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Centrifuges



Manual centrifuge

Hettich.

To accommodate a 4-place oscillating rotor for 15 ml centrifuge tubes. With clamping device (max. span width approx. 40 mm) for attaching the centrifuge to lab desktops, etc.

Technical specifications:

Art. No.	EE90.1
Type	Manual centrifuge
Max. capacity	4 x 15 ml
Max. vessel length	125 mm
Max. vessel Ø	17 mm
Maximum speed	3,000 rpm
Maximum RCF	1076 x g
W x D x H	140 x 175 x 285 mm
Weight	0.9 kg

Delivery without oscillating rotor, please order separately.

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	
Manual centrifuge	EE90.1	1 unit(s)	



Small centrifuges CD-0506

Phönix Instrument.

With 6-slot angle rotor (54°) for centrifuging 1.5/2.0 ml reaction vials, 15 ml standard test tubes and 15 ml centrifuge tubes (Falcon®).

- Background-lit LCD display
- Displays centrifugation time, in rpm or x g
- Memory for two programmes, easy start with direct access keys
- Safety: Locking lid, rotation speed control

For use of the following types of vessel:

- 6 x 1.5/2.0 ml reaction vials (Ø 11 x L 41 mm)
- 6 x 5 ml reaction vials (Ø 15 x L 60 mm)
- 6 x 15 ml standard test tubes (Ø 17 x L 100 mm)
- 6 x 15 ml centrifuge tubes, Falcon® (Ø 17 x L 120 mm)
- 6 x 2.7-4.3 ml blood vials (Ø 13 x L 75 mm)
- 6 x 4.5-4.9 ml blood vials (Ø 11 x L 92 mm, Ø 13 x L 90 mm)
- 6 x 9-10 ml blood vials (Ø 16 x L 92 mm)
- 6 x 7.5-10 ml blood vials (Ø 15/16 x L 92 mm)
- 6 x 9.5-10 ml urine test tubes (Ø 15 x L 100 mm)

Technical specifications:

Art. No.	1L9E.1
Type	CD-0506
Maximum speed	5,000 rpm
Additional data	Speed can be adjusted in increments of 10 rpm
Maximum RCF	2600 x g
Minimum speed	300 rpm
Timer function	30 s to 99 mins / continuous operation function / short cycle (pulse key)
W x D x H	240 x 300 x 180 mm
Weight	5,2 kg
Mains connection	100-240 V, 50/60 Hz

Delivery incl. 6-slot angle rotor and adapter set (sleeve inner Ø 12 mm, H 35 mm) and sleeve inner Ø 13 mm, H 60 mm.

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	
CD-0506	1L9E.1	1 unit(s)	

Centrifuges



Small centrifuge CD-0412

Phönix Instrument.

With 12-slot angle rotor (45°) for centrifuging blood sample vessels, urine test tubes and centrifuge tubes (type Falcon®).

- Illuminated display
- Displays centrifugation time, in rpm or x g
- The timer starts once the selected speed is reached
- Safety: Cover lock, speed monitoring system and protection against overheating

For use of the following types of vessel:

- 12 x 15 ml standard test tubes (Ø 17 x L 100 mm)
- 6 x 15 ml centrifuge tubes, type Falcon® (Ø 17 x L 120 mm)
- 12 x 2.7-4.3 ml blood vials (Ø 13 x L 75 mm)
- 12 x 4.5-4.9 ml blood vials (Ø 11 x L 92 mm, Ø 13 x L 90 mm)
- 12 x 7.5-10 ml blood vials (Ø 15/16 x L 92 mm)
- 12 x 9-10 ml blood vials (Ø 16 x L 92 mm)
- 12 x 9.5-10 ml urine test tubes (Ø 15 x L 100 mm)

Technical specifications:

Art. No.	EEE2.1
Type	CD-0412
Maximum speed	4,500 rpm
Additional data	Speed can be adjusted in increments of 100 rpm
Maximum RCF	2490 x g
Minimum speed	300 rpm
Timer function	30 s to 99 mins / continuous run function /short cycle (pulse key)
W x D x H	140 x 255 x 245 mm
Weight	6.7 kg
Mains connection	100-240 V, 50/60 Hz

Delivery incl. 12-fold angle rotor, adapter set (sleeve inner Ø 16 mm, H 80 mm) and spacers (H 21 mm).

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	
CD-0412	EEE2.1	1 unit(s)	



Small centrifuges CD-0412-50 for 15-/50-ml tubes

Phönix Instrument.

With 6-slot combination angle rotor (54°) for centrifuging 6 x 15 or 6 x 50 ml Falcon® tubes.

- LCD display for showing the speed or RCF value and time
- The timer starts once the selected speed is reached
- Diagnosis programme for monitoring all functions

Technical specifications:

Art. No.	KEC8.1
Type	CD-0412-50
Maximum speed	4,000 rpm
Additional data	Speed can be adjusted in increments of 100 rpm
Maximum RCF	1800 x g
Minimum speed	300 rpm
Timer function	0.5 s to 99 min/continuous run function/short cycle
W x D x H	300 x 350 x 200 mm
Weight	6 kg
Mains connection	100-240 V, 50/60 Hz

Delivery incl. 6-fold angle rotor (54°).

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	
CD-0412-50	KEC8.1	1 unit(s)	



Centrifuges



Small centrifuges EBA series

Hettich.

For centrifugation of blood and urine samples, clarification of water and soil samples, etc.

General information for all models:

- Lid can be opened at the touch of a button
- Housing and lid made of impact resistant plastic, metal lid inner
- Overheating protection
- **With 8-tube angle rotor**

For use of the following types of vessel:

- 8 x 15 ml standard test tubes (Ø 17 x L 100 mm)
- 4 x 15 ml centrifuge tubes, type Falcon (Ø 17 x L 120 mm)
- 4 x 8 ml urine test tubes (Ø 16 x L 125 mm)
- 8 x 7.5-10 ml blood sample vessels (Ø 15/16 x L 92 mm)
- 8 x 4.5-4.9 ml blood sample vessels (Ø 11 x L 92 mm, Ø 13 x L 90 mm)
- 8 x 10 ml blood sample vessels (Ø 15 x L 102 mm)

Technical specifications:

Art. No.	ANT4.1	ANT5.1
Type	EBA 200	EBA 200 S
Maximum speed	6,000 rpm	8,000 rpm
Additional data	Speed can be adjusted in increments of 100 rpm	
Maximum RCF	3461 x g	6153 x g
Minimum speed	500 rpm	
Timer function	1 to 99 min / continuous duty / short cycle (pulse key)	
W x D x H	262 x 352 x 228 mm	
Weight	8 kg	10 kg
Mains connection	208–240 V, 50/60 Hz	

Delivery incl. 8-fold angle rotor for max. capacity 8 x 15 ml.

In vitro diagnostic medical device according to IVDD

Type	Art. No.	Pack Qty.	
EBA 200	ANT4.1	1 unit(s)	
EBA 200 S	ANT5.1	1 unit(s)	

Accessories adapter for centrifuge EBA 200 and 200 S

Hettich.

Designation	Art. No.	Pack Qty.	
Adapter type 1054-A for 5/6-ml vessels (Ø 12 x L 75/82 mm)	ANT6.1	1 unit(s)	



Small centrifuges EBA 270

Hettich.

With 6-slot oscillating rotor for centrifuging blood sample vessels, urine test tubes and standard centrifuge tubes.

- Variable speed and cycle time
- Display of parameters during centrifugation
- "Open lid" key for one-touch opening
- Safety: lid lock, emergency lid lock release, imbalance switch-off and metal lid
- Stainless steel centrifuging chamber

For use of the following types of vessel:

- 15 ml standard test tubes (Ø 17 x L 100 mm)
- 5/6 ml standard test tubes (Ø 12 x L 75/82 mm)
- 2.6-2.9 blood sample vessels (Ø 13 x L 65 mm), 2.7-3 ml (Ø 11 x L 66 mm)
- 4-5.5 ml blood sample vessels (Ø 15 x L 75 mm), 4.5-5 ml (Ø 11 x L 92 mm), 4.9 ml (Ø 13 x L 90 mm), 7.5-8.5 ml (Ø 15 x L 92 mm), 9-10 ml (Ø 16 x L 92 mm), 10 ml (Ø 15 x L 102 mm)
- Urine test tubes 1.6-5 ml (Ø 13 x L 75 mm), 4.5-7 ml (Ø 13 x L 100 mm), 4-7 ml (Ø 16 x L 75 mm), 8.5-10 ml (Ø 16 x L 100 mm)

Technical specifications:

Art. No.	PH35.1
Type	EBA 270
Maximum speed	4,000 rpm
Additional data	Speed can be adjusted in increments of 100 rpm
Maximum RCF	2254 x g
Minimum speed	500 rpm
Timer function	1-99 mins / continuous operation / short cycle (pulse key)
W x D x H	326 x 389 x 239 mm
Weight	13 kg
Mains connection	208–240 V, 50/60 Hz

Delivery incl. 6-fold oscillating rotor (90°), 6 sleeves with hole Ø 17.5 x L 80 mm and 6 sleeves with hole Ø 17.5 x L 50 mm.

In vitro diagnostic medical device according to IVDD

Type	Art. No.	Pack Qty.	
EBA 270	PH35.1	1 unit(s)	

Centrifuges



Small centrifuges Medifuge with 2-in-1 hybrid rotor

Thermo.

With eight-slot hybrid rotor for centrifuging blood sample vessels, urine test tubes and standard centrifuge tubes. Depending on whether fixed-angle buckets (45°) or swing-out buckets (90 °C) are used in the rotor, various types of centrifugation are possible. Mixed bucket configurations (fixed-angle and swing-out buckets) are also possible.

- Centrifugation time, variably adjustable in rpm or x g
- Memory for four programs with one-touch button
- Three braking profiles – standard, soft and brake off
- Max. RZB 3114 x g (fixed angle bucket)
max. RZB 3490 x g (swing-out bucket)

For use of the following types of vessel:

Fixed angle buckets, max. 3114 x g:

- 8 x 15 ml centrifuge tubes, Falcon type (Ø 17 x L 120 mm)
- 8 x 15 ml standard test tubes (Ø 17 x L 100 mm)
- 8 x 6/12/15 ml glass tubes (Ø 12/16 x L 100/125 mm)
- 8 x 1.2-4.3 ml blood vials (Ø 8-13 x L 66/75 mm)
- 8 x 4.5-4.9 ml blood vials (Ø 11 x L 92 mm/Ø 13 x L 90 mm)
- 8 x 7.5-10 ml blood vials (Ø 15/16 x L 92 mm)
- 8 x 9-10 ml blood vials (Ø 16 x L 92 mm)
- 8 x 9.5-10 ml urine test tubes (Ø 15 x L 100 mm)

Swing-out buckets, max. 3490 x g

- 8 x 15 ml standard test tubes (Ø 17 x L 100 mm)
- 8 x 6/12/15 ml glass tubes (Ø 12/16 x L 100 mm)
- 8 x 1.2-4.3 ml blood vials (Ø 8-13 x L 66/75 mm)
- 8 x 4.5-4.9 ml blood vials (Ø 11 x L 92 mm, Ø 13 x L 90 mm)
- 8 x 7.5-10 ml blood vials (Ø 15/16 x L 92 mm)
- 8 x 9-10 ml blood vials (Ø 16 x L 92 mm)
- 8 x 9.5-10 ml urine test tubes (Ø 15 x L 100 mm)

Technical specifications:

Art. No.	EEE1.1
Type	Medifuge
Maximum speed	4,900 rpm
Additional data	Speed can be adjusted in increments of 100 rpm
Maximum RCF	3114/3490 x g
Minimum speed	300 rpm
Timer function	1-99 mins / continuous operation / short cycle (pulse key)
W x D x H	241 x 325 x 450 mm
Weight	15.5 kg
Mains connection	220–230 V, 50/60 Hz

Delivery incl. DualSpin™ rotor with fixed-angle and swing-out bucket set (each with 8 fixed-angle and swing-out buckets) and adapter set for various vessels.

In vitro diagnostic medical device according to IVDD

Type	Art. No.	Pack Qty.	
Medifuge	EEE1.1	1 unit(s)	



Benchtop centrifuge Frontier FC 5706

Ohaus.

For sample preparation and sedimentation of cells, yeasts, bacteria, etc.

- Optional display of rpm or x g
- Backlit LCD display
- Depending on the rotor, suitable for max. 6 x 50 ml centrifuge tubes of type Falcon® or 12 x 15 ml standard tubes
- Lid with locking system
- Unbalance sensor

Technical specifications:

Art. No.	HNP6.1
Type	FC 5706
Maximum speed	6,000 rpm
Additional data	Speed can be adjusted in increments of 50 rpm
Maximum RCF	4427 x g
Minimum speed	200 rpm
Timer function	10 to 99 h, 99 min or continuous operation
W x D x H	291 x 392 x 266 mm
Weight	10,5 kg
Mains connection	230 V, 50/60 Hz

Delivery without rotor, please order separately.

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	
FC 5706	HNP6.1	1 unit(s)	



Accessories angle rotor 12-fold (32°) type 1520 for centrifuge Frontier FC 5706

Ohaus.

For 12 standard test tubes 15 ml with round base (Ø 17 x L 100 mm, max. RZB 4427 x g) or with optional adapter for reaction vials.

Designation	Art. No.	Pack Qty.	
12-fold angle rotor, type 1520	HNP7.1	1 unit(s)	



Accessories adapter for 12-fold angle rotor type 1520

Ohaus.

Technical specifications:

Art. No.	HNP8.1	HNP9.1	HNT0.1
Nominal volume	7 ml	5 ml	1.5 ml
Required number of adapters per rotor	12		
Max. vessel length	100 mm	75 mm	42 mm
Max. vessel Ø	13 mm		11 mm
Maximum RCF	4265 x g	3621 x g	3058 x g

Designation	Art. No.	Pack Qty.	
Adapter for 7 ml vessels	HNP8.1	2 unit(s)	
Adapter for 5 ml reaction vials	HNP9.1	2 unit(s)	
Adapter for 1.5/2.0 ml reaction vials	HNT0.1	6 unit(s)	



Accessories angle rotor 6-fold (40°) type 5015 for centrifuge Frontier FC 5706

Ohaus.

For 6 centrifuge tubes 50 ml type Falcon® (Ø 30 x L 115 mm, max. RZB 4427 x g) or with optional adapter for 15-ml centrifuge tubes type Falcon®.

Designation	Art. No.	Pack Qty.	
6-fold angle rotor, type 5015	HNT1.1	1 unit(s)	

Accessories adapter for 6-fold angle rotor type 5015

Ohaus.

Technical specifications:

Art. No.	HNT2.1	HNT3.1	HNT4.1
Nominal volume	30 ml	15 ml	
Required number of adapters per rotor	6		
Max. vessel length	100 mm	105 mm	120 mm
Max. vessel Ø	25 mm	17 mm	
Bottom shape	round		conical
Additional data			Tubes type Falcon®
Maximum RCF	4306 x g	4225 x g	4185 x g

Designation	Art. No.	Pack Qty.	
Adapter for 30 ml vessels	HNT2.1	2 unit(s)	
Adapter for 15 ml standard test tubes	HNT3.1	2 unit(s)	
Adapter for 15 ml tubes type Falcon®	HNT4.1	2 unit(s)	



Benchtop centrifuge Rotofix 32 A

Hettich.

For die sample preparation in research and industrial laboratories.

Features:

- Actual status display during operation
- Window for viewing in the lid
- Automatic rotor detection
- Optional display of rpm or x g
- Metal housing and metal lid are covered with an impact/scratch-resistant coating
- Safety: lid locking device and tumbler, unbalance switch-off, emergency unlocking device

Technical specifications:

Art. No.	EC34.1
Type	Rotofix 32 A
Maximum speed	6,000 rpm
Additional data	Speed can be adjusted in increments of 100 rpm
Maximum RCF	4146 x g
Minimum speed	500 rpm
Timer function	1 to 99 min / continuous operation / pulse button
W x D x H	366 x 430 x 257 mm
Weight	25 kg

Delivery without rotor, please order separately.

In vitro diagnostic medical device according to IVDD

Type	Art. No.	Pack Qty.	
Rotofix 32 A	EC34.1	1 unit(s)	



Accessories rotor for benchtop centrifuge Rotofix 32 A

Hettich.

(1) 12-fold angle rotor type 1613 for tubes 15 ml

For 12 standard test tubes 15 ml with round base (Ø 17 x L 100 mm) or 6 centrifuge tubes 15 ml (Ø 17 x L 120 mm) with conical base shape. Max. speed 6,000 rpm, max. RZB 4146 x g

Designation	Art. No.	Pack Qty.	
12-fold angle rotor, type 1613	EC35.1	1 unit(s)	

(3) 4-fold oscillating rotor type 1624 (90°) for tube beakers

For fastening 4 tube beakers.

Max. speed 4,000 rpm, max. RZB 2308 x g.

Delivery without tube beakers, please order separately.

Designation	Art. No.	Pack Qty.	
4-fold angle rotor, type 1624	EC38.1	1 unit(s)	

Centrifuges



Accessories for benchtop centrifuges Rotofix 32 A and Universal 320

Hettich.

Technical specifications:

Art. No.	EC36.1
Max. speed (in microlitre rotor)	4,000 rpm
Maximum RCF	2469 x g

(2) 8-fold oscillating rotor type 1617 (45°) for centrifuge tubes 50 ml

Additional adapters are required for centrifuge tubes 50 ml with conical base (29 x L 115 mm).

Max. speed 4,000 rpm, max. RZB 2469 x g (for Rotofix 32 A), max. speed 5,000 rpm, max. RZB 3875 x g (for Universal 320/320R).

Delivery without adapter for centrifuge tubes 15 ml (Ø 17 x L 120 mm), please order separately.

Designation	Art. No.	Pack Qty.	
8-fold angle rotor, type 1617	EC36.1	1 unit(s)	

Accessories tube beakers for standard test tubes 15 ml

Hettich.

Suitable for rotor type 1624. For centrifuging standard test tubes 15 ml (Ø 17 x L 100 mm) with round base. Number of vessels: 4 Vessels per beaker, 16 vessels per rotor. 4 tube beakers are required for operation with oscillating rotor type 1624.

Designation	Art. No.	Pack Qty.	
Tube beaker for rotor type 1624	EC39.1	1 unit(s)	

Accessories adapter for centrifuge tubes 15 ml to rotor type 1670 from centrifuge Rotofix 32 A and Universal 320

Hettich.

Designation	Art. No.	Pack Qty.	
Adapter for centrifuge tubes 15 ml to rotor type 1670	EC37.1	1 unit(s)	



Small centrifuges EBA 280

Hettich.

Centrifugation of water and soil samples as well as sedimentation of cells, yeasts, bacteria, etc.

- Programmable control system with 10 memory slots
- Adjustment of centrifuging time, rpm or RCF
- Input of start and stop times in increments from 1 to 9
- Safety: lid locking and holding, emergency lid lock release

Technical specifications:

Art. No.	ANT7.1
Type	EBA 280
Max. speed (in microlitre rotor)	6,000 rpm
Additional data	Speed can be adjusted in increments of 100 rpm
Maximum RCF	3703 x g
Minimum speed	500 rpm
W x D x H	326 x 389 x 242 mm
Weight	11 kg
Mains connection	200–240 V, 50/60 Hz

Delivery without rotor, please order separately.

In vitro diagnostic medical device according to IVDD

Type	Art. No.	Pack Qty.	
EBA 280	ANT7.1	1 unit(s)	



Accessories angle rotor 6-fold (35°) type 1137 for centrifuge EBA 280

Hettich.

- Max. capacity 6 x 50 ml
- Max. speed 6000 rpm, max. RCF 3703 x g
- Rotor is suitable for 6 standard test tubes 50 ml (Ø 34 x L 100 mm) without adapter
- If adapters for standard Falcon®- or Oak-Ridge tubes are required, please order separately

Designation	Art. No.	Pack Qty.	
6-tube angle rotor (35°) type 1137	ANT8.1	1 unit(s)	



Accessories adapter for angle rotor of centrifuges MIKRO 220/220R and EBA 280 suitable for rotor type 1016 and type 1137

Hettich.

Technical specifications:

Art. No.	LE14.1	LE15.1	LE16.1
Nominal volume	15 ml		50 ml
Required number of adapters per rotor	6		3
Max. vessels per adapter	6 unit(s)		3 unit(s)
Max. vessel length	100 mm	120 mm	115 mm
Max. vessel Ø	17 mm		29 mm
Bottom shape	round	conical	
Additional data	Standard	Type Falcon®	

Designation	Art. No.	Pack Qty.	
Adapter for 15 ml standard test tubes	LE14.1	1 unit(s)	
Adapter for 15-ml tubes type Falcon®	LE15.1	1 unit(s)	
Adapter for 50-ml tubes type Falcon®	LE16.1	1 unit(s)	

Accessories adapter for 6-fold angle rotor type 1137

Hettich.

Technical specifications:

Art. No.	ANT9.1	ANX0.1	ANX1.1
Nominal volume	7 ml	25 ml	50 ml
Required number of adapters per rotor	6		
Max. vessels per adapter	18 unit(s)	6 unit(s)	
Max. vessel length	100 mm		107 mm
Max. vessel Ø	12 mm	24 mm	29 mm
Bottom shape	round		
Additional data	Standard	Type Oak-Ridge	

Designation	Art. No.	Pack Qty.	
Adaptor for 7 ml standard test tubes	ANT9.1	1 unit(s)	
Adaptor for 25 ml standard test tubes and for 30 ml tubes of type Oak-Ridge	ANX0.1	1 unit(s)	
Adaptor for 50 ml tubes of type Oak-Ridge	ANX1.1	1 unit(s)	



Benchtop centrifuge Universal series

Hettich.

General information for all models:

- Short start-up and braking times
- 9 braking and start-up ramps as well as unbraked run-out possible
- Memory capacity for 10 programs
- Automatic rotor detection
- Optional display of rpm or x g when entering the rotor radius
- Simple rotor change
- Window for viewing in the lid
- Metal housing
- Safety features: Emergency unlocking device, motor overheating protection, unbalance switch-off

Technical specifications:

Art. No.	EC40.1	EC41.1
Type	Universal 320 classic	Universal 320 R cooled
Max. speed (in microlitre rotor)	16,000 rpm	
Additional data	Speed can be adjusted in increments of 10 rpm	
Maximum RCF	24900 x g	
Minimum speed	500 rpm	
Minimum RCF	24 x g	
Timer function	1 to 99 min / continuous operation / pulse button	
W x D x H	401 x 529 x 346 mm	407 x 698 x 346 mm
Temperature adjustment range		-20 to +40 °C
Weight	29 kg	52 kg
Mains connection	220–240 V, 50/60 Hz	

Delivery without rotor, please order separately.

In vitro diagnostic medical device according to IVDD

Model Universal 320 classic, non-cooled

- Air-cooled or without cooling function

Type	Art. No.	Pack Qty.	
Universal 320 classic	EC40.1	1 unit(s)	

Model Universal 320 R, cooled

- With cooling functions
- Temperature infinitely adjustable from -20 to +40 °C in increments of 1 °C
- Precool function

Type	Art. No.	Pack Qty.	
Universal 320 R cooled	EC41.1	1 unit(s)	

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