

CENTRIFUGE
PRODUCT GUIDE

Hettich





Table of Contents

About Hettich	1
Spinning Guide	2 - 5
MANUAL Centrifuge	6 - 7

Micro Centrifuges

MIKRO 120	8 - 9
MIKRO 200	10 - 11
MIKRO 220	12 - 15

Basic Centrifuges

EBA 20	16 - 17
EBA 20S	18 - 19
EBA 21	20 - 21
ROTOFIX 32A	22 - 25

Standard Centrifuges

UNIVERSAL 320	26 - 29
ROTINA 380	30 - 33
ROTINA 420	34 - 37
ROTANTA 460	38 - 41

Floor Standing Centrifuges

ROTANTA 46RSC Robotic	42 - 43
ROTIXA 50	44 - 47
ROTO SILENTA 630RS	48 - 51

Accessories

Cytology	52
Cabinets	53

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
CENTRIFUGE		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	--	76	16
	ROTIXA 50	--	120	24
	ROTO SILENTA	--	180	36

*Indicates max capacity on MIKRO 220R

THE TABLE ABOVE IS BASED ON THE MAXIMUM QUANTITY A CENTRIFUGE CAN HOLD PER RUN. IT IS A GUIDE TO HELP YOU QUICKLY SELECT THE CORRECT CENTRIFUGE MODEL. FOR ADDITIONAL CENTRIFUGE CONFIGURATIONS PLEASE VISIT hettichlab.com OR CALL CUSTOMER SERVICE AT +49 (0) 7461 705 201

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						
--	--	--	--	--	--	8
--	--	--	--	--	--	10
--	--	12	8/12	6	3/-	12
--	--	8	-/8	4	--	16
--	--	12	8/12	6	3/-	20
4	--	32/20	28/16	32	8	22
4	--	32	28	32	8	26
4	4	64	52	36	16	30
8 12 (40 x 115 mm)	4	84/104	72	52	20	34
8 12 (40 x 115 mm)	6	108	96/88	56	28	38
8 12 (40 x 115 mm)	4	96	96	56	24	42
16	6	120	120	92	32/24	44
24	6	180	180	138	48/36	48

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



TUBE TYPE

<< Continued from previous page

		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

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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
--	--	--	--	--	--	20
--	--	--	--	--	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	44
6	6	12	--	--	--	48

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	
Swing-out 50°	3,000/ 1,076
Swing-out 90°	3,000/ 1,300
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	Capacity	Rotor	Bucket	RPM	RCF
4	15 ml	1025	--	3,000	1,076

CONICAL TUBES ONLY

Qty	Capacity	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 (HxWxD)		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	Capacity	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

		
ROTOR 1212	ROTOR 1218	ROTOR 1224

* 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 (HxWxD)	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	Capacity	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	Capacity	Rotor	Accessories	RCF
20	1.8 ml	2426-A†	2425*, 2423**	21,130

PCR STRIPS

Qty	Capacity	Rotor	Accessories	RCF
4	8 x 0.2 ml	2418	E2040***	14,338

Additional images

		
MIKRO 200R	ROTOR 2427	ROTOR 2418

† 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 (HxWxD)	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 (46 lbs)	42 kg (92.5 lbs)
Cat. No.	240V 115V	2200 2200-01
		2205 2205-01

Common rotor packages

MICROLITER TUBES

Qty	Capacity	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	--	1377	14,171

*Lid with bio-containment (autoclavable) included.

CONICAL TUBES (MIKRO 220R Only)

Qty	Capacity	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

Common rotor packages

PCR STRIPS

Qty	Capacity	Rotor	Bucket	Adapter	RCF
6	8 x 0.2 ml	1160	--	--	18,845

CRYO TUBES

Qty	Capacity	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

		
MIKRO 220R	ROTOR 1015	ROTOR 1016

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 (HxWxD)	216 x 231 x 292 mm (8.5" x 9" x 11.5")	
Weight	4 kg (9 lbs)	
Cat. No.	240V	2002
	115V	2002-01

Common rotor packages

ROUND BOTTOM TUBES

Qty	Capacity	Rotor	Bucket	Adapter	RCF
8	15 ml	--	--	--	3,461




CONICAL TUBES

Qty	Capacity	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	--	--	1058	3,461
8	16 x 100 mm	--	--	--	3,461

Additional images

		
8 x 1,6-10 ml	4 x 15 ml	8 x 15 ml

EBA 20S

Compact high-speed benchtop

FEATURES:

- High-performance centrifuge for STAT, Platelet Poor Plasma & Coagulation samples
- 8,000 RPM 3 minute spin for consistent platelet counts less than 10,000 platelets / μ l
- Multi-functional, 8-place, high-performance rotor
 - Blood tubes up to 10 ml
 - Round-bottom tubes up to 15 ml
 - Conical tubes up to 15 ml
- Tube adapters included



Specifications

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

Common rotor packages

ROUND BOTTOM TUBES

Qty	Capacity	Rotor	Bucket	Adapter	RCF
8	15 ml	--	--	--	6,153




CONICAL TUBES

Qty	Capacity	Rotor	Bucket	Adapter	RCF
4	15 ml	--	--	--	6,153

BLOOD TUBES

Qty	Size	Rotor	Bucket	Adapter	RCF
8	13 x 75 mm	--	--	incl.	4,794
8	13 x 100 mm	--	--	1058	6,153
8	16 x 100 mm	--	--	--	6,153

Additional images

		
8 x 1,6–10 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



Specifications

Centrifuge	EBA 21
Max Capacity	6 x 50 ml
Max RPM/RCF	18,000/ 25,718
Dimensions (HxWxD)	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

Common rotor packages

MICROLITER TUBES

Qty	Capacity	Rotor	Bucket	Adapter	RCF
24	0.2 – 2.0 ml	1024	--	--	21,382

ROUND-BOTTOM TUBES

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

CONICAL TUBES

Qty	Capacity	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	--	1058	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 8 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 (HxWxD)	257 x 366 x 430 mm (10" x 14.5" x 17")	
Weight	23 kg (50.5 lbs)	
Cat. No.	240V	1206
	115V	1206-01

Common rotor packages

ROUND-BOTTOM TUBES

Qty	Capacity	Rotor	Bucket	Adapter	RCF
12	15 ml	1613	--	--	4,146

CONICAL TUBES

Qty	Capacity	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

* Lid with bio-containment available Cat. No. 1382

Common rotor packages

BLOOD TUBES Cont'd

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

Additional images



Cytology images



UNIVERSAL 320

Standard capacity benchtop

FEATURES:

- Available in non-refrigerated (320) and refrigerated (320R) versions
- Specialty applications available:
 - Cytology up to 8 slide carriers
 - Microtiter plates (MTP), deep well plates (DWP) and filter plates (QP)
- 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 (HxWxD)	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	Capacity	Rotor	Bucket	Adapter	RCF
24	0.2 – 2.0 ml	1420-A	--	--	21,382

ROUND-BOTTOM TUBES

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

*Lid with bio-containment Cat. No. 1382

CONICAL TUBES

Qty	Capacity	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	Capacity	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

*Lid with bio-containment Cat. No. 1382

PLATES

Qty	Type	Rotor	Bucket	Adapter	RCF
2	deep well	1460	1453	--	2,218
2	filter	1460	1453	--	2,218
10	microtiter	1460	1453	--	2,218

Additional images

		
UNIVERSAL 320R	ROTOR 1460	ROTOR 1494

Cytology images

	
ROTOR 1626 with cyto suspensions 1660	Cyto suspension 1660 with lid 1661 and slide carrier 1662

ROTINA 380

Medium capacity benchtop

FEATURES:

- Available in non-refrigerated (380) and refrigerated (380R) versions
- Specialty applications available:
 - Cytology up to 8 slide carriers
 - Microtiter (MTP) and deep well plates (DWP)
 - 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 (HxWxD)		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)	81 kg (172 lbs) 88.5 kg (188 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	Capacity	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	Capacity	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	Type	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



ROTOR 1754



ROTOR 1760

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
 - 84-104 blood tubes
 - 16 microtiter plates (MTP)
- 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 (HxWxD)	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	Capacity	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	Capacity	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	Capacity	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	Type	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	microtiter	4723	4752	--	3,600
16	microtiter with cover	4723	4752	--	3,600
48 x 8	PCR strips	4723	4752	1485	3,600
4	PCR 96-place	4723	4752	1485	3,600

Additional images



ROTOR 4723



ROTOR 4795

ROTANTA 460

Large capacity benchtop

FEATURES:

- Available in non-refrigerated (460) and refrigerated (460R) versions
- 89 user defined programs (models with S control panel)
- 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 (only in model 460RS)
- Bidirectional serial interface (optional)
- Control panel lock with key (optional)



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 (HxWxD)		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 115V	106 kg (234 lbs) 107 kg (236 lbs)	140 kg (309 lbs) 149 kg (329 lbs)
Cat. No.	240V 115V	5600 5600-01	5605 5605-01

Common rotor packages

ROUND-BOTTOM TUBES

Qty	Capacity	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	Capacity	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
76	13 x 75 mm	5624	5620*	4832	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 (only in model 460RS)

Qty	Capacity	Rotor	Bucket	Adapter	RCF
4	450 ml	5624	5691	5692	4,637

BOTTLES

Qty	Capacity	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	Type	Rotor	Bucket	Adapter	RCF
24	microtiter	5624	5628*	4626	4,211
4	deep well	5624	5628*	4626	4,211
4	filter	5624	5628*	4626	4,211
12	microtiter	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 (HxWxD)	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 & the 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 (1,000) 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 (HxWxD)	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	Capacity	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 with 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	Capacity	Rotor	Bucket	Adapter	RCF
4	500 ml (quad)	4294	4298	4237	5,003

BOTTLES

Qty	Capacity	Rotor	Bucket	Adapter	RCF
4	750 ml	4294	4254	--	5,184
4	1,000 ml	4294	with 4255	--	5,184

Additional images:



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 (HxWxD)	973 x 813 x 1,015 mm (28.25" x 32" x 40")
Weight	360 kg (793.5 lbs)
Cat.No. 400V 3 Phase	5005
208V 3 Phase	5005-08

Common rotor packages

CONICAL TUBES

Qty	Capacity	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	Capacity	Rotor	Bucket	Adapter	RCF
Quadruplicate					
12	450 ml	4176	4546	4559-H	6,271
12	500 ml	4176	4591	4592-H	6,498
6	500 ml	4176	4523	4516	6,294

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	Capacity	Rotor	Bucket	RCF
6	1,000 ml	4176	4579 with 4255	6,294
6	2,000 ml	4176	4595	6,362

Additional images



CYTOLOGY

Cells - fundamental to life

Hettich manufactures a variety of slide carriers and sample tubes for cytological applications such as:

- **CSF** (cerebrospinal fluid)
- **BAL** (bronchoalveolar lavage) liquid lung biopsy
- **Urine**
- **Pleural Fluids**
- **Ascites**
- **Cysts**
- **Cultures**
- **Viral Infections**
- **ISH**
- **FISH**

Use your standard Hettich bench-top centrifuge for perfect slide preparation by using a slide carrier with one of our sample tubes (1-8 ml capacity) to prepare a single cell sedimentation layer (30-240 mm²) before staining and fixing.



Most common used cyto packages

Carrier	Tube	Filter	Capacity	Area
1470	1471	1676	8 ml	240 mm ²
1662	1663	1675	1 ml	30 mm ²
	1664	1675	2 ml	60 mm ²
	1665	1675	4 ml	120 mm ²
	1666	1676	8 ml	240 mm ²

Additional cyto accessories available on www.hettichlab.com

CABINETS

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



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