



QUALITY YOU CAN RELY ON

Equipment that is built to last

- Products engineered and manufactured in Germany
- Low overall cost of ownership due to the product's long lifespan
- Parts, service and care for the lifetime of your product
- Real customer support when you need it most
- Family-owned, knowledgeable and customer oriented since 1904

Hettich products are used on all seven continents and even outer space onboard the International Space Station.





QUALITY CONSTRUCTION FOR LONG TERM RELIABILITY

With durable materials and German engineering, Hettich centrifuges deliver reliable results spin after spin. An average performance life of over 10 years, low repair rates and reduced downtimes allow for the maximum use of this high-quality equipment.

SPARE PARTS AVAILABILITY FOR YEARS TO COME

Parts and service are available for 10 years, even after a specific model has been discontinued. This support, in addition to the product's long service life, allows numerous years of operation and reduces the cost of ownership significantly.

FULLY TESTED AND CERTIFIED FOR SAFETY

Hettich products are engineered and manufactured in accordance with all current safety standards, including TÜV certification, and for the most products, Medical Device or IvD registration. Users can depend on a device that meets the highest safety standards in the industry.

Every Hettich product is tested and validated at the factory. Validation and certificates are available by request and without additional cost.





CERTIFICATES / REGISTRATIONS

Hettich products are distinguished by the highest quality and the most modern technology. Centrifuges and accessories are developed in collaboration with users from the fields of medicine, chemistry, research and industry, and they are always adapted to the latest requirements, in a continuous process. Hettich centrifuges comply with all relevant EU standards in effect. All stages from design to end-product are continuously subjected to the strictest controls. Evidence is provided by national and international test marks such as IEC 61010 or the CE conformity. The ISO 9001, ISO 13485 and ISO 14001 certificates accredited to the company bear witness to the extreme care and responsibility Hettich puts into the manufacturing of centrifuges and their accessories. This is why Hettich centrifuges are known for safety and reliability all over the world.









CB and NRTL certificates for our products on request.



We are an Authorised Economic Operator, which means you can expect expeditious customs clearance.

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.



Under Rule 3 in the Classification section of Annex II 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.



General lab equipment

NON-POLLUTING WASTE DISPOSAL



Since 1.1.2006, Hettich has been registered in Germany under WEEE Reg. No. DE 92954423 with the Elektro-Altgeraete Register1) - Foundation for the implementation of the 2012/19/EC directive 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.

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SMALL CENTRIFUGES

Compact footprint saves bench space

Hettich's small tabletop centrifuges require minimal bench space and are easy to reposition within your lab.

Fast and multifunctional, performance when you need it

These versatile centrifuges are ideal for low sample volume and offer quick turnaround for time sensitive samples. Both built-in and exchangeable rotors are available for multiple applications. Their speed, versatility and cost make them a valuable asset to any laboratory.



MANUAL CENTRIFUGE

Operate independently anywhere

The adaptable manual centrifuge can be simply clamped to any benchtop, with no need for electricity. Its self-lubricating drive system makes it virtually maintenance-free.



EBA 200 / EBA 200 S

Top performance for small laboratories

The EBA 200 and 200 S are practical, compact centrifuges for small sample sizes. The high speed S model can deliver reliable results in 3 minutes or less.

Included an 8-place fixed angle rotor to hold standard blood and urine tubes up to 15 ml in capacity.





EBA 270

Superior separation results in medical applications

The EBA 270 is a small centrifuge with a swing-out rotor that has been developed specifically for use in clinical settings. It can centrifuge the blood tubes and urine tubes up 15 ml in volume at a maximum speed of 4,000 RPM / 2,254 RCF. Its 90° rotor is ideally suited for spinning blood tubes containing a separating gel.



EBA 280 / EBA 280 S

Simple rotor change for greater versatility

The EBA 280 and 280 S offer exceptional user comfort and a choice of 6 rotors. The rotor can be removed and replaced easily thanks to the quick release system. The rotor locks in place and remains secure without the use of tools or extra effort. The backlit digital control panel offers the opportunity to save multiple program settings.





HAEMATOKRIT 200

Hematocrit determination in just 7 minutes

The HAEMATOKRIT 200 is a fast and efficient centrifuge for determining hematocrit count. It runs at 13,000 RPM and accommodates up to 24 capillary tubes to a maximum RCF of 16,060.

Results can be clearly viewed with the integrated Haematocrit reader in the rotor lid.







MICROLITER CENTRIFUGES

Better results and more samples in less time

Speed rates up to 18,000 RPM with RCF up to 31,540 accommodate a high number of samples to increase efficiency and throughput in your lab.

Wide range of capabilities

A variety of models and accessories support microliter tube quantities from 12 to 60 per run. Bio-containment and phenol-resistant lids for the safe centrifugation of hazardous samples are available.

Pre-cooling function for fast operation

Reliable and steady temperature control systems with quick pre-cool and stand-by functions come with precise temperature control. This is ideally suited for temperature sensitive samples in molecular biology and other R&D applications.



MIKRO 185

Small footprint with unmatched capacity

The MIKRO 185 accommodates 12, 18 or 24 samples and is suitable for a wide range of tasks, thanks to a maximum RCF of 18,845 and a choice of four rotors. Spin column kits (minipreps) can also be used thanks to the special design of the 1213 rotor.



MIKRO 200

Faster results in molecular biology

The MIKRO 200 are amongst the highest-speed microlitre centrifuges in their class. Rotors are designed to spin microliter, PCR and Cryo tubes. MIKRO 200 achieves a maximum RCF of 21,382 with up to 30 tubes, enabling rapid processing of samples and optimal separation, at low noise levels of 53 dB(A).





MIKRO 220

Fast and flexible

The MIKRO 220 spins at an unmatched speed of 18,000 RPM and delivers an RCF of 31,514 in just 26 seconds. Ultimate flexibility is provided by a choice of 13 different rotors from 0.2 ml microliter tubes to 50 ml conical tubes, allowing for numerous research applications on a single machine.







BENCHTOP CENTRIFUGES

Long-term solutions for your evolving laboratory

Hettich manufactures an extensive range of general purpose benchtop centrifuges for nearly any standard laboratory application. We offer long-term solutions for your evolving laboratory.

Specialty applications, capability beyond the bench

Specialty accessories expand our capability beyond the standard clinical laboratory setting into agriculture, food and beverage, petrochemical and more. Various temperature control options are available.

Diverse range of accessories for multiple applications

Versatile rotors accommodate multiple applications - saving you from purchasing additional hardware. A vast range of accessories ensure capacity and specification needs are met. Optional bio-containment and phenol-resistant lids for safe centrifugation of hazardous samples are available. Moveable cabinets extend your bench space to provide extra storage and centrifuge portability.



ROTOFIX 32 A

Rugged and indispensable

For decades, the ROTOFIX 32 A has set the standard in daily lab routine thanks to its versatility and solid construction. The benchtop centrifuge spins sample volumes up to 6×94 ml, 40 blood collection tubes or 8×50 ml conical tubes with a simple user interface.

Hettich's cytology rotors are compatible with most existing funnel/slide systems and have bio-containment lids.



UNIVERSAL 320

A universal choice

The UNIVERSAL 320 is a compact, versatile and indispensable general purpose centrifuge. Excellent performance and a comprehensive range of accessories enable the UNIVERSAL 320 to carry out virtually any centrifuging tasks including plates, blood tubes, cell culture, microliter and cytology.





ROTINA 380

High speed with space saving design

High performance unit supporting a wide array of accessories for multiple applications in just one rotor. Its size and performance make it the ideal bench top centrifuge for most clinical, reaearch and industrial laboratories.



ROTINA 420

Many solutions - one rotor

This compact benchtop centrifuge has been developed for large sample volumes. It has a maximum capacity of 4×600 ml bottles, 140 blood tubes, 16 microtiter plates or 52×15 ml conical tubes, all on a single cost-effective rotor.





ROTANTA 460

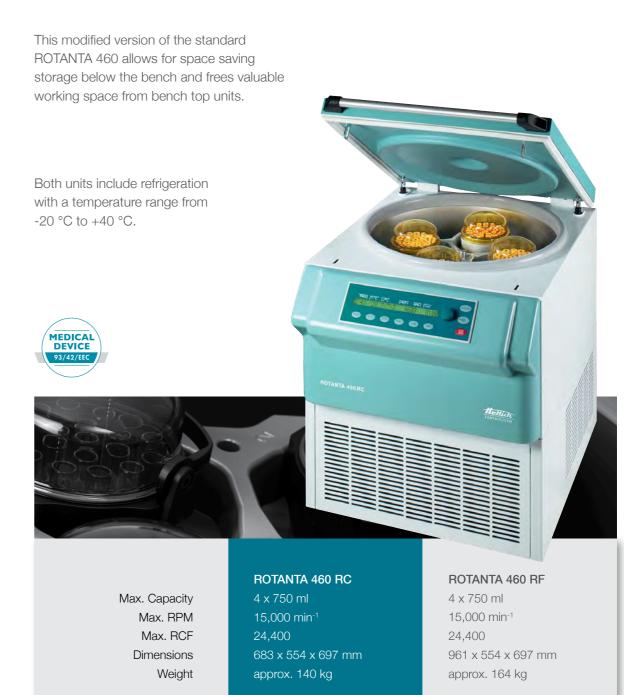
Superior benchtop for multi-purpose use

This powerful unit is capable of virtually any application you choose. It is able to spin high sample volumes of blood tubes, conical tubes, plates and bottles. Speciality buckets are able to accommodate 450 ml blood bags.



ROTANTA 460 RC / 460 RF

The capability of a benchtop without the footprint



ROTOFIX 46

Robust industrial unit

These are ideal centrifuges for research and industrial laboratories. They are robust and can withstand intensive usage, even in the field. Specialty buckets are able to hold ASTM pear-shaped and conical tubes for petroleum testing.





30 31



FLOORSTANDING CENTRIFUGES

Functional Design for ease of use

The efficient motor and easy to use design eliminates the need for a windshield. This allows unimpeded access for easy loading, unloading and cleaning. Versatile rotors accommodate multiple applications eliminating the need to change rotors or move to another centrifuge.

Optimal conditions for better results

Robust temperature control system offers accurate and reliable results. Without a windshield, air moves freely throughout the chamber for greater temperature consistency. Dual sensors provide "at-sample" temperature readings for greater accuracy. Save time with quick pre-cool and stand-by cooling functions.

Proven technology for ultimate dependability

Hettich floor standing centrifuges are built to last, have proven their performance by thousands of units installed worldwide. They are a standard piece of equipment in blood banks worldwide and perform 24 hours a day, 7 days a week over many years for consistent and reliable results.



ROTIXA 500 RS

Weight

Small footprint - high volumes



approx. 219 kg

ROTO SILENTA 630 RS

First choice for volumes up to 12 Liters





BEST CONDITIONS FOR YOUR LAB

(1) Application knowledge

Hettich offers accessories for all blood bag manufacturers, volumes and applications. Accessories to support smaller blood bags or blood component bags are available.

(2) Silent

The ROTO SILENTA 630RS lives up to its name it has a maximum noise rating of 62db(A) even when running at full speed and cooling. At lower speeds and temperature settings, the centrifuge is even quieter.

(3) Hygienic chamber

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

(4) User Focused

Hettich works closely with end users to develop new products based on their laboratory's needs. We incorporate customer feedback to help users achieve the best practices in the transfusion lab.

(5) Ergonomic

With a working height of 91 cm the centrifuge is easy to load and unload. The opening and closing of the lid is aided by gas springs which eliminate most of the effort required to open the centrifuge lid. With the ergonomic handle located the front of the unit, it is easy to close the lid manually. The motorized lid locking systems will ensure safe and easy locking.

BEST CONDITIONS FOR YOUR BUDGET

(1) Versatile

In the ROTO SILENTA 630 RS it is possible to use with 2 rotors between 4, 6, 8 or 12 buckets. There is no need to purchase a new centrifuge if your demand increases or reduces. The Double and Single buckets are available for the same rotor.

(2) Solid construction

The robust design and high grade materials we use ensure a long life time and less cost of ownership.

(3) Time saving

The Pre-cooling time to 4 °C can be done in under 30 Minutes which reduces the electricity cost and operation time.

(4) Long lifecycle

The 4524-A bucket is rated for 15,000 cycles at full speed to 40.000 cycles at 3,500 RPM. This can reduce the need the purchase a complete bucket set during the lifetime of the machine. The inserts are made of high-quality materials and are expected to last the lifetime of the machine.

(5) Save engergy

The unique Hettich cooling system reduces the need of cooling during standard operation. With the recommended Buffy Coat application settings at 4.000 RCF the centrifuge will need less than 0,60 kw/h power, during operation at 20-22 °C.





BEST CONDITIONS FOR YOUR SAMPLES

(1) "Even-Flow" circulation

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

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

2 Dual temperature sensors in the chamber

Dual temperature sensors in the chamber provide greater temperature control and more accurate "at sample" temperatures. A total of 4 temperature sensors control the compliance of temperature.

(3) Consistent results

The powerful motor is able to consistently produce the same amounts of centrifugal force regardless of sample size or quantity. The difference between spinning 1 or 12 blood bags per conditions is less than 1%. The same separation run can be repeated day after day.

(4) Uniform braking

A variety of 18 pre-stored braking setting (with brake-free option,) adjustable timing, and linking options ensures flexibility to the application needs and workflow of the lab.

(5) Enhanced safety

The auto-locking and secure lid sits inside the bowl, forming a tight seal and fully enclosing the chamber. The centrifuge settings can be saved and locked using the included key. The unit's medical device registration includes active product updates to keep the end user safe.





CELL WASHER

Increased efficiency and versatility

The 7-inch touch screen control panel is intuitive and easy to read. Audio and visual signals provide updates throughout the entire cell-washing process. The control panel can also be password protected for added security in the lab.

Automated cleaning program

Using the pre-programmed wash setting, the ROTOLAVIT II will automatically clean the chamber, inlet and outlet, eliminating the need to do manual cleaning.

Advantages over conventional cell washing systems

Consistent reproducible results

An electronic flow meter provides precise saline fills versus traditional flow timers.

Digital calibration provides easy and accurate control of saline volumes while eliminating time consuming and cumbersome manual calibration.

Time saving performance

Increase productivity and turnaround times with faster wash cycles. Save 14 seconds per cycle, one minute per wash and one hour per 60 washes.



ROTOLAVIT II

User friendly serology solutions

Automatic cell washing system for serological testing.

The ROTOLAVIT II cell washing system facilitates routine tasks in transfusion centre laboratories. It was developed for cross-matching, as well as antibody search and differentiation, and for cell washing in TB tests.

Its modern touch screen enables the simple and rapid input of up to 20 different programs. The centrifuge has a small footprint and delivers reliable results at low costs for consumables.



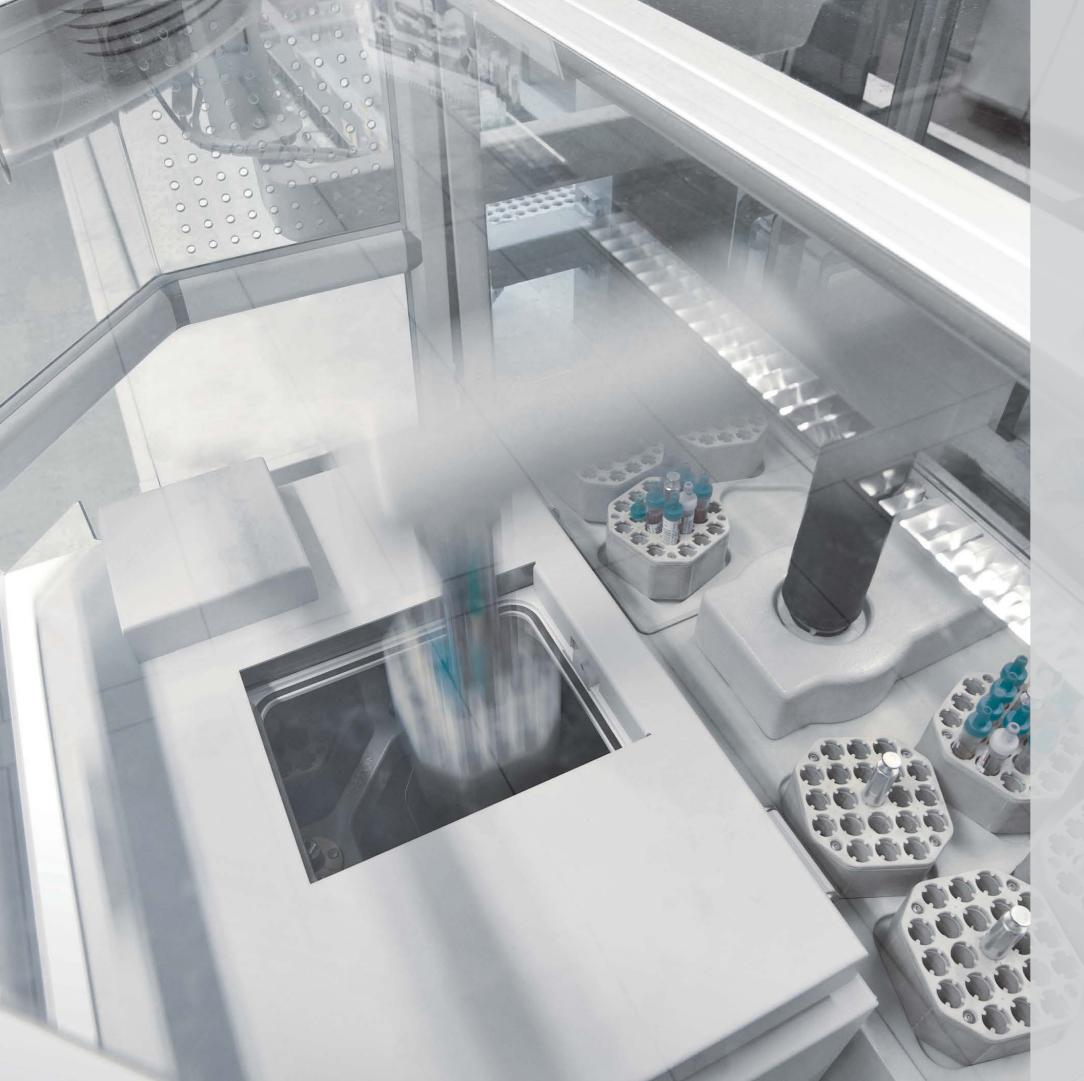
ROLLING CABINETS

Make your centrifuge mobile

All rolling cabinets are of sturdy design and feature lockable castors and drawers locks.

Any vibrations from the centrifuges are safely dampened.





AUTOMATED CENTRIFUGES

We are the worldwide leader in automated centrifuges

Since the introduction of the first robotically integrated centrifuges over 25 years ago, Hettich is setting the benchmark in centrifuge automation technology.

We have successfully integrated in most of today's laboratory automation systems and are recognized globally for the quality, precision and safety of our units. We currently offer three different automation-friendly models – each designed for reliable performance in high-use automation settings.



HettCube INCUBATORS

Space-saving design increases capacity

HettCube incubators provide stable temperature uniformity allowing up to 30 % more validated usable space than a traditional incubator with the same internal volume. In addition, the HettCube's upright design requires up to 50 % less floor space than a traditional incubator with similar capacity.

Optimal growth conditions

HettCube incubators combine the advantages of natural and forced convection to provide a stable and uniform environment for cultures. This yields optimum growth conditions and considerably reduces the potential of samples drying out.

Low energy consumption

At an operating temperature of 37 °C a HettCube incubator consumes, up to 75 % less power than similar sized incubators.



ALLOWS FOR EFFORTLESS SAMPLE MANAGEMENT

In addition to the inner chamber, the telescoping shelves, part of the Hettich Tray System (HTS) are made of high-quality, autoclavable stainless steel, making them easy to clean. The optional Hettich Tray System features telescopic rails that extend up to 70 % of its depth for unimpeded access to your samples.

The front mounted control panel is simple and easy to use and features both audio and visual alarms.

HettCubes need one door only. This allows effortless access to the chamber with just one hand.

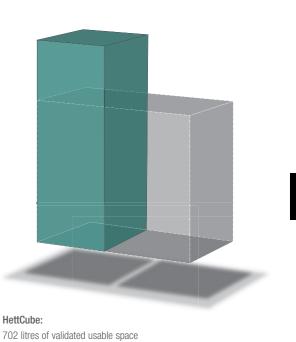
HettCube incubators are available with an optional glass door.



MAXIMUM USABLE SPACE WITH THE **SMALLEST FOOTPRINT**

Almost TWICE as much validated usable volume on the same footprint, since two HettCube units fit into a space that is only slightly greater than that occupied by a single unit of a competitor.

HettCube	Other Incubators		
Gentle air flow + High-performance insulation + Small footprint =	Strong air flow + Bulky insulation + Large footprint =		
Maximum loading capacity + cost savings per m² laboratory space	Low loading capacity + higher costs per m² laboratory space		



Incubator of a competitor: 360 litres of validated usable space

QUIET OPERATION

Our incubators are quieter than normal conversation when running, and will not increase the noise levels within your lab. A HettCube incubator has a remarkably low noise output of \leq 44 dB(A).



PROCESS RELIABILITY

Optimal conditions for cultures

HettCube incubators combine the advantages of natural and forced convection to provide a stable and uniform environment for cultures. The fan is housed outside of usable space, providing higher throughputs and limiting airflow inside the incubator. Temperature is primarily maintained by radiated heat to ensure even temperature distribution and to prevent hotspots. This yields optimum growth conditions and considerably reduces the potential of samples drying out.

The advanced control system and insulation mean that the incubator will maintain a set temperature even if there is only a difference of 1 K (°C) from the ambient temperature. This allows an uncooled HettCube incubator to be used in situations in which a comparable incubator would require cooling.



MINIMAL OPERATING COSTS

With very low environmental impact

At an operating temperature of 37 °C a HettCube incubator consumes less than 0.05 kWh. A HettCube incubator brings average savings of up to 450 Euros per annum*.

Therefore Investment costs recouped within shorter time.

The use of a HettCube incubator saves on average up to 940 kg of CO₂ emissions per annum*.

HettCube 200

Efficient use of valuable space

Incubators and cooled Incubators

Environmentally friendly, economical and well designed. The HettCube Range of incubators will benefit both your balance sheet and the environment, as well as providing optimum growth conditions for your cultures. The HettCube 200 is ideal for all clinical lab applications.

This unit is available with refrigeration and a temperature range from 0 °C to +65 °C (HettCube 200 R).



*Assuming 24h operation 365 days a year. The basis for calculation is € 0.29 per kWh – the average price of electricity in Germany in 2016 (see www.strompreise.de) and 0.6 kg CO₂ per kWh (see www.prima-klima-weltweit.de).



HettCube 400

Efficient use of valuable space

With its volume and wide range of accessories the HettCube 400 is well suited for all pharmaceutical, research and industrial applications.



HettCube 600

Efficient use of valuable space

The most popular model in the HettCube range.

Building on the base of the HettCube 400 the HettCube 600 is a lager version with 152 liters of additional validated usuable space than the HettCube 400. This model is capable of holding up to 1,500 petri dishes.





ACCESSORIES OVERVIEW

The following pages provide a quick overview of the main rotors for each centrifuge model, as well as a selection of the applicable accessories.

In addition to the maximum speed (Max. RPM) the highest relative centrifugal force (Max. RCF) of each rotor, the maximum capacity of each tube size/type is also listed.

ROTOR EBA 200 / EBA 200 S

Rotor			
EBA		200	200 S
Rotor places		}	3
Max. RPM		6,000	8,000
Max. RCF		3,461	6,153
	Volume	0.5	ml
U	Quantity	3	3
	Volume	15	ml
J	Quantity	3	3
	Volume	4.5-1	10 ml
1	Quantity	3	3
ı	Volume	1.6-	7 ml
J	Quantity	3	3
	Volume	15	ml
E V	Quantity	4	1

ROTOR EBA 270

Rotor		
EBA		270
Rotor places		6
Max. RPM		4,000
Max. RCF	2,254	
8	Volume	0,5 ml
U	Quantity	6
	Volume	15 ml
j	Quantity	6
	Volume	1.1-10 ml
1	Quantity	6
•	Volume	1.6-10 ml
J	Quantity	6
J	Quantity	6

Mettich

ROTORS

EBA 280 / 280 S

Rotor					Ç [®] Ş		
EBA		280	280 S		280)/S	
Rotor pla	aces	(3	12	12	6	12
Max. RP	M	4,700	6,000	5,000	5,000	6,000	6,000
Max. RC	F	3,112	5,071	2,963	2,879	4,025	4,146
8	Volume	0.5	i ml	-	-	-	0.5 ml
U	Quantity	(6	-	-	-	12
	Volume	15 ml		5 ml	5-7 ml	15 ml	15 ml
J	Quantity	(5	12	12	6	12
	Volume	4.5-	10 ml	2.6-3 ml	-	9-10 ml	4.5-10 ml
	Quantity	(6	12	-	6	12
1	Volume	1.6-	5 ml	1.6-5 ml	-	1.6-7 ml	1.6-10 ml
J	Quantity	(6	12	-	6	12
	Volume		-	-	-	15/50 ml	15 ml
	Quantity		-	-	-	6/3	6

ROTORS HAEMATOKRIT 200

Rotor			9
Rotor place	es	24	20
Max. RPM	I	13,000	13,000
Max. RCF		16,060	16,060
	Quantity	24	20

Tettich

ROTORS MIKRO 185

Rotor		9			
Bio-conta	inment	inclusive	-	-	on request
Rotor place	ces	24	12	18	18
Max. RPM	1	14,000	14,000 14,000		14,000
Max. RCF	:	18,845	15,558 16,654		16,654
	Volume	0.2-2.0 ml	0.2-2.0 ml	0.2-2.0 ml	0.2-2.0 ml
A	Quantity	24	12	18	18
9	Volume	0.5 ml	0.5 ml	0.5 ml	-
U	Quantity	12	12	9	-
0	Volume	-	-	-	1.5-2.0 ml
8	Quantity	-	-	-	18

Table contains specifications for the most common rotors available per model. For additional configurations contact your local Hettich representative.

ROTORS

MIKRO 200 / 200 R

Rotor		9	9		0	(9)
Bio-conta lid	inment	on request	on request	inclusive	on request	on request
Rotor plac	ces	24	30	24	20	4
Max. RPM	1	15,000	15,000	15,000	15,000	15,000
Max. RCF		21,382	20,627	21,382	21,130	14,338
@ 	Volume	0.2-2.0 ml	0.2-2.0 ml	0.2-2.0 ml	-	0.2 ml
A	Quantity	24	30	24	-	32
8	Volume	0.5 ml	0.5 ml	0.5 ml	-	-
U	Quantity	12	15	12	-	-
0	Volume	-	-	1.5/2.0 ml	-	-
8	Quantity	-	-	24	-	-
	Volume	-	-	-	1.8	-
U "J	Quantity	-	-	-	20	-
	Volume	-	-	-	-	0.2
£	Quantity	-	-	-	-	4x8

ROTORS

MIKRO 220 / 220 R

Rotor		9		9		
Bio-conta	ainment	inclusive	inclusive	inclusive	inclusive	-
Rotor pla	ices	24	30	48	24	6
Max. RPI	VI	18,000	14,000	14,000	13,000	6,000
	Max. RCF (outer/inner)		21,255	21,255/18,845	18,516	4,025
Ĵ	Volume	0.2-2.0 ml	0.2-2.0 ml	0.2-2.0 ml	0.2-2.0 ml	-
A	Quantity	24	30	48	24	-
8	Volume	0.5 ml	0.5 ml	-	-	-
U	Quantity	12	15	-	-	-
0	Volume	-	1.5/2.0 ml	-	-	-
8	Quantity	-	24	-	-	-
	Volume	-	-	-	-	30/50 ml
	Quantity	-	-	-	-	6
	Volume	-	-	-	-	15/50 ml
111111111111111111111111111111111111111	Quantity	-	-	-	-	6

Table contains specifications for the most common rotors available per model. For additional configurations contact your local Hettich representative.

ROTORS ROTOFIX 32 A

Rotor							
Bio-conta	ainment	on request	on request	-	-	-	inclusive
Rotor pla	ces	4	4	8	8	6	12
Max. RPI	M	4,000	4,000	4,000	4,000	6,000	2,000
Max. RCI	=	2,665	2,630	2,415	2,469	4,226	438
Ĵ	Volume	1.5/2.0 ml	0.2-2.0 ml	0.2-2.0 ml	-	1.5/2.0 ml	-
	Quantity	36	24	48	-	24	-
	Volume	100 ml	100 ml	5-10 ml	-	94 ml	-
J	Quantity	4	4	8	-	6	-
	Volume	2.6-10 ml	2.5-10 ml	2.6-8.5 ml	-	7.5-10 ml	-
#	Quantity	20/16	20/16	8	-	6	-
ī	Volume	1.6-10 ml	1.6-10 ml	1.6-10 ml	-	8.5-10 ml	-
J	Quantity	28/16	20/16	8	-	6	-
	Volume	15/50 ml	15/50 ml	-	15/50 ml	15/50 ml	-
<u> </u>	Quantity	4	12/4	-	8	6	-
M	Volume	-	-	-	-	-	0.5-6 ml
	Quantity	-	-	-	-	-	12

ROTORS

UNIVERSAL 320 / 320 R

Rotor						
Bio-cont	ainment	on request	on request	-	inclusive	-
Rotor pla	aces	4	4	2	30	6
Max. RPI	М	4,500	4,500	4,000	14,000	9,000
Max. RC	F	3,328	3,328	2,218	21,255	9,509
	Volume	1.5/2.0 ml	0.2-2.0 ml	-	1.5/2.0 ml	1.5/2.0 ml
A	Quantity	56	20	-	30	24
	Volume	100 ml	100 ml	-	-	15/94 ml
IJ	Quantity	4	4	-	-	6
	Volume	1.1-10 ml	2.6-5 ml	-	-	7.5-10 ml
Ī	Quantity	28/20	20	-	-	6
Ī	Volume	1.6-10 ml	1.6-10 ml	-	-	8.5-10 ml
U	Quantity	28/20	20/16	-	-	6
	Volume	15/50 ml	15/50 ml	-	-	15/50 ml
	Quantity	8	16/4	-	-	6/3
	Volume	-	-	MTP	-	-
	Quantity	-	-	8	-	-
	Volume	-	-	0.2 ml	-	-
	Quantity	-	-	24x8	-	-

Table contains specifications for the most common rotors available per model. For additional configurations contact your local Hettich representative.

ROTORS

ROTINA 380 / 380 R

Rotor							
Model			380/R		380	380 R	380/R
Bio-conta	ainment	on request	on request	on request	inclu	ısive	inclusive
Rotor pla	ices	4	4	2	6	3	30
Max. RPI	М	5,000	4,000	5,100	10,000	11,000	15,000
Max. RC	F	4,863	3,095	3,926	13,640	16,504	24,400
Ĵ	Volume	1.5/2.0 ml	1.5/2.0 ml	-	0.2-2	.0 ml	0.2-2.0 ml
A	Quantity	144	160	-	24		30
П	Volume	250 ml	250 ml	-	94	ml	-
J	Quantity	4	4	-	6		-
	Volume	7.5-10 ml	1.1-10 ml	-	7.5-10 ml		-
₩	Quantity	52	80/48	-	6	3	-
П	Volume	1.6-10 ml	1.6-10 ml	-	8.5-1	0 ml	-
J	Quantity	64/52	48	-	6	3	-
	Volume	15/50 ml	15/50 ml	-	15/5	0 ml	-
	Quantity	36/16	28/16	-	(3	-
	Volume	290 ml	290 ml	-	-	-	-
	Quantity	4	4	-	-		-
	Volume	-	-	MTP	-	-	-
	Quantity	-	-	10	-	-	-

ROTORS

ROTINA 420 / 420 R

Rotor						
Bio-cont	ainment	on request	on request	inclusive	-	inclusive
Rotor pla	aces	4	4	6	4	30
Max. RP	M	4,800	4,000	11,000	9,500	15,000
Max. RC	F	4,740	3,095	16,504	12,007	24,400
	Volume	1.5/2.0 ml	1.5/2.0 ml	1.5/2.0 ml	-	0.2-2.0 ml
A	Quantity	96	160	24	-	30
	Volume	250 ml	250 ml	94 ml	94 ml	-
J	Quantity	4	4	6	4	-
	Volume	1.1-10 ml	1.1-10 ml	7.5-10 ml	-	-
#	Quantity	104/140	80/44	6	-	-
Ī	Volume	1.6-10 ml	1.6-10 ml	8.5-10 ml	-	-
J	Quantity	104/72	48	6	-	-
	Volume	15/50 ml	15/50 ml	15/50 ml	-	-
	Quantity	52/20	28/8	6	-	-
	Volume	600 ml	-	-	250 ml	-
	Quantity	4	-	-	4	-
	Volume	MTP	-	-	-	-
	Quantity	16	-	-	-	-

Table contains specifications for the most common rotors available per model. For additional configurations contact your local Hettich representative.

ROTORS

ROTANTA 460 / 460 R / 460 RC / RF

Rotor							
Cooling		with/w	vithout	without with		with/without	
Bio-containment lid		on request	on request	on request		inclusive	inclusive
Rotor places		4	4	2		30	6
Max. RPI	Max. RPM		3,800	5,900	6,200	15,000	11,500
Max. RCI	=	5,063	3,196	5,838	6,446	24,400	18,038
Ĵ	Volume	1.5/2.0 ml	-	-		0.2-2.0 ml	0.2-2.0 ml
A	Quantity	224	-	-		30	24
	Volume	250 ml	10 ml	-		-	94 ml
	Quantity	4	196	-		-	6
	Volume	1.1-10 ml	1.1-10 ml	-		-	7.5-10 ml
	Quantity	120/80	292/148	-	-	-	6
ī	Volume	1.6-10 ml	1.6-10 ml	-	-		8.5-10 ml
J	Quantity	80/68	196/148	-		-	6
11 11 11 11 11 11 11 11 11 11 11 11 11	Volume	15/50 ml	15/50 ml	-		-	15/50 ml
	Quantity	56/28	96/40	-		-	6
	Volume	750 ml	750 ml	-		-	-
	Quantity	4	4	-		-	-
	Volume	MTP	MTP	MTP		-	-
	Quantity	16	24	12		-	-
	Volume	450 ml	-	-	-	-	-
	Quantity	4	-	-	-	-	-



ROTORS ROTOFIX 46 / 46 H

					1)
Rotor			TT T		
Bio-containment lid		-	-	-	on request
Rotor pla	ces	4	6	6	4
Max. RPM		2,000	2,000	2,000	4,000
Max. RCF		984	917	805	3,095
	Volume	50-100 ml	-	-	-
	Quantity	12	-	-	-
	Volume	-	30	-	-
	Quantity	-	6	-	-
	Volume	-	-	25/50 ml	-
	Quantity	-	-	6	-
	Volume	-	-	-	250 ml
	Quantity	-	-	-	4
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Volume	-	-	-	15/50 ml
	Quantity	-	-	-	28/8
	Volume	-	-	-	290 ml
	Quantity	-	-	-	4

Table contains specifications for the most common rotors available per model. For additional configurations contact your local Hettich representative.

ROTORS ROTIXA 500 RS

Rotor			200 G		
Bio-containment lid		on request	on request	-	inclusive
Rotor places		4	4	2	6
Max. RPN	Л	4,500	4,000	3,600	9,500
Max. RCF	Max. RCF		3,631	2,652	14,025
J	Volume	1.5/2.0 ml	1.5/2.0 ml	-	-
A	Quantity	336	240	-	-
1	Volume	100 ml	100 ml	-	94 ml
J	Quantity	16	6	-	6
a	Volume	2.6-10 ml	1.1-10 ml	-	-
#	Quantity	201	120/72	-	-
1	Volume	1.6-10 ml	1.6-10 ml	-	-
J	Quantity	200	72	-	-
	Volume	15/50 ml	15/50 ml	-	-
	Quantity	204	42/12	-	-
	Volume	750 ml	290 ml	-	250 ml
	Quantity	4	6	-	6
	Volume	MTP	-	MTP	-
	Quantity	24	-	16	-
	Volume	1,000 ml	-	-	-
	Quantity	4	-	-	-

ROTORS ROTO SILENTA 630 RS

Rotor			
Bio-containment lid		-	inclusive
Rotor pla	ces	6	6
Max. RPN	Л	4,500	6,000
Max. RCF	:	6,520	5,594
пП	Volume	100 ml	94 ml
	Quantity	24	6
A	Volume	2.6-10 ml	-
	Quantity	126	-
J	Volume	1.6-10 ml	-
	Quantity	126/114	-
	Volume	15/50 ml	15/50 ml
i i V	Quantity	72/30	30/6
	Volume	1,000 ml	250 ml
	Quantity	6	6
	Volume	750 ml	-
	Quantity	12	-
Ä	Volume	2,000 ml	-
	Quantity	6	-

Table contains specifications for the most common rotors available per model. For additional configurations contact your local Hettich representative.

ROTORS ROTOLAVIT II

Rotor			
Rotor pla	Rotor places		24
Max. RPN	Л	4,500	4,000
Max. RCF	Max. RCF		3,631
	Volume	5	5
J	Quantity	12	24







We have a dedicated team of global customer assistants. Below is a list of your local customer service person.

Our global network of Hettich subsidiaries and authorized service providers ensure that customer challenges are addressed quickly and efficiently with real-time solutions.

In addition to our German headquarters, we have a network of subsidiaries in Singapore, the USA and across Europe. A complete list is provided on the back of this booklet. In addition, you can find a global overview of our authorized service providers on our website:

www.hettichlab.com

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NORTH- / SOUTH AMERICA	A BETTINA LUCENTE	bettina.lucente@hettichlab.com	Tel.: 07461 705 1165
ASIA-PACIFIC	INES SCHÖNLEN	ines.schoenlen@hettichlab.com	Tel.: 07461 705 1251
INDIA, PAKISTAN	ESTHER HILLENBERG	esther.hillenberg@hettichlab.com	Tel.: 07461 705 1359
MIDDLE EAST	ORAY RÖBLREITER	oray.roeblreiter@hettichlab.com	Tel.: 07461 705 1218
UK, SCANDINAVIAN, BALTIC STATES, SPAIN	DIANA STEFAN	diana.stefan@hettichlab.com	Tel.: 07461 705 1120
ITALY, BALKANS ESTERN EUROPE	ALEXANDER MATTES	alexander.mattes@hettichlab.com	Tel.: 07461 705 1118
AFRICA	ILONA HERMANN	ilona.hermann@hettichlab.com	Tel.: 07461 705 1166
RUSSIA, UKRAINE, BELARUS, POLAND	AGNIESZKA LOGIURAT	O agnieszka.logiurato@hettichlab.com	Tel.: 07461 705 1106

Hettich international



BENELUX

Hettich Benelux B. V.

De Aaldor 9 NL-4191 PC Geldermalsen Tel. +31 (0)882219900 Fax +31 (0)882219995 info@hettichbenelux.com

www.hettichbenelux.com

Hettich Italia S.R.L.

Via Prestinari 2 I - 20158 Milano Tel. +39 02/39311741 Fax +39 02/39 31 58 75 info@hettichitalia.it www.hettichitalia.it

SINGAPORE

Hettich

Asia Pacific Pte. Ltd.

3 Ang Mo Kio Street 62, #01-47 LINK@AMK Singapore 569139 Tel. +65 6358 3833 Fax +65 6358 3558 info@hettichlab.com.sg www.hettichlab.com.sg

DENMARK

Hettich Labinstrument ApS

Frydenborgvej 27E DK-3400 Hillerød Tel. +45 36775555 info@hettich.dk www.hettich.dk

SWEDEN

Hettich Labinstrument AB

Tegeluddsvägen 76 plan 3 S-11528 Stockholm Tel. +46 (0)87520030 info@hettichlabinstrument.se www.hettichlabinstrument.se USA

Hettich Instruments LP

100 Cummings Center, Ste 136L Beverly, MA 01915 Tel. +1 (0)978/2323957 Fax +1 (0)978/2323958 info@hettweb.com www.hettweb.com

FRANCE

Hettich SARL

7, Place de la Gare F-57200 Sarreguemines Tel. +33 (0) 472 49 01 62 Fax +33 (0) 472 24 66 08 info-fr@hettichlab.com www.hettichlab.com

SWITZERLAND

Hettich AG

Seestr. 204a CH-8806 Bäch Tel. +41 (0)44/7868020 Fax +41 (0)44/7868021 info@hettich.ch www.hettich.ch

and more than 130 distributors worldwide



