

Hettich

ZENTRIFUGEN

BLOOD TRANSFUSION PRODUCTS

You Can Bank On Us



THE HETTICH ADVANTAGE



MORE THAN 110 YEARS OF QUALITY, SAFETY & RELIABILITY.



Since its foundation in 1904, Hettich Lab Technology has worked with scientists to deliver equipment that meets the demands of the modern laboratory. We use over 110 years of experience in the laboratory market to engineer application-specific and general-purpose products that improve workflows and provide the best user experience.

WE KNOW CENTRIFUGES

Hettich Lab Technology designs, engineers and manufactures centrifugation systems for the full range of blood transfusion applications. From compact hematocrit centrifuges, to floor-standing blood bag centrifuges, Hettich offers complete blood bank centrifugation solutions. Specialized accessories that improve laboratory workflows such as the HettLiner blood bag support insert and the balancing weights add to the feature-rich Hettich centrifugation line.

- Compact, benchtop and floor models available
- Configurations for all blood bag formats
- Processing of 4, 6, 8 or 12 blood bags
- High capacity configurations for up to 196 blood tubes
- Compact STAT centrifuges for 90°/horizontal separation
- Wide variety of adapters and accessories

QUALITY

Hettich Lab Technology continues to advance centrifugation by developing new centrifuges and accessories according to quality management systems ISO 9001, ISO 14001, and ISO 13485, which respond to the needs of lab managers. Hettich equipment is manufactured in accordance with all relevant regulations including CE and IEC 61010-2-020. Each machine, rotor and carrier set is individually checked prior to shipment. Hettich is a FDA-registered manufacturer.

SAFETY

For over 110 years Hettich Lab Technology has stood by the quality, safety, and reliability of its products. Hettich supports its centrifuges with all-metal containment and the Hettich Safety-Lock system to provide the greatest safety in the laboratory. We adhere to strict manufacturing quality standards and keep our certifications current and active.

THE HETTICH ADVANTAGE



COMPLETE LINE OF CENTRIFUGATION PRODUCTS

WE SPECIALIZE IN CENTRIFUGATION

Hettich manufactures a complete centrifuge product line ranging from compact tabletop models to high-capacity floor-standing centrifuges, including models for clinical, research, and specialty applications. Please inquire for more details.

- Compact tabletop centrifuges
- Medium to high-capacity benchtop models
- High-capacity, whole blood, floor standing models
- Wide variety of centrifugation accessories



DISTINCTIVE DESIGN ACROSS ALL MODELS

EASY-LIFT

Our Easy-Lift Lid, featuring stay-in-place positioning and lid drop protection, is ergonomically designed to limit repetitive stress injuries, spillage and accidental sample disruption when loading and unloading your centrifuge.

RUN-SILENT OPERATION

Excessive noise in the laboratory can lead to distractions, stress, anxiety, high blood pressure and chronic fatigue. Our centrifuges are as quiet as a normal conversation and will not increase noise levels within your lab.

TWO (2) YEAR WARRANTY

Quality you can trust. All Hettich centrifuges come with a 2-year warranty for worry-free ownership.



SAFETY-LOCK

Hettich Safety-Lock ensures a safe, tight closure of the all metal centrifuge chamber during operation.

CERTIFIED MANUFACTURER

Hettich centrifuges comply with all relevant worldwide safety requirements and standards. We take pride in the fact that all stages of design, engineering and manufacturing are subject to strict quality standards, such as ISO 13485. Hettich is also a FDA registered centrifuge manufacturer.

PROGRAMMABILITY

Our simple, clear and ergonomic control panels allow for easy input. Application settings can be pre-programmed for quick recall of parameters ensuring repeatability. Programmable settings include:

- Acceleration/ Deceleration
- Breaking profiles
- Pre-cooling
- End of cycle notifications
- Data logging features & more

THE HETTICH ADVANTAGE

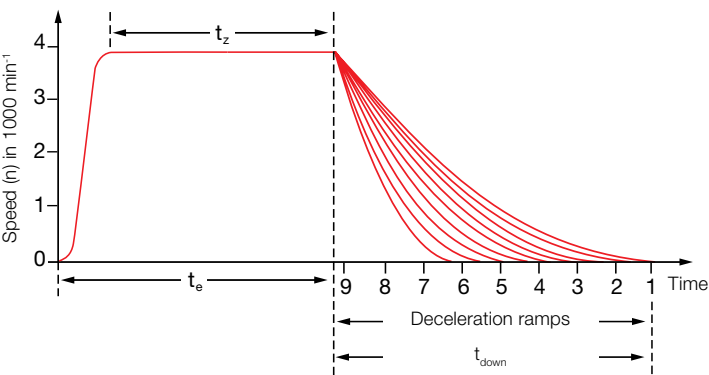


BEST SEPARATION RESULTS

The braking characteristics of the rotor have a decisive influence on the quality of separation achieved, especially at low centrifugation speeds, such as those commonly run in the preparation of platelet concentrate (PC) or platelet rich plasma (PRP).

The regular R-ramps brake the rotor uniformly over the entire t_{down} time. Loosely packed sediment may be resuspended during this critical run-down phase. In contrast to this the B-ramps brake the rotor rapidly at first then slowly so that it gently comes to a standstill.

As with the R-ramps, a speed can also be entered for the B-ramps at which the brake is disengaged. The rotor then comes to a stop without braking.



B-ramps enable the carriers to return to a vertical position gently and without vibration before coming to a stop.

MODEL VARIANTS

To accommodate the diverse needs of blood centers and stem cell processing centers, Hettich centrifuges are available in a variety of models. Most models have the option of built-in temperature control for sensitive samples. External cooling units and other options are also available for centers that need to reduce heat and noise emissions for GMP/GLP requirements. Speak with your local sales representative to learn which Hettich configuration fits your application.



AIR COOLED

Standard air-cooled models use an on-board, sealed refrigeration system to maintain desired sample temperature.



WATER COOLED CONDENSER

GMP, to be connected to an external water circuit or water supply



EXTERNAL COOLING

GMP, to be connected to an external cooling unit

ROTO SILENTA 630 RS

Air cooled	400V 3~ +N 50-60 Hz	5005
Air cooled	208-220V +6/-10% 3~ +N 50-60 Hz	5005-08
Water cooled condenser	400V 3~ +N 50-60 Hz	5005-80
Brine cooling	400V 3~ +N 50-60 Hz	5005-60
External cooling	400V 3~ +N 50-60 Hz	5005-90

ROTIXA 500 RS

Air cooled	230-240V 1~ 50 Hz, 220V 1~ 60 Hz	4950
Air cooled	208V 1~, 60 Hz	4950-08
Water cooled condenser	230-240V 1~ 50 Hz, 220V 1~ 60 Hz	4950-80
Water cooled condenser	208V 1~, 60 Hz	4950-88

THE HETTICH ADVANTAGE



HETTICH'S OPTIMAL SAMPLE ENVIRONMENT

1 EVEN-FLOW CIRCULATION

Unimpeded air movement maintains a constant "at sample" temperature.

- Higher accuracy of sample temperature
- Reduced precooling & processing cooling times

2 DUAL TEMPERATURE SENSORS

Dual temperature sensors provide greater temperature control and more accurate "at sample" temperatures.

3 HYGIENIC CHAMBER

Centrifuge chamber is made with medical grade stainless steel and rounded edges to maximize hygiene. Without a rotor windshield users can load samples easily and clean the chamber thoroughly for a hygienic sample environment.

4 SAFETY-LOCK

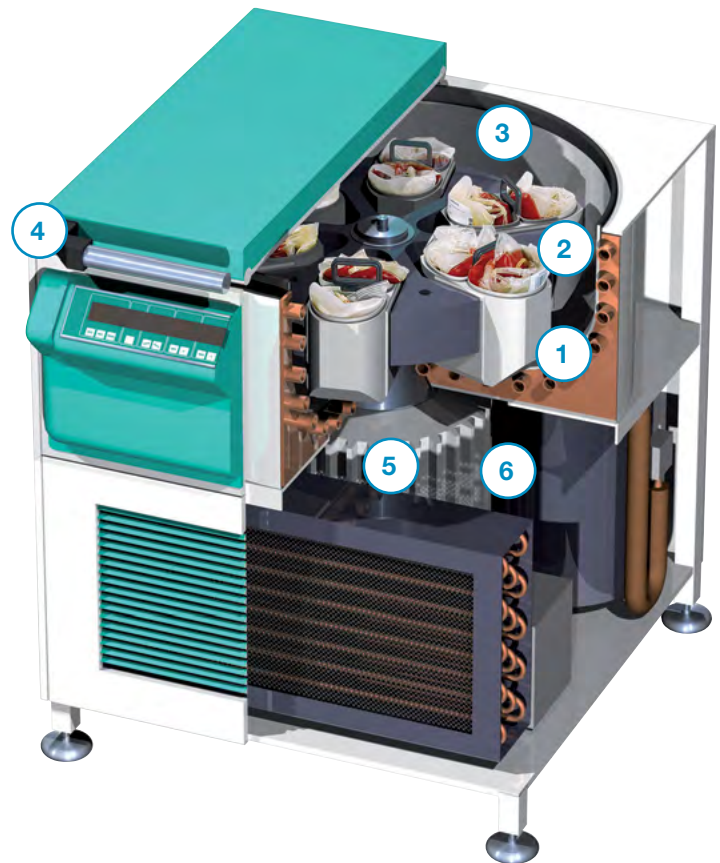
Auto-locking and secure lid sits inside the bowl forming a tight seal fully enclosing the chamber.

5 REPRODUCIBLE ACCELERATION/DECELERATION

Powerful motor for maximized acceleration to target speed. Quiet, reliable and maintenance free.

6 UNIFORM BRAKING

A variety of braking presets available to ensure centrifuged sample integrity upon completion.



DOCUMENTED QUALITY



A COMPLETE PROGRAM

The HettInfo documentation system automatically logs and stores all centrifugation data for up to 29 centrifuges, providing reliable transparency. Built-in barcode kits and external barcode kits allow users to input blood bag and user data quickly and without error for full traceability. To learn more about how HettInfo can streamline and strengthen documentation in your center, refer to page 14.

HETTICH ADVANTAGE



COMPREHENSIVE ACCESSORY OFFERINGS



HETTLINER

The HettLiner is a smart, simple and hygienic accessory that is used to stabilize blood bags during centrifugation. HettLiners reduce the risk of folds and contamination and optimize reproducible product quality. **(Cat. No. 4564)**

CARRIERS/INSERTS

Hettich offers market-leading whole blood processing adapters with stabilizing bag hooks and convenient carrying handles. Built durable: withstands accidental drops and guarantees significantly longer life cycles than competitive products.

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)**

BALANCING INSERTS

Hettich Balancing Inserts make it quick and easy to counterbalance weight if you are spinning an uneven amount of bags. The freedom to adapt the weight of these inserts will speed up your routine and optimize your results. **(Cat. No.: 4587-A, 4584-A, 4589-A)**

BALANCING WEIGHTS

Hettich Balancing Weights allow users to finely tune rotor weight distribution effortlessly. Weights are easy to clean, and easy to differentiate because of their varying shapes, sizes and colours. **(Cat. No. 4566)**

LONGER LIFE CYCLES

Hettich whole blood processing accessories provide life cycles up to five times longer than that of the competition, giving laboratories a significantly greater return on investment.

BLOOD PROCESSING CENTRIFUGES



ROTO SILENTA 630 RS FLOOR-STANDING CENTRIFUGE

THE HEART OF YOUR BLOOD BANK

Engineered for whole blood processing and large sample volumes, the ROTO SILENTA is “the choice” in 12 L centrifugation. The ROTO SILENTA combines a powerful motor with a wide range of accessories and a safe, hygienic environment to enable a fast, safe workflow. Its low deck height and open chamber provide easy access to the centrifuge rotor for ergonomic loading and unloading. Additionally, open access to the centrifuge chamber simplifies the cleaning process and reduces regular maintenance.

- High capacity with up to (12) 750 ml blood bags with or without satellite bags
- Fully programmable, ergonomic front-facing control panel for easy entry of application parameters
- All-metal containment with Safety-Lock
- Complete application packages for PRP, buffy coat & more
- HettInfo data documentation system available (see pg. 14 for details)
- Non-windshielded rotors



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ROTO SILENTA 630 RS		
Temperature Control:	-20 °C to +40 °C	
Cooling:	Air cooled (for other options see pg. 4)	
Max. Capacity:	6 x 2,000 ml	
Max. RPM:	≤ 6,000 min ⁻¹	
Max. RCF:	≤ 6,520	
Dimensions (HxWxD):	973 x 813 x 1,015 mm	
Weight:	approx. 355 kg	approx. 401 kg
Tube Types:	BLOOD BAGS, ALL STANDARD TUBES AND BOTTLES	
Power Supply:	400 V 3 ~ + N	208 – 220 V +6 / -10% 3 ~ (+ N) w/ internal transformer
Frequency	50 - 60 Hz	50 - 60 Hz
Emission, Immunity:	EN / IEC 61326-1, class B	
Data Documentation System:	HettInfo data documentation system with barcode kit (optional) <i>see page 14 for details</i>	
Cat. No.:	5005	5005-08

BLOOD PROCESSING CENTRIFUGES

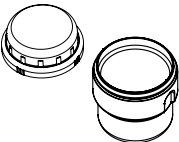

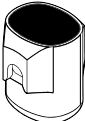






± 90°
n = 4,500 min⁻¹
max. RCF 6,520

illustrated with carriers 4591-A
and inserts 4592-B

In the following tables, the values
for 6-place rotor 4176 have a light
gray background and those for
the 4-place rotor 4176 have a no
background colour.

Swing-out rotor, 6-place, Cat. No. (without carriers) 4176

Blood bags	Triple/Quadruple 450 ml (without filter)		Blood bags	Triple/Quadruple 450 ml (with filter) 500 ml		Single 1,000 ml	
 Lid Cat. No. 5621							
Carrier Cat. No. 4547-B			Carrier Cat. No. 4523-A				
Cat. No.	4548		Cat. No.	4516-A		-	
Blood bag systems per rotor	6	4	Blood bag systems per rotor	6	4	6	4
Max. RCF	6,316	5,501	Max. RCF	6,452	5,637	6,520	5,705
Radius in mm	279	243	Radius in mm	285	249	288	252
Run-up in sec.	125	125	Run-up in sec.	125		125	
Run-down in sec., braked	197	197	Run-down in sec., braked	197		197	
Temperature in °C ¹⁾	+9	-9	Temperature in °C ¹⁾	+9		+3	

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



carrier 4547-B
with insert 4548
and lid 5621



carrier 4523-A
with insert 4516-A



carrier 4546-A
with insert 4559-A



carrier 4524-A
with insert 4592-B



insert 4529-A in 4529-AM
version (hooks for suspending
the blood bags in the middle position)

BLOOD PROCESSING CENTRIFUGES









± 90°
n = 4,500 min⁻¹
max. RCF 5,705

illustrated with carriers 4591-A
and inserts 4592-B

In the following tables, the values
for 6-place rotor 4176 have a light
gray background and those for
the 4-place rotor 4176 have a no
background colour.

Swing-out rotor, 4-place, Cat. No. (without carriers) 4174

Blood bags	Triple/Quadruple 450 ml 500 ml (without filter)		Blood bags	Triple/Quadruple 450 ml (with filter) 500 ml	Single 1,000 ml	Triple/Quadruple 450 ml	Single/Pooled Buffy Coat 50 - 450 ml
							
Carrier Cat. No. 4546-A			Carrier Cat. No. 4524-A				
Cat. No.	4559-A		Cat. No.	4592-B		4598	4529²⁾-AO,-AM,-AU
Blood bag systems per rotor	12	8	Blood bag systems per rotor	12		8	
Max. RCF	6,271	5,479	Max. RCF	6,498		5,683	
Max. RCF ²⁾			Max. RCF ²⁾	1,000		1,000	
Radius in mm	277	242	Radius in mm	287		251	
Run-up in sec.	125	125	Run-up in sec.	125		125	
Run-down in sec., braked	197	197	Run-down in sec., braked	197		197	
Temperature in °C ¹⁾	+13	0	Temperature in °C ¹⁾	+16		+10	

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

²⁾ When using inserts 4529-AO, 4529-AM, 4529-AU at lower speeds (eg. for processing thrombocytes), the blood bags may be hung up to avoid accumulation of erythrocytes. Hooks at three different heights (4529-AO upper position, 4529-AM middle position, 4529-AU low position) allow to meet specific customer requirements. Suspended blood bags, however, may not be exposed to a RCF exceeding 1,000.



Loading station 4509 to stabilize double
inserts during loading process



Hettliner blood bag support system
4564 eliminates pancaking
during centrifugation.



Balancing inserts used to balance
your rotor prior to centrifugation.

- Cat. No. 4584-A (for insert 4559-A)
- Cat. No. 4587-A (for insert 4592-B)
- Cat. No. 4589-A (for insert 4516-A)



Balancing weights 4566 used to
finely balance your rotor prior
to centrifugation.

BLOOD PROCESSING CENTRIFUGES



ROTIXA 500 RS FLOOR-STANDING CENTRIFUGE

POWER IN NUMBERS

The ROTIXA 500 RS is a compact and versatile high-volume blood processing centrifuge. With the capacity to spin up to (4) 1 L blood bags or 192 blood tubes, and the support of convenient accessories such as the new HettLiner insert, the ROTIXA 500 RS is ideal for blood processing laboratories big and small. Its robust and steady temperature control system protects your samples by maintaining a consistent temperature throughout centrifugation. The ergonomic front-facing control panel is lockable and programmable with easy recall of application parameters, ensuring repeatability and limiting programming errors.

- (4) Blood bags (450 - 1,000 ml)
- Up to 192 blood collection tubes
- Robust and steady temp. control system (-20 °C to +40 °C)
- Fully programmable and lockable control panel
- All-metal containment with Safety-Lock
- Complete application packages and custom configurations available



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ROTIXA 500 RS		
Temperature Control:	-20 °C to +40 °C	
Cooling:	Air cooled (for other options see pg. 4)	
Max. Capacity:	4 x 1,000 ml	
Max. RPM:	≤ 10,000 min ⁻¹	
Max. RCF:	≤ 17,441	
Dimensions (HxWxD):	973 x 650 x 814 mm	
Weight:	approx. 219 kg	
Tube Types:	BLOOD BAGS, ALL STANDARD TUBES AND BOTTLES	
Power Supply:	230 – 240 V 1 ~	220 V 1 ~
Frequency	50 Hz	60 Hz
Emission, Immunity:	EN / IEC 61326-1, class B	
Data Documentation System:	HettInfo data documentation system with barcode kit (optional) <i>see page 14 for details</i>	
Cat. No.:	4950	4950-08

BLOOD PROCESSING CENTRIFUGES





± 90°
n = 4,500 min⁻¹
max. RCF 5,252



illustrated with carriers 4293
and inserts 4244-A



illustrated with carriers 4298-A
and inserts 4237-A

Swing-out rotor, 4-place, Cat. No. (without carriers) 4294

Blood bags	Triple/Quadruple 450 ml 500 ml (without filter)
	
Carrier Cat. No. 4293	
Cat. No.	4244-A
Blood bag systems per rotor	4
Max. RCF	5,252
Radius in mm	232
Run-up in sec	115
Run-down in sec., braked	116
Temperature in °C ¹⁾	+2

Blood bags	Triple/Quadruple 450 ml (with filter) 500 ml	Single 750 ml	Single 1,000 ml
			
Carrier Cat. No. 4298-A			
Cat. No.	4237-A	-	
Blood bag systems per rotor	4	4	
Max. RCF	5,003	5,071	
Radius in mm	221	224	
Run-up in sec	115		
Run-down in sec., braked	116		
Temperature in °C ¹⁾	+3		

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



carrier 4293
with insert 4244-A



carrier 4298
with insert 4237-A



Hettliner blood bag support system
4564 eliminates pancaking
during centrifugation.



Balancing weights 4566 used to
finely balance your rotor prior
to centrifugation.

BLOOD PROCESSING CENTRIFUGES



ROTANTA 460 RF FLOOR-STANDING CENTRIFUGE

ROBUST AND VERSATILE

The ROTANTA 460 RF offers a capacity of up to 3 L or 196 blood tubes in a compact floor-standing frame. A raised version of the popular benchtop model, the ROTANTA 460 RF provides an optimal loading height. Its versatile design saves bench space and allows you to move it with ease. A wide range of accessories and robust temperature management system make the ROTANTA 460 RF a versatile and valuable centrifuge for daily use.

- Up to 196 blood collection tubes
- Robust and steady temp. control system (-20 °C to +40 °C)
- Saves bench space and moves with ease
- Fully programmable
- All metal containment with Safety-Lock
- Complete application packages and custom configurations available



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	ROTANTA 460 RF
Temperature Control:	-20 °C to +40 °C
Cooling:	Air cooled (for other options see pg. 4)
Max. Capacity:	4 x 750 ml
Max. RPM:	≤ 15,000 min ⁻¹
Max. RCF:	≤ 24,400
Dimensions (HxWxD):	961 x 554 x 697 mm
Weight:	approx. 164 kg
Tube Types:	ROUND BOTTOM, BLOOD, URINE, CONICAL, SKIRTED, SCREW TOP, BOTTLES, LARGE CONICAL, PLATES, RACKS, BLOOD BAGS, FLASKS, ASTM, SCHLENK
Power Supply:	200 – 240 V 1 ~
Frequency	50 Hz
Emission, Immunity:	EN / IEC 61326-1, class B
Cat. No.:	5675

BLOOD PROCESSING CENTRIFUGES



± 90°
n = 4,600 min⁻¹
max. RCF 5,063

illustrated with carriers 5691-A
and inserts 5692

Swing-out rotor, 4-place, Cat. No. (without carriers) 5699

Blood bags	Triple/Quadruple 450 ml (without filter)
<div>lid with bio-containment²⁾ Cat. No. 4883</div> <div></div> <div>Carrier Cat. No. 4890</div>	<div></div>
Cat. No.	-
Blood bag systems per rotor	4
Max. RCF	5,063
Radius in mm	214
Run-up in sec.	90
Run-down in sec., braked	95
Temperature in °C ¹⁾	+4

Blood bags	Triple 450 ml	Quadruple 450 ml
<div>Holder for systems without filter</div> <div></div> <div>Carrier Cat. No. 5691-A</div>	<div>Holder for systems without filter</div> <div></div>	<div>Holder for systems without filter</div> <div></div>
Cat. No.	5692	
Blood bag systems per rotor	4	
Max. RCF	4.637	
Radius in mm	196	
Run-up in sec.	90	
Run-down in sec., braked	95	
Temperature in °C ¹⁾	+11	

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

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



carrier 5691-A, insert 5692 and
holders 5693 and 5695



ROTANTA 460 R
benchtop centrifuge, cooled
Cat. No. 5660 (see pg. 16)

BLOOD PROCESSING CENTRIFUGES



HETTINFO DATA REPORT SYSTEM

RELIABLE, TRANSPARENT AND FLEXIBLE

HettInfo provides transparent workflow documentation that enables processes to be streamlined and rationalized. The HettInfo data documentation system consists of combinable modules and can be easily adapted to the required number of centrifuges.

Up to 29 centrifuges and 3 external barcode units can be integrated into the network, which is reliable and absolutely immune to disturbances.

The user can log the date, end of the centrifugation run, program number and the temperature, and can select and de-select additional optional parameters. If barcode kits are used, the barcodes of blood bags and users can also be logged. In addition, the result of each run is automatically stored with all logged data. This simplifies any search for incorrect centrifuge runs.

- Data backup mechanisms
- Integrable with other data systems
- Fully programmable



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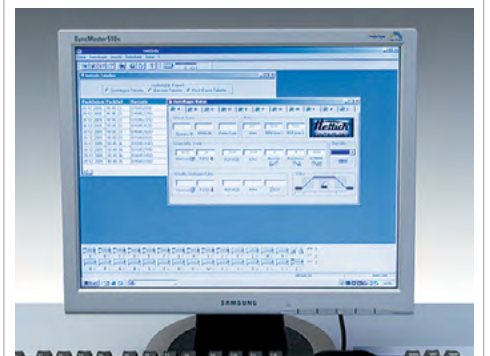
EXTERNAL BARCODE UNIT



BARCODE KIT ROTO SILENTA 630 RS



HETTINFO INTERFACE



Machines can be retrofitted.

BLOOD PROCESSING CENTRIFUGES



ROTOLAVIT AUTOMATIC CELL WASHING SYSTEM

FOR SEROLOGICAL TESTING

The ROTOLAVIT cell washing system facilitates routine tasks in transfusion laboratories. Its fields of application are cross-matching as well as antibody search and differentiation.

12-PLACE ROTOR



Cat. No.: 1017-A

24-PLACE ROTOR



Cat. No: 1018-A

Using the decanting rotor for the EBA 280 can be used for manual cell washing (see pg. 17)



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	ROTOLAVIT (WITHOUT ROTOR)	
Max. Capacity:	24 standard tubes (10 x 75 mm or 12 x 75 mm)	
Max. RPM:	≤ 3,500 min ⁻¹	
Max. RCF:	≤ 1,438	
Radius (both rotors)	105 mm	
Run Time of Individual Washing Cycles	1 sec. - 9 min. : 59 sec.	
Dimensions (HxWxD):	278 x 333 x 420 mm	
Weight:	approx. 24 kg	
Tube Types:	STANDARD TUBES OR 10 x 75 mm OR 12 x 75 mm	
Power Supply:	200 – 240 V 1 ~	100 – 120 V 1 ~
Frequency	50 - 60 Hz	
Consumption:	180 VA	
Emission, Immunity:	EN / IEC 61326-1, class B	FCC class B
Cat. No.:	1006	1006-01

LABORATORY CENTRIFUGES



ROTANTA 460 BENCHTOP CENTRIFUGE

BENCHTOP BENCHMARK

The ROTANTA 460 is a high-performance benchtop centrifuge offering a capacity of up to 3 L or 196 blood tubes to match the workflows of busy laboratories. Additionally the ROTANTA 460 is supported by a wide range of accessories and safety features such as all-metal containment and Safety-Lock. Available with temperature control, the ROTANTA 460 is a powerful, high-throughput benchtop centrifuge ideal for general lab applications.



Centrifuge	Cat. No. (220 V)	Cat. No. (120 V)
ROTANTA 460	5650	5650-01
ROTANTA 460 R	5660	5660-01

BLOOD BAGS (up to 4 x 450 ml)

RPM/RCF: ≤ 4,600/4,637

Part	Cat. No.
Rotor	5699
Carrier	5691-A
Inserts (1 bag)	5692
Holder (system without filter)	5693
Holder (system with filter)	5695

BLOOD TUBES (up to 196)

RPM/RCF: ≤ 3,800/2,906

Part	Cat. No.
Rotor	5654
Carrier	5651-A
Inserts (13 x 75/100 mm)	5674
Inserts (16 x 75/100 mm)	5682
Bio-containment lid	5652

BLOOD TUBES (up to 84)

RPM/RCF: ≤ 4,600/4,471

Part	Cat. No.
Rotor	5699
Carrier	4890
Inserts (13 x 75/100 mm)	4435
Inserts (16 x 75/100/125)	4434
Bio-containment lid	4883

Other configurations are available please inquire for more details.

ROTINA 380 BENCHTOP CENTRIFUGE

SMALL FRAME, FAST MOTOR

The ROTINA 380 is a high capacity, general purpose, benchtop centrifuge with a surprisingly small footprint. Spin up to 64 blood tubes (13 x 75/100) in a 45.72 cm wide body with a robust and steady temperature control system (-20 °C to +40 °C). Its versatility and size make the ROTINA 380 an invaluable addition to any lab. Complete application packages and custom configurations available.



Centrifuge	Cat. No. (220 V)	Cat. No. (120 V)
ROTINA 380	1701	1701-01
ROTINA 380 R	1706	1706-01

BLOOD TUBES (up to 64)

RPM/RCF: ≤ 5,000/4,668

Part	Cat. No.
Rotor	1754
Carrier	1752
Inserts (13 x 75/100 mm)	1783-A
Inserts (16 x 75/100/125 mm)	1763-A
Bio-containment lid	1751

BLOOD TUBES (up to 48)

RPM/RCF: ≤ 4,000/3,095

Part	Cat. No.
Rotor	1798
Carrier	5092
Inserts (13 x 100 mm)	5120
Inserts (16 x 75/100/125 mm)	5136
Bio-containment lid	5093

Other configurations are available please inquire for more details.

LABORATORY CENTRIFUGES



UNIVERSAL 320 BENCHTOP CENTRIFUGE

UNIVERSAL APPEAL


The UNIVERSAL 320 is a versatile, mid-sized workhorse ideal for a diverse range of routine applications. Support of a wide array of rotors and a compact footprint save space on the lab bench by enabling labs to use one powerful unit for several different purposes. The UNIVERSAL 320 has the option of temperature control and includes standard Hettich safety features such as all-metal containment and Safety-Lock. Complete application packages and custom configurations available.



Centrifuge	Cat. No. (220 V)	Cat. No. (120 V)
UNIVERSAL 320	1401	1401-01
UNIVERSAL 320 R	1406	1406-01


BLOOD TUBES (up to 28)

RPM/RCF: ≤ 5,000/3,913

Part	Cat. No.
 Rotor	1494
Carrier	1425
Inserts (13 x 75/100 mm)	1438
Inserts (16 x 75/100 mm)	1441

BLOOD TUBES (up to 28)

RPM/RCF: ≤ 4,500/3,215

Part	Cat. No.
 Rotor	1554
Carrier	1560
Inserts (13 x 75/100 mm)	1589
Inserts (16 x 75/100 mm)	1588
Bio-containment lid	1561

Other configurations are available please inquire for more details.

EBA 280 TABLETOP CENTRIFUGE

SEPARATING OURSELVES 90° FROM THE COMPETITION


The EBA 280 is a high-performance, compact tabletop centrifuge with a 90° swing-out rotor for flat separation of all standard blood, urine and pediatric tubes. Achieve consistent platelet counts in minutes at up to 5,000 RCF. Featuring Hettich's ergonomic Quick-Lift rotor system that provides effortless sample management and installation of centrifuge rotor. Programmable with memory control system. Complete application packages and custom configurations available.



Centrifuge	Cat. No. (220 V)	Cat. No. (120 V)
EBA 280	1101	1101-01
EBA 280 S	1102	1102-01


BLOOD TUBES (up to 6)

RPM/RCF: ≤ 4,669/5,071*

Part	Cat. No.
 Rotor	1146
Carrier	1147-6
Inserts (13 x 75 mm)	1053-6
Inserts (16 x 75 mm)	0767-6
*(max. RPM/RCF for the EBA 280 S)	


BLOOD TUBES (up to 12)

RPM/RCF: ≤ 5,000/2,963

Part	Cat. No.
 Rotor	1142
Inserts	1127-A

BLOOD TUBES (up to 12)

RPM/RCF: ≤ 5,000/2,879

Part	Cat. No.
 Rotor	1133
Note: Rotor can be used for manual cell washing	

Other configurations are available please inquire for more details.

LABORATORY CENTRIFUGES



EBA 270 TABLETOP CENTRIFUGE

SIMPLE, COMPACT AND COMPLETE


The EBA 270 is a horizontal clinical tabletop centrifuge with 6-place 90° built-in, swing-out rotor for flat separation of all standard blood, gel, urine and pediatric tubes. With its 6-place rotor and pulse key for short centrifugation, the EBA 270 is ideal for physicians' and veterinary offices.



Centrifuge	Cat. No. (220 V)	Cat. No. (120 V)
EBA 270	2300	2300-01

BLOOD TUBES (up to 6)

RPM/RCF: ≤ 4,000/1,359

	Part	Cat. No.
	Rotor (built-in)	-
	Inserts (13 x 75/100 mm)	2333
	Inserts (16 x 75/100 mm)	2331

Other configurations are available please inquire for more details.

EBA 200 BENCHTOP CENTRIFUGE

PRESS 'START' IN CASE OF EMERGENCY


High-performance with built-in 8-place angle rotor, the EBA 200 can spin up to 8 blood tubes (13 and 16 mm tubes) in a compact frame with all-metal containment. Ideal for blood, urine and pediatric tubes, the higher-performance EBA 200 S model obtains consistent platelet counts in minutes.



Centrifuge	Cat. No. (220 V)	Cat. No. (120 V)
EBA 200	1800	1800-01
EBA 200 S	1802	1802-01


BLOOD TUBES (up to 8)

RPM/RCF: ≤ 8,000/6,153*

	Part	Cat. No.
	Rotor (built-in)	-
	Inserts (13 x 75 mm)	1059*
	Inserts (13 x 100 mm)	1058
*(applies to EBA 200 S, inquire about EBA 200 model)		

PEDIATRIC TUBES (up to 8)

RPM/RCF: ≤ 8,000/3,935*

	Part	Cat. No.
	Rotor (built-in)	-
	Inserts	1063
*(applies to EBA 200 S, inquire about EBA 200 model)		

Other configurations are available please inquire for more details.

LABORATORY CENTRIFUGES



HAEMATOKRIT 200 BENCHTOP CENTRIFUGE

SEVEN MINUTES OF SEPARATION


Spin 24 capillaries for hematology or 20 capillaries for buffy coat analysis in a compact frame with all-metal containment. Rotor lid doubles as an evaluation disc allowing you to determine hematocrit values without having to remove the capillaries and risk disturbing the sedimentation. Achieve max packing density of cells within seven minutes. Ideal for hematology, sports medicine, and neonatology. Complete application packages available.



Centrifuge	Cat. No. (220 V)	Cat. No. (120 V)
HAEMATOKRIT 200	1801	1801-01


CAPILLARIES (up to 24)

RPM/RCF: ≤ 13,000/16,060

	Part	Cat. No.
	Rotor	2076
	Lid (can be used as evaluation disc)	incl.
	Sealing putty	2077

CAPILLARIES (up to 20)

RPM/RCF: ≤ 13,000/16,060

	Part	Cat. No.
	Rotor	2056
	Lid	incl.

Other configurations are available please inquire for more details.



FULLY CERTIFIED

Engineered and manufactured in accordance with all relevant quality management systems.



Under Rule 3 in the Classification section of Annex IX to the EU Directive 93/42/EEC, centrifuges used for the manufacture of blood products for transfusion purposes require approval as Class IIa medical products. Hettich holds this approval for the ROTO SILENTA 630 RS, ROTIXA 500 RS and ROTANTA 460 line of centrifuges, as shown by a declaration of conformity in accordance with Annex V to Directive 93/42/EEC.



QUALITY & SAFETY

IvD stands for In-vitro Diagnostics. Hettich centrifuges conform to IvD standards, i.e. they comply with the European IvD guideline's requirements (98/79/EC) and guarantee a standardised level of quality and safety. Please see §15 "Data Storage" of our General Terms and Conditions regarding the traceability of Hettich products.



NON-POLLUTING WASTE DISPOSAL

Since 1.1.2006, Hettich has been registered in Germany under **WEEE Reg. No. DE 92954423** with the Elektro-Altgeräte Register¹⁾ - Foundation for the implementation of the 2002/96/EC directive (ElektroG²⁾), regarding the disposal of electrical and electronic equipment in the EU. With the symbol of the crossed-out bin, it is made clear that centrifuges may not be disposed of with household waste. The disposal regulations in the individual EU countries can vary. Please ask your supplier, if necessary. In this context, we refer to § 14 "Acceptance of returns / obligation to dispose of the goods" of the General Terms and Conditions.

¹⁾ Register of old electronic equipment

²⁾ Electrical and Electronic Equipment Act



LAB TECHNOLOGY

Phone +49 (0)7461 / 705 -0
Fax +49 (0)7461 / 705 -1122

National Sales:	-1200
International Sales:	-1201
National Service:	-1202
International Service:	-1203

Andreas Hettich GmbH & Co. KG
Föhrenstr. 12
D - 78532 Tuttlingen
Germany

www.hettichlab.com
info@hettichlab.com
service@hettichlab.com