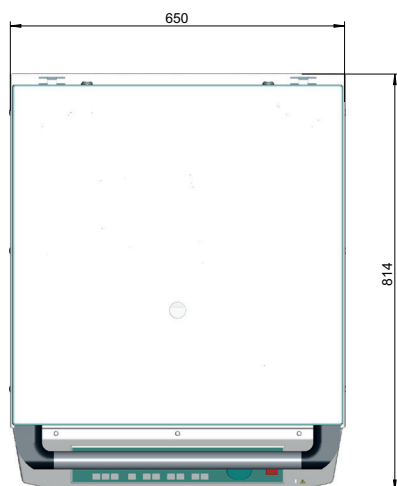
Product registration:



Company certifications:



DIMENSIONS



Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922) 49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Ижевск (3412)26-03-58
Иваново (4932)77-34-06
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Россия (495)268-04-70

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сыктывкар (8212)25-95-17
Сургут (3462)77-98-35
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Казахстан (772)734-952-31

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93