

FLOORSTANDING CENTRIFUGES

— ROTO SILENTA 630 RS

YOUR FIRST CHOICE UP TO 12 LITERS

The ROTO SILENTA 630 RS is highly rated in the rapid and efficient centrifugation of blood bags. It is able to spin up to 12 liters of sample or 12 blood bags per run. Four and six-place rotor options are also available to offer the best possible fit.

In industrial or R&D settings the ROTO SILENTA accommodates six vessels up to 2,000 ml each.

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



— HIGHLIGHTS

- RPM: 50 - 6,000 min⁻¹
Adjustable in increments of 10
- RCF: 50 - 6,520
Adjustable in increments of 1
- max. Capacity: 6 x 2,000 ml
- the first choice in blood banking centrifuges
- Choice of 3 rotors
- Registered Medical Device
- easy operation with keypad and control knob
- 89 program memories for more individuality
- 9 acceleration + 19 deceleration stages
- coolable from -20 bis +40 °C with
pre-cooling function
- data reporting system (optional)

— FEATURES

- metal housing and lid
- large viewing port in the lid
- powered 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 detection and switch-off

TECHNICAL DATA

ROTO SILENTA 630 RS ^{>)} refrigerated

voltage ^{*)}	400 V 3 ~ + N
frequency	50 – 60 Hz
consumption	9,700 VA
emission, immunity	EN/IEC 61326-1, class B
max. capacity	6 x 2,000 ml
max. RPM	6,000 min ⁻¹
max. RCF	6,520
running time	1 – 999 min: 59 s, ∞ continuous run
dimensions (WxDxH)	813 x 1,015 x 973 mm
weight	approx. 355 kg
temperature control, infinitely variable	from -20 to +40 °C
Cat. No.	5005

208 – 220 V +6 / -10 % 3- (+N) + PE,
with internal transformer

consumption	9,000 VA
weight	approx. 401 kg

^{*)} Other voltages on request.

^{>)} Other models on request.

AVAILABLE ROTORS

SWING-OUT ROTORS

		angle	max. RPM	max. capacity	Cat. No.	page
	swing-out rotor, 6-place	90°	4,500 min ⁻¹	6 x 2,000 ml	4176	3
	swing-out rotor, 4-place	90°	4,500 min ⁻¹	4 x 1,600 ml	4174	3

ANGLE ROTORS

	angle rotor, 6-place	25°	6,000 min ⁻¹	6 x 250 ml	4570	9
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— SWING-OUT ROTOR, 6- / 4-PLACE | 4176 / 4174

					
Rotor			+	Bucket	
max. RPM		4,500 min ⁻¹		Cat. No.	4524-A
max. RCF	Rotor 4176 / 4174	6,498 / 5,683			
max. capacity		12 / 8 blood bag			
run-up run-down, braked in sec		125 197			
angle temperature in °C ¹⁾		90° +16 / +10			
Cat. No.		4176 / 4174			



				
Blood bag				
capacity in ml		500	500	750
blood bag per system		4-place	4-place	1-place
max. RCF ²⁶⁾	Rotor 4176 / 4174	6,498 / 5,683	6,498 / 5,683	6,498 / 5,683
radius in mm		287 / 251	287 / 251	287 / 251
Cat. No.		-	-	-

				
Insert				
boring Ø x L in mm		-	-	-
blood bag systems per rotor		12 / 8	12 / 8	12 / 8
Cat. No.		4529 ²⁶⁾ -AO,-AM,-AU	4592-B	4592-B

+ Additional blood bank accessories can be found on [page 185](#)

— SWING-OUT ROTOR, 6- / 4-PLACE | 4176 / 4174

					
Rotor			+	Bucket	
max. RPM		4,500 min ⁻¹		Cat. No.	4546-A
max. RCF	Rotor 4176 / 4174	6,271 / 5,479			
max. capacity		12 / 8 blood bag			
run-up run-down, braked in sec		125 197			
angle temperature in °C ¹⁾		90° +10 / 0			
Cat. No.		4176 / 4174			



		
Blood bag		
capacity in ml		450
blood bag per system		4-place
max. RCF	Rotor 4176 / 4174	6,271 / 5,479
radius in mm		277 / 242
Cat. No.		-

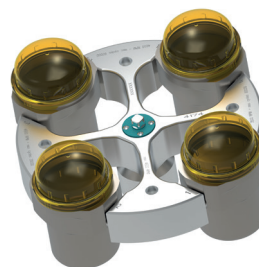
		
Insert		
boring Ø x L in mm		-
blood bag systems per rotor		12 / 8
Cat. No.		4559-A

+ Additional blood bank accessories can be found on [page 185](#)

- 1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
- 26) Includes blood bag hanging to prevent erythrocyte accumulation at low speeds. Different hanging heights allow customer-specific adjustments. (4529-AO top, 4529-AM center, 4529-AU bottom). Hanging blood bags may be centrifuged with a maximum RCF of 1,000.

— SWING-OUT ROTOR, 6- / 4-PLACE | 4176 / 4174

					
Rotor					
max. RPM		4,500 min ⁻¹			
max. RCF	Rotor 4176 / 4174	6,498 / 5,705			
max. capacity		12 / 8 blood bag			
run-up run-down, braked in sec		125 197			
angle temperature in °C ¹⁾		90° +16 / +10			
Cat. No.		4176 / 4174			



					
Blood bags					
capacity in ml		450		500	
blood bag per system		3-place		4-place	
max. RCF	Rotor 4176 / 4174	6,271 / 5,705		6,498 / 5,705	
radius in mm		287 / 252		287 / 251	
Cat. No.		-		-	

					
Insert					
boring Ø x L in mm		-		-	
blood bag systems per rotor		12 / 8		12 / 8	
Cat. No.		4598-A		4592-B	

+ Additional blood bank accessories can be found on [page 185](#)

— SWING-OUT ROTOR, 6- / 4-PLACE | 4176 / 4174

					
Rotor					
max. RPM		3,500 min ⁻¹			
max. RCF	Rotor 4176 / 4174	3,848 / 3,328			
max. capacity		6 x 2,000 ml			
angle temperature in °C ¹⁾		90° +16 / -12			
Cat. No.		4176 / 4174			



					
Vessels					
capacity in ml		max. 1,600 ³⁵⁾		2,000	
W x D x H in mm		-		150 x 100 x 180	
max. RCF	Rotor 4176 / 4174	3,821 / 3,328		3,848 / -	
radius in mm		279 / 243		281 / -	
run-up, in sec		95 / 131		95 / -	
run-down, braked in sec		131 / 131		41 / -	
Cat. No.		-		0550²⁴⁾	

					
Insert					
W x D x H in mm		145 x 91 x 146		-	
vessels per rotor		6 / 4		6 / -	
Cat. No.		4596-A		-	

- 1) For cooled versions: Lowest temperature achievable with precooling and max. speed.
 24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.
 31) Adapter for accommodating sample tubes and blood collection tubes in carrier 4595-C on request.
 35) Depending on the sample.

SWING-OUT ROTOR, 6- / 4-PLACE | 4176 / 4174

		+			
Rotor				Bucket	
max. RPM	4,500 min ⁻¹			Cat. No.	4523-A
max. RCF	Rotor 4176 / 4174 6,520 / 5,705				
max. capacity	6 / 4 blood bag				
run-up run-down, braked in sec	125 197				
angle temperature in °C ¹⁾	90° +9 / +3				
Cat. No.	4176 / 4174				

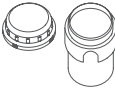


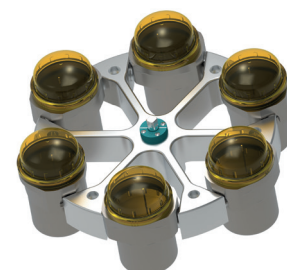
			
Blood bags			
capacity in ml	500	750	1,000
blood bag per system	4-place	1-place	1-place
max. RCF	Rotor 4176 / 4174 6,475 / 5,660	6,475 / 5,660	6,520 / 5,705
radius in mm	285 / 250	285 / 250	288 / 252
Cat. No.	-	-	-

+				
Insert				
boring Ø x L in mm	-	-	-	
blood bag systems per rotor	6 / 4	6 / 4	6 / 4	
Cat. No.	4516-A	4516-A	-	

+ Additional blood bank accessories can be found on [page 185](#)

SWING-OUT ROTOR, 6- / 4-PLACE | 4176 / 4174

		+			
Rotor				Bucket	
max. RPM	4,500 min ⁻¹			lid	5621
max. RCF	Rotor 4176 / 4174 6,316 / 5,524			Cat. No.	4547-B
max. capacity	6 / 4 blood bag				
run-up run-down, braked in sec	125 197				
angle temperature in °C ¹⁾	90° +9 / -9				
Cat. No.	4176 / 4174				



			
Blood bags			
capacity in ml	500	450	
blood bag per system	4-place	3-place	
max. RCF	Rotor 4176 / 4174 6,316 / 5,524	6,316 / 5,524	
radius in mm	279 / 244	279 / 244	
Cat. No.	-	-	

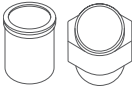
+				
Insert				
boring Ø x L in mm	-	-	-	
blood bag systems per rotor	6 / 4	6 / 4	6 / 4	
Cat. No.	4548	4548	4548	

+ Additional blood bank accessories can be found on [page 185](#)

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

SWING-OUT ROTOR, 6- / 4-PLACE | 4176 / 4174

Rotor	
max. RPM	4,500 min ⁻¹
max. RCF Rotor 4176 / 4174	6,294 / 5,501
max. capacity	6/4 x 1,000 ml
run-up run-down, braked in sec	125 197
angle temperature in °C ¹⁾	90° +4 / -11
Cat. No.	4176 / 4174

Bucket	
adapter including lid	4255
Cat. No.	4579-A



Vessels															
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	9-10	10	1.6-5
Ø x L in mm	12x75	12x100	14x100	17x100	24x100	34x100	44x100	13 x 65	11 x 66	15 x 75	11 x 92	13 x 90	16 x 92	15 x 102	13 x 75
max. RCF ²⁾ Rotor 4176 / 4174	5,750 / 4,935	5,750 / 4,935	5,886 / 5,094	5,886 / 5,094	5,615 / 4,845	5,705 / 4,890	5,683 / 4,867	5,750 / 4,935	5,750 / 4,935	5,886 / 5,094	5,750 / 4,935	5,750 / 4,935	5,886 / 5,094	5,886 / 5,094	5,750 / 4,935
radius in mm	254 / 218	254 / 218	260 / 225	260 / 225	248 / 214	252 / 216	251 / 215	254 / 218	254 / 218	260 / 225	254 / 218	254 / 218	260 / 225	260 / 225	254 / 218
Cat. No.	tubes²⁾							blood collection / urine tubes							

Adapter															
boring Ø x L in mm	13 x 58	13 x 58	17.5 x 60	17.5 x 60	26 x 72	36 x 79	45 x 78	13.5 x 58	13 x 58	17.5 x 60	13 x 58	13.5 x 58	17.5 x 60	17.5 x 60	13.5 x 58
vessels per rotor	180 / 120	180 / 120	114 / 76	114 / 76	42 / 28	24 / 16	12 / 8	126 / 84	180 / 120	114 / 76	180 / 120	126 / 84	114 / 76	114 / 76	126 / 84
Cat. No.	4433	4433	4434	4434	4438	4439	4442	4435	4433	4434	4433	4435	4434	4434	4435

Vessels															
capacity in ml	4-7	4-7	8.5-10	15	50	25	30	10	250	290	650	750	1,000	1,000	175
Ø x L in mm	13x100	16x75	16x100	17x120	29x115	25x90	25 x 110	16 x 80	61 x 122	62 x 137	97 x 139	97 x 152	96 x 176	98 x 138	61 x 118
max. RCF ²⁾ Rotor 4176 / 4174	5,750 / 4,935	5,886 / 5,094	5,886 / 5,094	6,022 / 5,207	5,999 / 5,207	5,818 / 5,026	5,818 / 5,026	5,886 / 5,094	6,113 / 5,320	6,113 / 5,320	5,999 / 5,184	6,294 / 5,501	6,294 / 5,501	6,294 / 5,501	6,294 / 5,501
radius in mm	254 / 218	260 / 225	260 / 225	266 / 230	265 / 230	257 / 222	257 / 222	260 / 225	270 / 235	270 / 235	265 / 229	278 / 243	278 / 243	278 / 243	278 / 243
Cat. No.	blood collection / urine tubes				tubes with screw cap				5127²⁴⁾	-²⁴⁾	0554²⁴⁾	0512²⁴⁾	4239²⁴⁾	4255	Falcon

Adapter															
boring Ø x L in mm	13.5 x 58	17.5 x 60	17.5 x 60	17 x 86	30 x 87	26 x 72	26 x 72	17.5 x 60	62 x 92	62 x 92	98 x 138	98 x 138	98 x 138	-	61 x 118
vessels per rotor	126 / 84	114 / 76	114 / 76	72 / 48	30 / 20	42 / 28	42 / 28	114 / 76	6 / 4	6 / 4	6 / 4	6 / 4	6 / 4	6 / 4	6 / 4
Cat. No.	4435	4434	4434	4437	4441	4438	4438	4434	4443	4443	4258	-	-	-	4440

Vessels					
capacity in ml	175	200	225	250	500
Ø x L in mm	61.5x144	60 x 130	61 x 137	60 x 162	96 x 147
max. RCF ²⁾ Rotor 4176 / 4174	6,294 / 5,501	6,294 / 5,501	6,294 / 5,501	6,294 / 5,501	6,294 / 5,501
radius in mm	278 / 243	278 / 243	278 / 243	278 / 243	278 / 243
Cat. No.	Nalgene®	Nunc®	Falcon®	Corning®	Corning®

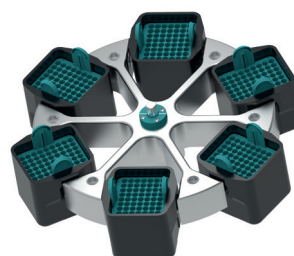
Adapter					
boring Ø x L in mm	-	-	-	-	-
vessels per rotor	6 / 4	6 / 4	6 / 4	6 / 4	6 / 4
Cat. No.	4430	4430	4440	4430	4449

- 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, carrier 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, 6- / 4-PLACE | 4176 / 4174

Rotor	
max. RPM	4,500 min ⁻¹
max. RCF Rotor 4176 / 4174	5,999 / 5,184
max. capacity	6 x 750 ml
run-up run-down, braked in sec	125 197
angle temperature in °C ¹⁾	90° +14 / -1
Cat. No.	4176 / 4174

Bucket	
Cat. No.	4522-A



Vessels															
capacity in ml	4	5	6	7	12	15	25	50	100	2.6-3.4	2.7-3	4-5.5	4.5-5	7.5-8.5	9-10
Ø x L in mm	10x88	12x75	12x82	12x100	16x101	17x100	24x100	34x100	44x115	13x65	11x66	15x75	11x92	15x92	16x92
max. RCF Rotor 4176 / 4174	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003
radius in mm	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221
Cat. No.	tubes²⁾									blood collection / urine tubes					

Adapter															
boring Ø x L in mm	11 x 70	12.5 x 32	12.5 x 70	12.5 x 70	16 x 70	17.5 x 70	26 x 70	35 x 70	41.5 x 70	13.2 x 32	12.5 x 32	17.5 x 32	12.5 x 70	17.5 x 70	17.5 x 70
vessels per rotor	378 / 252	288 / 192	288 / 192	288 / 192	150 / 100	180 / 120	66 / 44	36 / 24	24 / 16	180 / 120	288 / 192	180 / 120	288 / 192	180 / 120	96 / 64
Cat. No.	4224	4213-93	4213	4213	4223	4214	4215	4216	4218	4222-93	4213-93	4214-93	4213	4214	4220

Vessels															
capacity in ml	10	1.6-5	4-7	4-7	8	8.5-10	15	50	12	30	50	250	290	600	650
Ø x L in mm	15x102	13x75	16x75	13x100	16x125	16x100	17x120	29x115	17x100	25x110	29x115	61x122	62x137	93x134	97x139
max. RCF Rotor 4176 / 4174	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,818 / 5,003	5,999 / 5,184	5,999 / 5,184	5,818 / 5,003	5,818 / 5,003	5,909 / 5,094	5,818 / 5,003	5,818 / 5,003	5,999 / 5,184	5,999 / 5,184
radius in mm	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	257 / 221	265 / 229	265 / 229	257 / 221	257 / 221	261 / 225	257 / 221	257 / 221	265 / 229	265 / 229
Cat. No.	blood collection / urine tubes						tubes with screw cap					5127²⁴⁾	-²⁴⁾	0551²⁴⁾	0554²⁴⁾

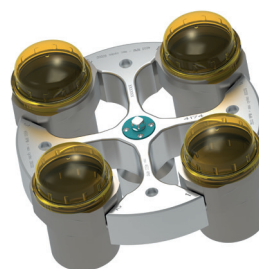
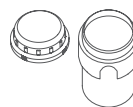
Adapter															
boring Ø x L in mm	17.5x70	13.2x32	17.5x32	13.2x70	16x70	17.5x70	17x70	30x70	17.5x70	26x70	30x96	62x90	62x90	94x105	97.5x105
vessels per rotor	180 / 120	180 / 120	180 / 120	180 / 120	150 / 100	180 / 120	138 / 92	48 / 32	96 / 64	66 / 44	36 / 24	6 / 4	6 / 4	6 / 4	6 / 4
Cat. No.	4214	4222-93	4214-93	4222	4223	4214	4232	4245-A	4220	4215	4249	4238	4238	4233	4258

Vessels				
capacity in ml	750	750	250	500
Ø x L in mm	97 x 152	96 x 135	60 x 162	96 x 147
max. RCF Rotor 4176 / 4174	5,999 / 5,184	5,999 / 5,184	5,818 / 5,003	5,999 / 5,184
radius in mm	265 / 229	265 / 229	257 / 221	265 / 229
Cat. No.	0512²⁴⁾	4234-A	Corning®	Corning®

Adapter				
boring Ø x L in mm	97.5x105	97.5x105	60x125	97.5x105
vessels per rotor	6 / 4	6 / 4	6 / 4	6 / 4
Cat. No.	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.
- 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, 6- / 4-PLACE | 4176 / 4174



Rotor

max. RPM	4,500 min ⁻¹
max. RCF Rotor 4176 / 4174	6,384 / 5,592
max. capacity	6 x 1,000 ml
run-up run-down, braked in sec	125 197
angle temperature in °C ¹⁾	90° +9 / -9
Cat. No.	4176 / 4174

Bucket

lid	5621
Cat. No.	4547-B

Vessels

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	7.5-8.2	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⁾ Rotor 4176 / 4174	5,841 / 5,026	5,841 / 5,026	5,977 / 5,184	5,977 / 5,184	5,728 / 4,913	5,773 / 4,981	5,750 / 4,958	5,841 / 5,026	5,841 / 5,026	5,977 / 5,184	5,841 / 5,026	5,841 / 5,026	5,977 / 5,184	5,977 / 5,184	5,977 / 5,184
radius in mm	258 / 222	258 / 222	264 / 229	264 / 229	253 / 217	255 / 220	254 / 219	258 / 222	258 / 222	264 / 229	258 / 222	258 / 222	264 / 229	264 / 229	264 / 229
Cat. No.	tubes ²⁾							blood collection / urine tubes							



Adapter

boring Ø x L in mm	13 x 58	13 x 58	17,5 x 60	17,5 x 60	26 x 72	36 x 79	45 x 78	13,5 x 58	13 x 58	17,5 x 60	13 x 58	13,5 x 58	17,5 x 60	17,5 x 60	17,5 x 60
vessels per rotor	180 / 120	180 / 120	114 / 76	114 / 76	42 / 28	24 / 16	12 / 8	126 / 84	180 / 120	114 / 76	180 / 120	126 / 84	114 / 76	114 / 76	114 / 76
Cat. No.	4433	4433	4434	4434	4438	4439	4442	4435	4433	4434	4433	4435	4434	4434	4434

Vessels

capacity in ml	1.6-5	4-7	4-7	8	8.5-10	15	50	25	30	10	250	290	650	750	1.000
Ø x L in mm	13x75	13x100	16x75	16 x 125	16x100	17x120	29x115	25x90	25x110	16 x 80	62 x 122	62 x 137	97 x 139	97 x 152	96 x 176
max. RCF ²⁾ Rotor 4176 / 4174	5,841 / 5,026	5,841 / 5,026	5,977 / 5,184	5,977 / 5,184	5,977 / 5,184	6,090 / 5,298	6,090 / 4,958	5,909 / 5,117	5,909 / 5,117	5,977 / 5,184	6,203 / 5,411	6,203 / 5,411	6,384 / 5,592	6,384 / 5,592	6,384 / 5,592
radius in mm	258 / 222	258 / 222	264 / 229	264 / 229	264 / 229	269 / 234	269 / 219	261 / 226	261 / 226	264 / 229	274 / 239	274 / 239	282 / 247	282 / 247	282 / 247
Cat. No.	blood collection / urine tubes				tubes with screw cap						5127 ²⁴⁾	- ²⁴⁾	0554 ²⁴⁾	0512 ²⁴⁾	4239 ²⁴⁾



Adapter

boring Ø x L in mm	13,5 x 58	13,5 x 58	17,5 x 60	17,5 x 60	17,5 x 60	17 x 86	30 x 87	26 x 72	26 x 72	17,5 x 60	62x92	62x92	98 x 141	98 x 141	98 x 141
vessels per rotor	126 / 84	126 / 84	114 / 76	114 / 76	114 / 76	72 / 48	30 / 20	42 / 28	42 / 28	114 / 76	6 / 4	6 / 4	6 / 4	6 / 4	6 / 4
Cat. No.	4435	4435	4434	4434	4434	4437	4441	4438	4438	4434	4443	4443	-	-	-

Vessels

capacity in ml	175	175	200	225	250	500
Ø x L in mm	61 x 118	61.5x144.3	60x130	61 x 137	60 x 162	96 x 147
max. RCF ²⁾ Rotor 4176 / 4174	6,384 / 5,592	6,384 / 5,592	6,384 / 5,592	6,384 / 5,592	6,384 / 5,592	6,384 / 5,592
radius in mm	282 / 247	282 / 247	282 / 247	282 / 247	282 / 247	282 / 247
Cat. No.	Falcon®	Nalgene®	Nunc®	Falcon®	Corning®	Corning®



Adapter

boring Ø x L in mm	-	-	-	-	-	-
vessels per rotor	6 / 4	6 / 4	6 / 4	6 / 4	6 / 4	6 / 4
Cat. No.	4440	4430	4430	4440	4430	4449

- For cooled versions: Lowest temperature achievable with precooling and max. 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.
- 17) When using these tubes, bucket 4547-B cannot be closed with lid 5621.
- 24) At temperatures of over +40 °C and / or when not filled to capacity, bottles may warp during centrifugation.

SWING-OUT ROTOR, 6- / 4-PLACE | 4176 / 4174

Rotor	
max. RPM	4,500 min ⁻¹
max. RCF Rotor 4176 / 4174	5,999 / 5,184
max. capacity	6 x 750 ml
run-up run-down, braked in sec	125 197
angle temperature in °C ¹⁾	90° +14 / -1
Cat. No.	4176 / 4174

Bucket	
Cat. No.	4572



Vessels	
capacity in ml	4 – 7
Ø x L in mm	13 x 75
max. RCF Rotor 4176 / 4174	5,818 / 5,003
radius in mm	257 / 221
Cat. No.	blood collection tubes

Adapter	
boring Ø x L in mm	13.2 x 59
vessels per rotor	336 / 224
Cat. No.	4493

ANGLE ROTOR, 6-PLACE | 4570

Rotor	
max. RPM max. RCF	6,000 min ⁻¹ 5,594
max. capacity	6 x 250 ml
run-up run-down, braked in sec	64 69
angle max. noise level	25° 54 dB(A)
temperature in °C ¹⁾	-16
Cat. No.	4570

Lid bioseal [®] and phenol-resistant	
Cat. No.	INCLUSIVE



Vessels	
capacity in ml	15
Ø x L in mm	17 x 100
max. RCF ²⁾	5,315
radius in mm	132
Cat. No.	tubes ²⁾
capacity in ml	25
Ø x L in mm	24 x 100
max. RCF ²⁾	5,152
radius in mm	128
Cat. No.	5642
capacity in ml	94
Ø x L in mm	38 x 102
max. RCF ²⁾	4,910
radius in mm	122
Cat. No.	5644
capacity in ml	15
Ø x L in mm	17 x 120
max. RCF ²⁾	5,152
radius in mm	128
Cat. No.	5637
capacity in ml	50
Ø x L in mm	29 x 115
max. RCF ²⁾	4,830
radius in mm	120
Cat. No.	5638
capacity in ml	10
Ø x L in mm	16 x 80
max. RCF ²⁾	5,353
radius in mm	133
Cat. No.	5641
capacity in ml	30
Ø x L in mm	26 x 95
max. RCF ²⁾	5,152
radius in mm	128
Cat. No.	5642
capacity in ml	50
Ø x L in mm	29 x 107
max. RCF ²⁾	4,830
radius in mm	120
Cat. No.	5643
capacity in ml	85
Ø x L in mm	38 x 106
max. RCF ²⁾	4,910
radius in mm	122
Cat. No.	5644
capacity in ml	94
Ø x L in mm	38 x 102
max. RCF ²⁾	4,910
radius in mm	122
Cat. No.	5644
capacity in ml	250
Ø x L in mm	61.5 x 122
max. RCF ²⁾	5,594
radius in mm	139
Cat. No.	5127 ²⁴⁾
Adapter	
boring Ø x L in mm	17.6 x 83
vessels per rotor	42
Cat. No.	5646
boring Ø x L in mm	26 x 80
vessels per rotor	18
Cat. No.	5642
boring Ø x L in mm	38.6 x 88
vessels per rotor	6
Cat. No.	5644
boring Ø x L in mm	17 x 106
vessels per rotor	30
Cat. No.	5637
boring Ø x L in mm	30 x 100
vessels per rotor	6
Cat. No.	5638
boring Ø x L in mm	16.6 x 70
vessels per rotor	48
Cat. No.	5641
boring Ø x L in mm	26 x 80
vessels per rotor	18
Cat. No.	5642
boring Ø x L in mm	29 x 90
vessels per rotor	6
Cat. No.	5643
boring Ø x L in mm	38.6 x 88
vessels per rotor	6
Cat. No.	5644
boring Ø x L in mm	38.6 x 88
vessels per rotor	6
Cat. No.	5644
boring Ø x L in mm	61.5 x 109
vessels per rotor	6
Cat. No.	-

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.

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.

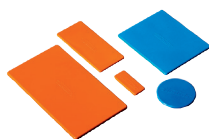
— ACCESSORIES FOR CENTRIFUGING BLOOD BAG SYSTEMS



Hettliner

Blood bags can be secured in adapters using HettLiners. After centrifuging, they can be removed by their loops without disturbing the delicate separation of blood components.

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



Balancing inserts

In case there are not enough blood bag systems to occupy every carrier of the rotor, empty carriers can be filled with balancing inserts. Taring weights supplied with the inserts may be used for fine balancing.

4584-A for insert 4559-A

4587-A for insert 4592-B

4589-A for insert 4516-A



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

