

CENTRIFUGE
PRODUCT GUIDE

Hettich





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welcome to **Hettich**

For more than **100 years** Andreas Hettich GmbH & Co.KG has been a **leader** in centrifugation technology, innovation and safety.

Hettich designs, builds and manufactures its products from its family run headquarters in Tuttlingen, Germany. It is this family tradition and devotion that continues to allow Hettich to develop nothing but the finest in **quality products** and **customer satisfaction**.

Hettich is recognized as one of the **top** clinical/research centrifuge manufacturers **in the world**. Applications include separation of blood and fluids in blood banks and clinical laboratories. In the research field our centrifuges are used to separate solutions to extract DNA, proteins and enzymes.




We offer a full range of centrifuges from small benchtop micro centrifuges to large floor standing models and also provide custom built solutions for any lab project.

*Andreas Hettich GmbH & Co.KG
Tuttlingen, Germany*









Spinning Guide

TUBE TYPE

	Microliter	Round Bottom	Round Bottom
			
mL	1.5 - 2.0	15	50
mm	11 x 38	17 x 100	34 x 100
	MAX CAPACITY		
MICRO			
MIKRO 120	24	--	--
MIKRO 200	30	--	--
MIKRO 220	48	12*	6*
BASIC			
EBA 20/20S	--	8	--
EBA 21	30	12	6
ROTOFIX 32A	--	32	6
STANDARD			
UNIVERSAL 320	30	32	6
ROTINA 380	30	52	12
ROTINA 420	30	72	16
ROTANTA 460	30	76	16
FLOOR			
ROBOTIC	--	96	24
ROTIXA 50	--	120	24
ROTO SILENTA	--	180	36

TUBE TYPE

Round Bottom	Round Bottom	Blood	Blood	Conical	Conical/Skirted
					
100	250	--	--	15	50
44 x 100	65 x 115	13 x 75/100	16 x 75/100	17 x 120	29 x 115
	MAX CAPACITY				
--	--	--	--	--	--
--	--	--	--	--	--
--	--	12	8/12	6	3/-
--	--	8	-/8	4	--
--	--	12	8/12	6	3/-
4	--	32/20	28/16	32	8
4	--	32	28	32	8
4	4	64	52	36	16
⁸ 12(40x115mm)	4	84/104	72	52	20
⁸ 12(40x115mm)	4	108	96/88	56	24
⁸ 12(40x115mm)	6	96	96	56	24
16	6	120	120	92	32/24
24	6	180	180	138	48/36

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


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*Indicates max capacity on MIKRO 220R

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


THE TABLE ABOVE IS BASED ON THE MAXIMUM QUANTITY A CENTRIFUGE CAN HOLD PER TUBE. IT IS A GUIDE TO HELP YOU QUICKLY SELECT THE CORRECT CENTRIFUGE MODEL. FOR ADDITIONAL CENTRIFUGE CONFIGURATIONS PLEASE VISIT HETTWEB.COM OR CALL CUSTOMER SERVICE AT 1.866.370.4388

TUBE TYPE

	Large conical	High capacity	High capacity
			
mL	250/500	250	600/750
mm	--	61 x 122	93 x 134/ 97 x 152
CENTRIFUGE	MAX CAPACITY		
MICRO			
MIKRO 120	--	--	--
MIKRO 200	--	--	--
MIKRO 220	--	--	--
BASIC			
EBA 20/20S	--	--	--
EBA 21	--	--	--
ROTOFIX 32A	--	--	--
STANDARD			
UNIVERSAL 320	--	--	--
ROTINA 380	--	4 x 290	--
ROTINA 420	--	4	4 x 600
ROTANTA 460	4	6	4
FLOOR			
ROBOTIC	--	4	--
ROTIXA 50	4	6	4
ROTO SILENTA	6	6	6

<< Continued from previous page

TUBE TYPE

High capacity	High capacity	Blood bags	PCR strips	Plates	Cytology	
						
1,000	2,000	450	8 x 0.2	MTP 86 x 128 x 15	--	PAGE NO.
96 x 176	180 x 150 x 100	--	--			
MAX CAPACITY						
--	--	--	--	--	--	8
--	--	--	4 x 8	--	--	10
--	--	--	6 x 8	--	--	12
--	--	--	--	--	--	16
--	--	--	--	--	--	18
--	--	--	--	--	8	22
--	--	--	24 x 8	10	8	26
--	--	--	24 x 8	10	8	30
--	--	--	48 x 8	16	8	34
--	--	4	48 x 8	24	16	38
--	--	--	48 x 8	24	--	42
4	--	4	48 x 8	16	12	46
6	6	12	--	--	--	50

THE TABLE ABOVE IS BASED ON THE MAXIMUM QUANTITY A CENTRIFUGE CAN HOLD PER TUBE. IT IS A GUIDE TO HELP YOU QUICKLY SELECT THE CORRECT CENTRIFUGE MODEL. FOR ADDITIONAL CENTRIFUGE CONFIGURATIONS PLEASE VISIT HETTWEB.COM OR CALL CUSTOMER SERVICE AT 1.866.370.4388

MANUAL

Light-weight portable centrifuge

FEATURES:

- Portable and compact
- Self-lubricating gear
- Virtually maintenance free
- Conical and round-bottom 4 place rotor systems available



Specifications

Centrifuge	Manual
Max Capacity	4 x 15 mL
Max RPM/RCF	3,000/ 1,076
Swing-out 50°	3,000/ 1,300
Swing-out 90°	
Dimensions (HxWxD)	285 x 140 x 175 mm (11.25" x 5.5" x 7")
Weight	0.9 kg (2 lbs)
Cat. No. w/ out rotor	1011
Cat. No. 50° rotor	1025 (round-bottom & conical tubes)
Cat. No. 90° rotor	1014 (conical tubes only)

Common rotor packages

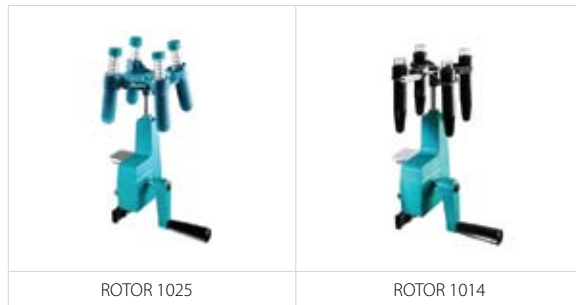
ROUND-BOTTOM & CONICAL TUBES

Qty	Size	Rotor	Bucket	RPM	RCF
4	15 mL	1025	--	3,000	1,076

CONICAL TUBES ONLY

Qty	Size	Rotor	Bucket	RPM	RCF
4	15 mL	1014	--	3,000	1,300

Additional images



MIKRO 120

Economy microliter centrifuge

FEATURES:

- Ultra compact with small footprint
- 12, 18 or 24 place exchangeable rotors
- Auto-imbalance detection and shut-off
- Lid-locking and holding
- Motor overheating protection



Specifications

Centrifuge	MIKRO 120	
Max Capacity	24 x 1.5/ 2.0 mL	
Max RPM/RCF	14,000/ 17,530	
Dimensions	199 x 231 x 292 mm (8" x 9" x 11.5")	
Weight	7 kg (15 lbs)	
Cat. No.	240V	1204
	115V	1204-01

Common rotor packages

MICROLITER TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
12	0.2 – 2.0 mL	1212	--	--	15,558
18	0.2 – 2.0 mL	1218	--	--	15,996
24	0.2 – 2.0 mL	1224	--	--	17,530
	0.2 – 0.4 mL	all rotors	--	2024	--
	0.5 – 0.8 mL		--	2023	--
	1.5 mL		--	2031*	--

Additional images



* Form fitting adapter (phenol resistant) for centrifugation at high speeds

MIKRO 200

Standard microliter centrifuge

FEATURES:

- Available in non-refrigerated (200) and refrigerated (200R) versions
- Choice of 24 or 30 place rotor, PCR strip rotor or Cryo tube rotor
- Bio-containment, autoclavable, phenol resistant lids available
- Fast Cool function: down to +4 °C in 10-15 minutes



Specifications

Centrifuge	MIKRO 200	MIKRO 200R
Max Capacity	30 x 0.2 - 2.0 mL	
Max RPM/RCF	15,000/ 21,382	
Temperature Control	--	-10 °C to +40 °C
Dimensions	260 x 275 x 344 mm 10.25"x10.75"x13.5"	260 x 281 x 547 mm 10.25" x 11" x 21.5"
Weight	11.5 kg (25.25 lbs)	28 kg (61.75 lbs)
Cat. No.	240V 2400 115V 2400-01	2405 2405-01

Common rotor packages

MICROLITER TUBES

Qty	Size	Rotor	Accessories	RCF
24	0.2 – 2.0 mL	2424-A†	2425*, 2423**	21,382
30	0.2 – 2.0 mL	2427†		20,627
30	0.5 mL	2430-A†		20,376

CRYO TUBES

Qty	Size	Rotor	Accessories	RCF
20	1.8 mL	2426-A†	2425*, 2423**	21,130

PCR STRIPS

Qty	Size	Rotor	Accessories	RCF
4	8 x 0.2 mL	2418	E2040***	14,338

Additional images



† Lid E2040 Included
* Bio-containment lid (autoclavable)

** Phenol resistant lid (autoclavable)
*** Optional snap-on lid

MIKRO 220

Advanced microliter centrifuge

FEATURES:

- Available in non-refrigerated (220) and refrigerated (220R) versions
- Multiple microliter rotors available including:
 - 31,514 RCF 24 place rotor (1195-A)
 - High capacity 48 place rotor (1158-L)
 - 90° swing out rotor (1154-L)
- MIKRO 220R also accommodates:
 - Blood tubes up to 10 mL
 - Conical tubes up to 50 mL
 - Round-bottom tubes up to 50 mL



Specifications

Centrifuge	MIKRO 220	MIKRO 220R
Drum Rotor Capacity	60 x 1.5/ 2.0 mL	
Fixed Angle Capacity	48 x 0.2 - 2.0 mL	& 6 x 50 mL
Max RPM/RCF	18,000/ 31,514	
Temperature Control		-20 °C to +40 °C
Dimensions	313 x 330 x 420 mm 12.5" x 13" x 16.5"	313 x 330 x 650 mm 12.5" x 13" x 25.5"
Weight	23 kg (51 lbs)	42 kg (92.5 lbs)
Cat. No.	240V 2200 115V 2200-01	2205 2205-01

Common rotor packages

MICROLITER TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
24	0.2 – 2.0 mL	1195-A*	--	--	31,514
24	0.2 – 2.0 mL	1154-L	--	--	18,516
30	0.2 – 2.0 mL	1189-A*	--	--	21,255
48	0.2 – 2.0 mL	1158-L*	--	--	21,255
60	1.5 – 2.0 mL	1161	--	--	14,171

*Lid with bio-containment (autoclavable) included.

CONICAL TUBES (MIKRO 220R Only)

Qty	Size	Rotor	Bucket	Adapter	RCF
6	15 mL	1016	--	1631	3,824
3	50 mL	1016	--	1641	3,824

BLOOD TUBES (MIKRO 220R Only)

Qty	Size	Rotor	Bucket	Adapter	RCF
12	13 x 75 mm	1015	--	1054-A	3,300
12	13 x 100 mm	1015	--	--	4,146
12	16 x 100 mm	1015	--	--	4,146

*Lid with bio-containment (autoclavable) included.

Common rotor packages

PCR STRIPS

Qty	Size	Rotor	Bucket	Adapter	RCF
6	8 x 0.2 mL	1160	--	--	18,845

CRYO TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
20	1.8 mL	2219**	--	--	18,407

**Lid included (Cat. No. E2040). Optional bio-containment lid (Cat. No. 2425) or phenol-resistant lid (Cat. No. 2423) are available.

Additional images



MIKRO 220R images



EBA 20

Economy small benchtop

FEATURES:

- Small, non-refrigerated, clinical benchtop centrifuge
- One multi-functional 8-place angled rotor included:
 - Blood tubes up to 10 mL
 - Round bottom glass & plastic tubes up to 15 mL
 - Conical tubes up to 15 mL



Specifications

Centrifuge	EBA 20	
Max Capacity	8 x 15 mL	
Max RPM/RCF	6,000/ 3,461	
Dimensions	216 x 231 x 292 mm (8.5" x 9" x 11.5")	
Weight	4 kg (9 lbs)	
Cat. No.	240V 115V	2002 2002-01

Common rotor packages

ROUND BOTTOM TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
8	15 mL	--	--	--	3,461


CONICAL TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
4	15 mL	--	--	--	3,461

BLOOD TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
8	13 x 75 mm	--	--	1054-A	2,697
8	13 x 100 mm	--	--	E3080	3,461
8	16 x 100 mm	--	--	--	3,461

Additional images

		
8 x 8-10 mL	4 x 15 mL	8 x 15 mL

EBA 20S

Compact high-speed benchtop

FEATURES:

- High speed centrifuge for STAT, Platelet Poor Plasma & Coagulation samples
- 8,000 RPM 3 minute spin for consistent platelet counts less than 10,000 platelets/ μL
- Multi-functional, 8-place, high-speed rotor
 - Blood tubes up to 10 mL
 - Round-bottom tubes up to 15 mL
 - Conical tubes up to 15 mL
- 13 x 75 mm tube adapters included



Specifications

Centrifuge	EBA 20S	
Max Capacity	8 x 15 mL	
Max RPM/RCF	8,000/ 6,153	
Dimensions	216 x 231 x 292 mm (8.5" x 9" x 11.5")	
Weight	6 kg (13 lbs)	
Cat. No.	240V 115V	2080 2080-01

Common rotor packages

ROUND BOTTOM TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
8	15 mL	--	--	--	6,153


CONICAL TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
4	15 mL	--	--	--	6,153

BLOOD TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
8	13 x 75 mm	--	--	--	4,794
8	13 x 100 mm	--	--	E3080	6,153
8	16 x 100 mm	--	--	--	6,153

Additional images

		
8 x 1.1-10 mL	4 x 15 mL	8 x 15 mL

EBA 21

Basic economy benchtop

FEATURES:

- High-performance
- Multiple rotors available:
 - Microliter tubes, bio-contained
 - Round bottom tubes up to 50 mL
 - Conical tubes up to 50 mL
 - Blood tubes up to 10 mL
- Compact with a small footprint



Image of 1004 (120V)
& 1004-01 (115V)
EBA 21 (flat panel)
shown above

Image of 1004-31
(115V) EBA 21 with
raised panel shown

Specifications

Centrifuge	EBA 21		
Max Capacity	6 x 50 mL		
Max RPM/RCF	18,000/ 25,718		
Dimensions	247 x 275 x 330 mm (9.75" x 11" x 13")		
Weight	11 kg (24.25 lbs)		
Cat. No.	240V	1004	
	115V	1004-01	Raised Panel 1004-31

Common rotor packages

MICROLITER TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
24	0.2 – 2.0 mL	1024	--	--	21,382

ROUND-BOTTOM TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
12	75/ 100 mm	1118	--	--	2,879

CONICAL TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
6	15 mL	1416	--	--	4,146
6	15 mL	1116	--	1631	3,743
3	50 mL	1116	--	1641	3,824

BLOOD TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
12	13 x 75 mm	1416	--	1054-A	3,300
12	13 x 75 mm	1126	1127	--	2,960
12	13 x 100 mm	1416	--	E3080	4,146
12	16 x 100 mm	1416	--	--	4,146

ROTOFIX 32A

Economy universal benchtop

FEATURES:

- Rugged, versatile and indispensable for routine laboratory tasks
- Wide variety of accessories
- Exchangeable rotors available:
 - Round-bottom tubes up to 100 mL
 - Conical tubes up to 50 mL
 - Cytology up to 12 slide carriers



Specifications

Centrifuge	ROTOFIX 32A	
Max Capacity	4 x 100 mL -or- 32 x 15 mL	
Max RPM/RCF	6,000/ 4,226	
Dimensions	257 x 366 x 430 mm (10" x 14.5" x 17")	
Weight	23 kg (50.5 lbs)	
Cat. No.	240V 115V	1206 1206-01

Common rotor packages

ROUND-BOTTOM TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
12	15 mL	1613	--	--	4,146

CONICAL TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
6	15 mL	1620A	--	1466	3,985
8	15 mL	1617	--	1462-A	2,469
16	15 mL	1324	1398	1483	2,612
32	15 mL	1418	--	1467	2,594
4	50 mL	1324	1398	1484	2,576
6	50 mL	1620A	--	1646	3,985
8	50 mL	1418	--	1468	2,486

BLOOD TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
20	13 x 75 mm	1324	1390	1383	2,522
20	13 x 100 mm	1324	1390	1383	2,522
16	16 x 75 mm	1324	1390	1348	2,486
16	16 x 100 mm	1324	1390	1348	2,486

Common rotor packages

URINE

Qty	Size	Rotor	Bucket	Adapter	RCF
28	13 x 75 mm	1624	1742*	0716	2,325
28	16 x 75 mm	1624	1742*	0716	2,325

*Qty 16 KOVA tubes per rotor, 4 tubes per bucket placed in each corner of the bucket

Cytology

HETTICH CLIP SYSTEM

Package 1 (Rotor setup only)	Cat. No.
Clip rotor, 8 place, standard rotor with clips (Cat. No. 7011)	P701A
Cell funnel, single, disposable (50 each) (Cat. No. 7110)	
Slides, single circle, coated (50 each) (Cat. No. 7131)	
Package 2	Cat. No.
ROTOFIX 32A (Cat. No. 1206-01)	P702A
Clip rotor, 8 place, standard rotor with clips (Cat. No. 7011)	
Cell funnel, single, disposable (50 each) (Cat. No. 7110)	
Slides, single circle, coated (50 each) (Cat. No. 7131)	

HETTICH BIO-SEAL SYSTEM

Package 4	Cat. No.
ROTOFIX 32A (Cat. No. 1206-01)	P704A
Bio-seal rotor, 4 place, swing-out (Cat. No. 1624)	
Bio-seal bucket set (4 each: lid, carrier, bucket) (Cat. No. 1690)	
Bio-seal funnel, 1.0 mL (8 each) (Cat. No. 1663)	
Bio-seal funnel, 2.0 mL (8 each) (Cat. No. 1664)	

Visit hettweb.com/cytology for additional information and accessories

Additional images



ROTOR 1324

ROTOR 1418

Cytology images



CLIP ROTOR 7011

BIO-SEAL SYSTEM

UNIVERSAL 320

Standard capacity benchtop

FEATURES:

- Available in non-refrigerated (320) and refrigerated (320R) versions
- Specialty applications available:
 - Cytology up to 12 slide carriers
 - Microtiter and deep well plates
- Noise dampening technology
- Push button open and close lid with drop protection
- 10 user defined settings



Specifications

Centrifuge	UNIVERSAL 320	UNIVERSAL 320R
Max Capacity	4 x 100 mL -or- 32 x 15 mL	
Max RPM/RCF	15,000/ 21,382	
Temperature Control	--	-20 °C to +40 °C
Dimensions	346 x 395 x 520 mm 13.5" x 15.5" x 20.5"	346 x 401 x 695 mm 13.5" x 15.75" x 27.25"
Weight	31 kg (68 lbs)	53 kg (117 lbs)
Cat. No.	240V 115V	1401 1401-01
		1406 1406-01

Common rotor packages

MICROLITER TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
24	0.2 – 2.0 mL	1420	--	--	21,382

ROUND-BOTTOM TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
20	5-7 mL	1494	1430	1383	4,025
12	15 mL	1615	--	--	16,582

CONICAL TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
6	15 mL	1620A	--	1466	8,965
8	15 mL	1617	--	1462-A	3,857
16	15 mL	1324	1398	1483	3,305
32	15 mL	1418	1467	--	3,283
4	50 mL	1324	1398	1484	3,260
6	50 mL	1620A	--	1646	8,965
8	50 mL	1418	1468	--	3,147

Common rotor packages

CONICAL TUBES Cont'd

Qty	Size	Rotor	Bucket	Adapter	RCF
4	15 mL	1494	1430	1347	4,193
4	50 mL	1494	1430	1384	4,193

BLOOD TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
20	13 x 75 mm	1324	1390	1383	3,192
20	13 x 100 mm	1324	1390	1383	3,192
16	16 x 75 mm	1324	1390	1348	3,147
16	16 x 100 mm	1324	1390	1348	3,147
28	13 x 75 mm	1494	1425	1438	3,913
28	13 x 100 mm	1494	1425	1438	3,913
28	16 x 75 mm	1494	1425	1441	3,913
28	16 x 100 mm	1494	1425	1441	3,913
16	16 x 75 mm	1494	1430	1348	4,025
16	16 x 100 mm	1494	1430	1348	4,025

PLATES

Qty	Size	Rotor	Bucket	Adapter	RCF
2	deep well	1460	1453	--	2,218
2	filter	1460	1453	--	2,218
10	micro	1460	1453	--	2,218

Cytology

HETTICH CLIP SYSTEM

Package 1 (Rotor setup only)	Cat. No.
Clip rotor, 8 place, standard rotor with clips (Cat. No. 7011)	P701A
Cell funnel, single, disposable (50 each) (Cat. No. 7110)	
Slides, single circle, coated (50 each) (Cat. No. 7131)	

HETTICH CLIP SYSTEM Cont'd

Package 3	Cat. No.
UNIVERSAL 320, non-refrigerated (Cat. No. 1401-01)	P703A
Clip rotor, 8 place, standard rotor with clips (Cat. No. 7011)	
Cell funnel, single, disposable (50 each) (Cat. No. 7110)	
Slides, single circle, coated (50 each) (Cat. No. 7131)	

Visit hettweb.com/cytology for additional information and accessories

Additional images



Cytology images



ROTINA 380

Medium capacity benchtop

FEATURES:

- Available in non-refrigerated (380) and refrigerated (380R) versions
- High speed (22,789 RCF) 8 place rotor for 50 mL conical tubes
- Specialty applications available:
 - Cytology up to 8 slide carriers
 - Microtiter and deep well plates
 - Bottles up to 290 mL
- Certified bio-containment lids available



Specifications

Centrifuge	ROTINA 380	ROTINA 380R
Max Capacity	4 x 290 mL	
Max RPM/RCF	15,000/ 24,400	
Temperature Control	--	-20 °C to +40 °C
Dimensions	418 x 457 x 600 mm 16" x 18" x 23.5"	418 x 457 x 750 mm 16" x 18" x 29.5"
Weight	240V 115V	51 kg (112 lbs) 58.5 kg (129 lbs)
Cat. No.	240V 115V	1701 1701-01
		1706 1706-01

Common rotor packages

ROUND-BOTTOM TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
96	12 x 60 mm	1754	1752*	1762	4,668
96	12 x 100 mm	1754	1752*	1762	4,668
52	17 x 70 mm	1754	1752*	1763	4,668
52	17 x 100 mm	1754	1752*	1763	4,668

*Lid with bio-containment Cat. No. 1751

CONICAL TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
36	15 mL	1754	1752*	1771	4,863
16	50 mL	1754	1752*	1772	4,863
4	175 mL	1754	1752*	1782	4,863
4	175 mL	1754	1752*	1778	4,863
4	200 mL	1754	1752*	1778	4,863
4	225 mL	1754	1752*	1782	4,863

*Lid with bio-containment Cat. No. 1751

Common rotor packages

BLOOD TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
64	13 x 75 mm	1754	1752*	1783	4,668
64	13 x 100 mm	1754	1752*	1783	4,668
52	16 x 75 mm	1754	1752*	1763	4,668
52	16 x 100 mm	1754	1752*	1763	4,668

*Lid with bio-containment Cat. No. 1751

BOTTLES

Qty	Size	Rotor	Bucket	Adapter	RCF
4	250 mL	1754	1752*	1769	4,863
4	290 mL	1754	1752*	1769	4,863

*Lid with bio-containment Cat. No. 1751

PLATES

Qty	Size	Rotor	Bucket	Adapter	RCF
2	deep well	1760	1753	--	2,397
2	filter	1760	1753	--	2,397
10	microtiter	1760	1753	--	2,397

Additional images



Images Cont'd



ROTINA 420

Large capacity compact benchtop

FEATURES:

- Available in non-refrigerated (420) and refrigerated (420R) versions
- Maximum capacity of:
 - 4 x 600 ml
 - 52 x 15 ml conical tubes
 - 84-140 blood tubes
 - 16 microtiter plates
- Noise dampening technology
- Self diagnostic testing
- 98 user defined programs



Specifications

Centrifuge	ROTINA 420	ROTINA 420R
Max Capacity	4 x 600 mL	
Max RPM/RCF	15,000/ 24,400	
Temperature Control	--	-20 °C to +40 °C
Dimensions	423 x 506 x 650 mm 17" x 20" x 25.5"	423 x 713 x 654 mm 17" x 28" x 26"
Weight 240V 115V	75 kg (165 lbs) 84 kg (185 lbs)	108 kg (238 lbs) 117 kg (258 lbs)
Cat. No. 240V 115V	4701 4701-01	4706 4706-01

Common rotor packages

ROUND-BOTTOM TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
104	4 - 7 mL	4723	4750*	4762	4,030
12	10 mL	4794	--	1448	15,557
72	15 mL	4723	4750*	4763	4,030
6	30 mL	4794	--	1447	15,151
6	50 mL	4794	--	1446	15,828
6	85 mL	4794	--	--	16,504
6	94 mL	4794	--	--	16,504

*Lid with bio-containment Cat. No. 4751

CONICAL TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
52	15 mL	4723	4750*	4769	4,166
20	50 mL	4723	4750*	4770	4,143
4	175 mL	4723	4750*	4776	4,166
4	175 mL	4723	4750*	4777	4,166
4	200 mL	4723	4750*	4777	4,166
4	225 mL	4723	4750*	4776	4,166

*Lid with bio-containment Cat. No. 4751

Common rotor packages

BLOOD TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
84	13 x 75 mm	4723	4750*	4775	4,030
104	13 x 100 mm	4723	4750*	4762	4,030
72	16 x 75 mm	4723	4750*	4763	4,030
72	16 x 100 mm	4723	4750*	4763	4,030

*Lid with bio-containment Cat. No. 4751

BOTTLES

Qty	Size	Rotor	Bucket	Adapter	RCF
4	250 mL	4723	4750*	4771	4,166
4	250 mL	4795	--	--	12,007
4	400 mL	4723	4750*	4772	4,166
4	600 mL	4723	4750*	--	4,166

*Lid with bio-containment Cat. No. 4751

PLATES

Qty	Size	Rotor	Bucket	Adapter	RCF
4	deep well	4723	4752	--	3,600
4	micronic	4723	4752	--	3,600
8	microtest	4723	4752	--	3,600
12	culture	4723	4752	--	3,600
16	micro	4723	4752	--	3,600
16	micro w/cover	4723	4752	--	3,600
48 x 8	PCR	4723	4752	1469	3,600
4	PCR-96 place	4723	4752	1469	3,600

Additional images



ROTANTA 460

Large capacity benchtop

FEATURES:

- Available in non-refrigerated (460) and refrigerated (460R) versions
- 89 user defined programs
- Specialty applications available:
 - Blood bags
 - Cytology
 - High speed plate rotor (6,446 RCF)
- Chrome bath and Schlenk tubes
- Special braking ramp for spinning blood bags
- Bidirectional serial interface (optional)
- Control panel lock with key (optional)



Hettich

Specifications

Centrifuge	ROTANTA 460	ROTANTA 460R
Max Capacity	4 x 750 mL	
Max RPM/RCF	15,000/ 24,400	
Temperature Control	--	-20 °C to +40 °C
Dimensions	453 x 554 x 707 mm 17.5"x21.75"x27.75"	453 x 770 x 707 mm 17.5"x30.25"x27.75"
Weight	240V 106 kg (234 lbs) 115V 107 kg (236 lbs)	140 kg (308 lbs) 149 kg (328 lbs)
Cat. No.	240V 5600 115V 5600-01	5605 5605-01

Common rotor packages

ROUND-BOTTOM TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
76	4 - 7 mL	5624	5620*	4832	4,637
76	15 mL	5624	5620*	4833	4,637

*Lid with bio-containment Cat. No. 5621

CONICAL TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
56	15 mL	5624	5620*	4839	4,637
28	50 mL	5624	5620*	5647	4,708
4	225 mL	5624	5623	4440	5,063
4	250 mL	5624	5623	4430	5,063
4	500 mL	5624	5623	4449	5,063

*Lid with bio-containment Cat. No. 5621

BLOOD TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
108	13 x 75 mm	5624	5620*	4847	4,637
108	13 x 100 mm	5624	5620*	4847	4,684
88	16 x 75 mm	5624	5620*	4848	4,684
88	16 x 100 mm	5624	5620*	4848	4,684

*Lid with bio-containment Cat. No. 5621

Common rotor packages

BLOOD BAGS

Qty	Size	Rotor	Bucket	Adapter	RCF
4	450 mL	5624	5691	5692	4,637

BOTTLES

Qty	Size	Rotor	Bucket	Adapter	RCF
4	250 mL	5624	5620*	4841	4,779
4	290 mL	5624	5620*	4841	4,779
4	600 mL	5624	5620*	4846	4,779
4	750 mL	5624	5620*	4845	4,779

*Lid with bio-containment Cat. No. 5621

PLATES

Qty	Size	Rotor	Bucket	Adapter	RCF
24	micro	5624	5628*	4626	4,211
4	deep well	5624	5628*	4626	4,211
4	filter	5624	5628*	4626	4,211
12	micro	4620	4623**	4626	6,446
2	deep well	4620	4623**	4626	6,446
2	filter	4620	4623**	4626	6,446

*Lid with bio-containment Cat. No. 5629

**Lid with bio-containment Cat. No. 4627

Additional images:



ROTANTA 46RSC

Large capacity robotic centrifuge

FEATURES:

For integration with laboratory automation systems.

- Sliding hatch for robotic access
- Accurate rotor positioning system
- Bidirectional serial interface with controller
- Control panel lock with key



Specifications

Centrifuge	ROTANTA 46RSC ROBOTIC
Max Capacity	4 x 250 mL
Max RPM/RCF	6,200/ 6,446
Temperature	-20 °C to +40 °C
Dimensions	684 x 548 x 684 mm (27" x 21.75" x 27")
Weight	156 kg (344 lbs)
Cat. No. Rear Hatch	4817 (240V)
Cat. No. Front Hatch	4817-10 (240V)
Cat. No. Rear Hatch	4817-01 (115V)
Cat. No. Front Hatch	4817-11 (115V)

Our robotic centrifuge is designed for simple integration with laboratory automation systems in clinical chemistry & life sciences.

There are many set-up options available. Please contact us for additional information.

ROTIXA 50

Floor standing centrifuge

FEATURES:

- Available in non-refrigerated (50S) and refrigerated (50RS) versions
- Maximum capacity of:
 - 4 x 1,000 mL
 - 92 x 15 mL Conical tubes
 - 120 Blood tubes
 - 4 x 500 mL Blood bags
- Best for high sample throughput
- Bidirectional serial interface (optional)
- Control panel lock with key



Specifications

Centrifuge	ROTIXA 50S	ROTIXA 50RS
Max Capacity	4 x 1,000 mL	
Max RPM/RCF	4,900/ 5,530	
Temperature Control	--	-20 °C to +40 °C
Dimensions	1,030 x 650 x 720 mm (40.5"x25.5"x28.25")	
Weight	115 kg (253.5 lbs)	172 kg (379 lbs)
Cat. No. 240V	4905	4910

Common rotor packages

ROUND-BOTTOM TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
192	12 x 82 mm	4294	4295*	4213	4,777
192	12 x 100 mm	4294	4295*	4213	4,777
100	16 x 101 mm	4294	4295*	4223	4,777

*Lid Cat. No. 4229

CONICAL TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
92	15 mL	4294	4295*	4232	4,958
32	50 mL	4294	4295*	4245-A	4,958
4	225 mL	4294	4254 w/ 4255	4440	5,184
4	250 mL	4294		4430	5,184
4	500 mL	4294		4449	5,184

*Lid Cat. No. 4229

BLOOD TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
120	13 x 75 mm	4294	4295*	4222-93	4,777
120	13 x 100 mm	4294	4295*	4222	4,777
120	16 x 75 mm	4294	4295*	4214-93	4,777
120	16 x 100 mm	4294	4295*	4214	4,777

*Lid Cat. No. 4229

Common rotor packages

BLOOD BAGS

Qty	Size	Rotor	Bucket	Adapter	RCF
4	500 mL (quad)	4294	4298	4237	5,003

BOTTLES

Qty	Size	Rotor	Bucket	Adapter	RCF
4	750 mL	4294	4254	--	5,184
4	1,000 mL	4294	w/ 4255	--	5,184

Additional images:



ROTOR 4294

ROTO SILENTA

Floor standing centrifuge

FEATURES:

- Available with internal or external cooling for GMP and clean-room environments
- Non-wind shielded rotor for best sample temperature control
- Quiet and smooth operation with up to a 120 gram imbalance
- Control panel lock with key
- Bidirectional serial interface (optional)
- Bar code reader (optional)
- Hettinfo software package (optional)



Specifications

Centrifuge	ROTO SILENTA 630RS	
Max Capacity	6 x 2,000 mL	
Max RPM/RCF	4,500/ 6,498	
Temperature	-20 °C to +40 °C	
Dimensions	973 x 813 x 1,015 mm (28.25" x 32" x 40")	
Weight	360 kg (793.5 lbs)	
Cat.No.	400V	5005
	208V 3 Phase	5005-08

Common rotor packages

CONICAL TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
138	15 mL	4176	4522	4232	5,999
48	50 mL	4176	4522	4245-A	5,999
6	175 mL	4176	4547*	4440	6,384
6	175 mL	4176	4547*	4430	6,384
6	200 mL	4176	4547*	4430	6,384
6	225 mL	4176	4547*	4440	6,384
6	250 mL	4176	4547*	4430	6,384
6	500 mL	4176	4547*	4449	6,384

*Lid with bio-containment Cat. No. 5621

BLOOD TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
126	13 x 75 mm	4176	4547*	4435	5,841
126	13 x 100 mm	4176	4547*	4435	5,841
180	13 x 75 mm	4176	4522	4222-93	5,818
180	13 x 100 mm	4176	4522	4222	5,818

*Lid with bio-containment Cat. No. 5621

Common rotor packages

BLOOD TUBES CONT'D

Qty	Size	Rotor	Bucket	Adapter	RCF
114	16 x 75 mm	4176	4547*	4434	5,977
114	16 x 100 mm	4176	4547*	4434	5,977
180	16 x 75 mm	4176	4522	4214-93	5,818
180	16 x 100 mm	4176	4522	4214	5,818

*Lid with bio-containment Cat. No. 5621

BLOOD BAGS

Qty	Size	Rotor	Bucket	Adapter	RCF
Quadruplicate					
12	450 mL	4176	4546	4559-H	6,271
12	500 mL	4176	4591	4592-H	6,498

Quadruplicate, leukocyte filters

6	500 mL	4176	4523	4516	6,294
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Holding system, Quadruplicate, 500mL

12	Baxter/ Fenwal	4176	4524	4525	6,498
12	Fresenius	4176	4524	4525	6,498
12	Macopharma	4176	4524	4525	6,498
12	Terumo	4176	4524	4525	6,498
12	Kawasumi	4176	4524	4525	6,498

Thrombocyte bag, double

18	100 mL	4176	4514	--	6,181
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Thrombocyte plate

24	100 mL	4176	4595	4596	6,316
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BOTTLES

Qty	Size	Rotor	Bucket	RCF
6	1,000 mL	4176	4579 w/ 4255	6,294
6	2,000 mL	4176	4595	6,362

Additional images



CYTO-SYSTEM

Fast single layer slide preparation

FEATURES:

- Cyto-rotor fits general purpose centrifuges with closed and quick-release versions available
- 4, 8 and 12 place options with a max capacity of 12 slides (24 funnels)
- Single, double & large disposable & reusable funnels
- Attached & unattached filter cards
- EXCLUSIVE - Reusable Funnel System
- Wet or Dry Sedimentation



Conquer multi-cellular samples, one layer at a time.

Slide preparation is the optimal way of viewing cells in a single layer. The Hettich Cyto-System offers a dependable method to create a mono layer of cells in one quick easy step. From 0.2 mL to 8 mL, single funnel or up to 24 sample locations per spin. Optimize your lab with a quick rotor exchange to spin round bottom, conical/ skirted or other flat bottom tubes up to 100 mL, all on one centrifuge!

Hettich Clip System



Flexibility for low and high throughput labs. Several rotor options with 4, 8 and 12 places. Closed rotors for sample containment and quick release rotors for easy transport.

Ideal for: Urinalysis, Abdominal & Spinal fluids, Cysts, Biopsies, Ascites

Clips & funnels



Single and double funnels with attached or unattached filter cards plus sealing cap. Corresponding glass slides with etched location ring.

Ideal for: Pap tests, Urinalysis, Pleura-pericardium fluid, Fine Needle Aspiration

Bio-Seal System



Certified bio-containment carrier with clear sealing lid. Optimize lab throughput with multiple funnel options in 2, 3, or 4 funnels per slide. Perfect funnel for every application from 0.2mL to 8 mL.

Ideal for: CSF, Viral infections, Bronchial secretions

Applications

CSF	Bronchial Secretions
Pap tests	Viral Infections
Urinalysis	Abdominal Fluids
Cysts	ISH
Cultures	FISH
Ascites	Pleura-pericardium fluid

Laboratories

Cytology	Blood Labs
Oncology	Microbiology
Pediatrics	Gynecology
Pathology	Virology
Neurology	Internal Medicine
Pediatrics	Immunohistochemistry
Hematology	

Recommended centrifuges

	<p>ROTOFIX 32A</p> <p>Rugged, versatile and indispensable for routine laboratory tasks. Cytology up to 12 slides carriers.</p> <p><i>See page 22</i></p>
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	<p>UNIVERSAL 320</p> <p>Versatile with a comprehensive range of accessories enabling the 320 to carry out virtually any centrifugation task.</p> <p><i>See page 26</i></p>
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Starter packages

PACKAGE 1 – CLIP SYSTEM

Description	Cat. No.
Clip rotor, 8 place with clips (Cat. No. 7011)	P701A
Cell funnel, single, disposable (50 each) (Cat. No. 7110)	
Slides, single circle, coated (50 each) (Cat. No. 7131)	

PACKAGE 2 – CLIP SYSTEM

Description	Cat. No.
ROTOFIX 32A (Cat. No. 1206-01)	P702A
Clip rotor, 8 place with clips (Cat. No. 7011)	
Cell funnel, single, disposable (50 each) (Cat. No. 7110)	
Slides, single circle, coated (50 each) (Cat. No. 7131)	

PACKAGE 3 – CLIP SYSTEM

Description	Cat. No.
UNIVERSAL 320, non-refrigerated (Cat. No. 1401-01)	P703A
Clip rotor, 8 place with clips (Cat. No. 7011)	
Cell funnel, single, disposable (50 each) (Cat. No. 7110)	
Slides, single circle, coated (50 each) (Cat. No. 7131)	

PACKAGE 4 – BIO-SEAL SYSTEM

Description	Cat. No.
ROTOFIX 32A (Cat. No. 1206-01)	P704A
Bio-seal rotor, 4 place, swing-out (Cat. No. 1624)	
Bio-seal bucket set (4ea: lid, carrier, bucket) (Cat. No. 1690)	
Bio-seal funnel, 1.0 mL (8 each) (Cat. No. 1663)	
Bio-seal funnel, 2.0 mL (8 each) (Cat. No. 1664)	

Ordering information

CENTRIFUGES

Description	Cat. No.
ROTOFIX 32A (115V) <i>See specifications on page 22</i>	1206-01
ROTOFIX 32A (240V) <i>See specifications on page 22</i>	1206
UNIVERSAL 320 (115V) <i>See specifications on page 26</i>	1401-01
UNIVERSAL 320 (240V) <i>See specifications on page 26</i>	1401
UNIVERSAL 320R (115V) <i>See specifications on page 26</i>	1406-01
UNIVERSAL 320R (240V) <i>See specifications on page 26</i>	1406

CLIP SYSTEM ACCESSORIES

Description	Cat. No.
Clip rotor, standard, 4 place with clips	7010
Clip rotor, standard, 8 place with clips	7011
Clip rotor, standard, 12 place with clips	7012
Clip rotor, quick release, 4 place with clips	7013
Clip rotor, quick release, 8 place with clips	7014
Clip rotor, quick release, 12 place with clips	7015
Clip rotor, closed, 8 place with clips	7017
Clip rotor, closed, 12 place with clips	7018
Cell funnel, single, disposable (50 each)	7110
Cell funnel, single, disposable (500 each)	7111
Cell funnel, single, reusable (12 each)	7112
Filter cards, single funnel (200 each)	7120
Slides, single circle, uncoated (50 each)	7130
Slides, single circle, coated (50 each)	7131
Cell funnel, double, disposable, offset (25 each)	7210
Cell funnel, double, disposable, offset (500 each)	7215
Cell funnel, double, reusable (12 each)	7212
Filter cards, double funnel (1,000 each)	7220
Slides, double circle, uncoated (50 each)	7230

Ordering information

CLIP SYSTEM ACCESSORIES CONT'D

Description	Cat. No.
Slides, double circle, coated (50 each)	7231
Slides, double circle, coated, offset (50 each)	7232
Replacement clips for Hettich Clip Rotor (4 each)	7310

BIO-SEAL SYSTEM ACCESSORIES

Description	Cat. No.
Bio-seal rotor, 4 place, swing-out	1624
Bio-seal bucket set (4 each: lid, carrier, bucket)	1690
Bio-seal funnel, 1.0 mL	1663
Bio-seal funnel, 2.0 mL	1664

WORK STATIONS

Easy positioning in your lab

Rolling cabinets for Hettich centrifuges save space on the laboratory bench while ensuring enhanced flexibility. All rolling cabinets are of sturdy design and feature castors and two locks.

Rolling cabinets with Cat. No. 4612-K and 4613-K are suited for the models:

- ROTOFIX 32A
- UNIVERSAL 320/ 320R
- ROTINA 380/ 380R
- ROTINA 420
- ROTANTA 460/ 460S

Rolling cabinets with Cat. No. 4614-K and 4615-K are suited for the models:

- ROTINA 420R
- ROTANTA 460R/ 460RS



Cat. No.	Dimensions (HxWxD)
4612-K (1 Drawer)	260 x 550 x 650 mm (10.25" x 21.65" x 25.60")
4614-K (1 Drawer)	260 x 770 x 650 mm (10.25" x 30.30" x 25.60")
4613-K (2 Drawer)	550 x 550 x 650 mm (21.65" x 21.65" x 25.60")
4615-K (2 Drawer)	550 x 770 x 650 mm (21.65" x 30.30" x 25.60")



Customer Service

Our customer and sales support team is available to help you with all of the following:

- Determine which product is best for you
- Product pricing and availability
- Where to purchase
- Application information
- Product features and benefits
- General questions and information

Technical Service

Hettich product technicians are also available to assist you with any technical service questions:

- General product support
- Operating instruction
- Product updates
- User documentation
- Service related issues
- Product training

Contact

North America:

Monday-Friday, 9am-5pm EST.

Please ask for customer or technical service:

Toll Free: 1-866-370-4388 (HETT)

Customer Service Email: info@hettweb.com

Technical Service Email: service@hettweb.com

www.hettweb.com

Asean Countries:

Phone: +65 6562 8448

Fax: +65 6562 9938

Customer/Technical Service Email:

samuel@hettichlab.com.sg

Worldwide:

Please ask for customer or technical service:

Phone: +49 (0)7461 705 203

Customer Service Email: info@hettichlab.com

Technical Service Email: service@hettichlab.com

www.hettichlab.com



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