

CD, CE, CF, CM, DA

Технические характеристики

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Centrifuges

Personal Microcentrifuges

Ideal for rapid spin-downs from microtube walls and caps, HPLC preparations, cell separations and microfiltration tubes.

- ◆ Choice of model:
 - uniCFUGE 2: two fixed speeds; 4000rpm/max. 1200xg and 6000rpm/max. 2000xg; with universal rotor for 6 x 1.5/2ml, 6 x 0.5ml tubes or 2 x strips of 8 x 0.2ml PCR tubes
 - uniCFUGE 3: stepless speed adjustment up to 6000rpm/max. 2000xg with 0 to 25 minute timer, digital display and imbalance detection. Two rotors are included for 8 x 1.5/2ml and 16 x 0.2ml PCR tubes with adapters for 8 x 0.2/0.4/0.5ml tubes
- ◆ Minimal bench space required
- ◆ Transparent lid allows easy sample viewing
- ◆ Lid latch microswitch allows operation only when the lid is closed
- ◆ Portable, lightweight, but sturdy housing
- ◆ Soft polymer footpad gives stability and quiet operation

Model	uniCFUGE 2	uniCFUGE 3
Speed	rpm 4000/6000	up to 6000
Force max.	rcf 1200/2000xg	up to 2000
Overall H x W x D	120 x 140 x 140mm	116 x 160 x 160mm
Weight	kg 0.7	1.1
Supply requirement	100-240V 50/60Hz single phase supplies - both models	

As described. For 100-240V 50/60Hz single phase supplies.

- CD115-40** Fixed speed, uniCFUGE 2
- CD115-65** Variable speed, uniCFUGE 3

0.2ml tube strips - see MW730, MW760.

Microcentrifuge tubes - see CF300/CF308.

Centrifuge-Vortexers, PCV- Series

Grant bio

Benchtop, combined microcentrifuge/vortex mixers for spin-mix-spin applications involving 0.2, 0.5, 1.5/2ml microtubes (or 8-well microtube strips using an accessory rotor). Can be used as a separate centrifuge, mixer (or concurrently - PCV2400 only). Ambient operating temperature range: +4 to +45°C.

- ◆ Combi-spin PCV-2400
 - Fixed speed 2400rpm. Tubes are spun simultaneously, then removed for individual mixing in the vortex cup which protrudes from an opening in the closed lid (safety interlock will not allow operation when the lid is open). Further tubes can be spun whilst individual tubes are vortexed. Suitable for continuous use up to 60 minutes or short spin. For 220-240V 50/60Hz single phase supplies.
- ◆ Multi-spin PCV-6000
 - Tubes are held in the rotor for spinning or mixing. Spin and/or mix phases can be pre-programmed by the user via the twin-line LCD readout and setting keys. Speed is adjustable from 1000 to 6000rpm in 100rpm steps, maximum rcf 2350xg, overall time from 1 second to 30 minutes, mixing period from 1 to 20 seconds and mix-spin cycles can be preset to repeat up to 999 times. Mixing intensity is also adjustable over three levels: low, medium or high. Multi-spin operates via a 12V d.c. power adapter requiring a 100-240V 50/60Hz single phase supply.

As described. both models are supplied with interchangeable rotors for 12 x 1.5/2ml microtubes or 12 x 0.2ml and 12 x 0.5ml microtubes. Overall 225 x 180 x 115mm W x D x H.

- CD125-20** PCV-2400
- CD125-45** PCV-6000

Accessory rotors for both models

- CD129-10** PR2-05, 8 x 1.5/2ml and 8 x 0.5ml microtubes
- CD129-15** PR2-05-02, 6 x 1.5/2ml, 6 x 0.2ml and 6 x 0.5ml microtubes
- CD129-20** PSR-16-5, 2 x 8-well 0.2ml microtube strips



CD115-40



CD115-65



CD125-20 in use



CD125-45 in use

Centrifuges

Benchtop Centrifuge LMC-3000 Grant bio

A basic, low-speed, benchtop centrifuge for routine analytical applications using accessory interchangeable rotors.

- ◆ Maximum speed 3000rpm (2000rpm with microtitre plate rotor)
- ◆ 1 to 30 minute timer
- ◆ Twin-line LCD readout of speed and time with simple push-button setting
- ◆ Soft start and run-down functions
- ◆ Automatic rotor imbalance switch-off and lid interlock when running

General Purpose Centrifuge, LMC-3000

As described. Overall 235 x 470 x 400mm H x W x D. Weight 13.5kg. For 230V 50/60Hz single phase supplies. Without rotor.

CD140-10 LMC-3000

Accessory rotors for CD140-10

CD142-03 R-12-10, rotor for 12 x 10/15ml (110 x 16mm) round bottom tubes. Max. rpm 3000

CD142-06 R-12-15, rotor for 12 x 15ml (120 x 17mm) conical tubes. Max. rpm 3000

CD142-09 R-6, rotor for 6 x 50ml (116 x 30mm) conical tubes. Max. rpm 3000

CD142-12 R-2, rotor for 2 x 96-well microplates (standard or deep-well). Max. rpm 2000



CD140-10



CD142-03



CD142-09



CD142-06



CD142-12

Benchtop Microcentrifuge, uniCFUGE 5

Well-featured, benchtop microcentrifuge providing high performance at a low cost. With lidded rotor accommodating 12 x 1.5/2ml microtubes and adapters for 0.4/0.5ml tubes.

- ◆ Speed range 500 to 15000rpm (maximum rcf: 15595xg)
- ◆ 60 second to 999 minute timer
- ◆ Safety lid interlock
- ◆ Pulse (short spin) function
- ◆ Last run memory feature
- ◆ Large LCD readout of speed, time and process
- ◆ Automatic rotor imbalance switch-off and lid interlock when running
- ◆ USB port and software allows setting/control by the user's computer and storage of up to 99 user-defined programmes

Microcentrifuge, uniCFUGE 5

As described. Supplied with 12 x 1.5/2ml microtube rotor and lid, adapters for 0.4/0.5ml and 0.2ml tubes, rotor removal Allen key, software CD and manual. Overall 131 x 262 x 230mm H x W x D. Weight 4kg. For 100-240V 50/60Hz single phase supplies.

CD190-25 uniCFUGE 5

Accessory rotor for CD190-25

CD192-04 For 16 x 0.2ml tubes or 2 x strips of 8 x 0.2ml PCR tubes.



CD190-25 in use

Centrifuges

Benchtop Centrifuges, Frontier 55-series

OHAUS®

For high-speed centrifugation of microlitre volumes.

- ◆ Standard and refrigerated models
- ◆ Maximum capacity: 44 x 2ml
- ◆ Digital control and display, with single touch, toggle adjustment of speed, rcf, time (and temperature - FC5515R only), with 10 acceleration/deceleration settings and 99 programme memory
- ◆ Powerful, brushless, induction motor
- ◆ Safety features include lid lock during operation and rotor imbalance sensing that halts the centrifuge if imbalance detected or sudden shock occurs
- ◆ Wide choice of rotors to accommodate a variety of tubes

Catalogue No.	CD300-10	CD300-20
Model	FC5515	FC5515R
Maximum speed rpm	15200	15200
Force max. rcf	21950xg	21950xg
Maximum capacity (rotor)	44 x 1.5/2ml, 12 x 5ml - both models	
Temperature range °C	-	-20 to 40
Timer	10 sec. to 99 hrs, 99min. 59 sec. - both models	
Overall H x W x D	287 x 393 x 292mm	287 x 561 x 292mm
Weight kg	17	35
Supply requirement	230V 50/60Hz single phase - both models	

Benchtop Centrifuges, Frontier 55-series, Ohaus

As described. For 230V 50/60Hz single phase supplies. Without rotors, accessories or tubes.

CD300-10 FC5515

CD300-20 FC5515R, refrigerated

Accessory angle rotors

With snap-on, or aerosol-tight, biocontainment lid as indicated.

Rotor	No. of tubes x capacity, ml	Tube dia. x length	Max. rpm/rcf xg
CD302-04	24 x 1.5/2.0	-	15200/21950
CD302-08	24 x 1.5/2.0 Bio lid	-	15200/21950
CD302-12	30 x 1.5/2.0 Bio lid	-	13500/19150
CD302-16	44 x 1.5/2.0ml	-	13500/17110
CD302-21	12 x 5ml	17 x 100	14500/19970
CD302-24	4 x PCR tube strips of 8		15000/15340
CD302-28	24 x microhaematocrit capillaries*		12000/14970

* For use in FC5515 only.

Adapters

For use in rotors as indicated. Supplied singly.

CD304-05 0.5ml, for 1.5/2.0ml rotors, max. rpm/rcf: 15200/19110xg

CD304-09 0.2/0.4ml, for 1.5/2.0ml rotors, max. rpm/rcf: 13500/18530xg**

CD304-13 1.8ml cryotube, for 5ml rotor, max. rpm/rcf: 14500/17620xg**

CD304-17 1.0ml cryotube, for 5ml rotor, max. rpm/rcf: 14500/16210xg**

** Dependent on rotor selected and position within rotor.

Accessories for CD302-28

Micro-Haematocrit reader

Provides quick, accurate readings of packed cell volume on samples with total fluid column heights between 40 and 70mm high.

CE805-10 Haematocrit reader

CE806-08 Heparinised tubes, capacity 59 l, length 75mm, pack of 1000

CE806-14 Plain tubes, pack of 1000

CE806-18 Cristeal sealing material in tray marked to show the correct filling volume and labelled for sample identification, pack of 10 trays

CM115-10 Disposable blood lancets, pack of 200



CD300-10



CD300-20

centrifuges

Benchtop Centrifuge, Frontier 5706

OHAUS®

Compact, multifunctional, ambient centrifuge for routine separation and spin-down in Life Science applications.

- ◆ Maximum capacity: 6 x 50ml
- ◆ Digital control and display, with single touch, toggle adjustment of speed, rcf and time, with 10 acceleration/deceleration settings
- ◆ Safety features include lid lock during operation and rotor imbalance sensing that halts the centrifuge if imbalance detected or sudden shock occurs
- ◆ Wide choice of rotors to accommodate a variety of tubes

Catalogue No.	CD310-15	
Model	FC5706	
Maximum speed	rpm	6000
Force max.	rcf	4420xg
Maximum capacity (rotor)	6 x 50ml	
Timer	10 sec. to 99 hrs, 99min. 59 sec. – both models	
Overall H x W x D	291 x 392 x 266mm	
Weight	kg	15
Supply requirement	230V 50/60Hz single phase – both models	

Benchtop Centrifuge, Frontier 5706, Ohaus

As described. For 230V 50/60Hz single phase supplies. Without rotors, accessories or tubes.

CD310-15 FC5706

Accessory rotors

Rotor	No. of tubes x capacity, ml	Tube dia. x length, mm	Max. rpm/rcf xg
Angle			
CD311-06	12 x 15	17 x 121	6000/4420
CD311-12	6 x 50	29 x 120	16000/4420
Swing-out			
CD311-18	6 x 5	13 x 75	6000/1870

Adapters

For use in rotors as indicated. Supplied singly.

- CD312-08** 7ml (13 x 100mm) tube, max. rpm/rcf: 6000/4260xg, for CD311-06 only
- CD312-13** 5ml (13 x 75mm) tube, max. rpm/rcf: 6000/3620xg, for CD311-06 only
- CD312-16** 1.5/2ml microtube, max. rpm/rcf: 6000/3050xg, for CD311-06 only
- CD312-24** 30ml (25 x 100mm) tube, max. rpm/rcf: 6000/4300xg, for CD311-12 only
- CD312-29** 16ml (18 x 105mm) tube, max. rpm/rcf: 6000/4140xg, for CD311-12 only
- CD312-35** 15ml (17 x 120mm) tube, max. rpm/rcf: 6000/4220xg, for CD311-12 only
- CD312-42** 15ml (17 x 121mm) Falcon-type conical or round bottom tube, max. rpm/rcf: 6000/4180xg, for CD311-06 only
- CD312-60** Accessory buckets, 5ml (13 x 75mm) tubes, max. rpm/rcf: 6000/1870xg, for CD311-18 only, pack of 2.



CD310 in use with CD311-06

centrifuges

Benchtop Centrifuges, Frontier 5718-series

OHAUS®

Flexible, multi-tasking, benchtop centrifuges suitable for a wide variety of separation tasks in research, industrial and clinical laboratories.

- ◆ Standard and refrigerated models
- ◆ Maximum capacity: 4 x 100ml
- ◆ Comprehensive range of accessory rotors available with automatic rotor recognition
- ◆ Memory storage of up to 99 programmes including parameter settings and rotor information
- ◆ Rotary control setting with membrane keypad and backlit LCD readout provide easy operation
- ◆ Safety features include overspeed protection activated on rotor insertion, active imbalance detection, motorised lid-locking and self-diagnosis programme
- ◆ Powerful, brushless, maintenance-free, induction motor
- ◆ Thread-free, rotor locking mechanism
- ◆ Refrigerated model 5718R includes a rotor pre-cooling programme

Catalogue No.	CD325-15	CD325-30
Model	FC5718	FC5718R
Maximum speed rpm	18000	18000
Force max. rcf	23542xg	23542xg
Maximum capacity (rotor)	4 x 100ml - both models	
Temperature range °C	-	-20 to 40
Timer	10 sec. to 99 hrs, 99min. 59 sec. or continuous – both models	
Overall H x W x D	408 x 499x 351mm	408 x 731 x 351mm
Weight kg	43	60
Supply requirement	230V 50/60Hz single phase – both models	

Benchtop Centrifuges, Frontier 5718-series, Ohaus

As described. For 230V 50/60Hz single phase supplies. Without rotors, accessories or tubes.

CD325-15 FC5718

CD325-30 FC5718R, refrigerated

NOTE: The lowest temperature attainable by FC5718R in use depends on the rotor chosen, sample load, speed of operation and ambient room temperature.



CD325-15

Accessory swing-out rotors and fittings

CD327-05 Rotor, 4 x 100ml, for use with accessory carriers, maximum rpm/rcf 5000/3350xg

Carriers for CD327-05. Supplied in packs of 2.

CD327-09 1 x 100ml (46 x 110mm) round bottom tube

CD327-11 1 x 50ml (29 x 123mm) round bottom tube

CD327-13 1 x 50ml, Falcon-type (29 x 116mm) conical bottom tube

CD327-15 1 x 25ml (25 x 115mm) round bottom tube

CD327-17 2 x 15ml, Falcon-type (17 x 120mm) conical bottom tubes

CD327-19 7 x 5 to 7ml (13 x 100mm) round bottom tubes

CD329-04 Rotor, 4 x 100ml, for use with accessory sealable buckets with caps and insert adapters, maximum rpm/rcf 5000/3885xg

Buckets and insert adapters for CD329-04. Supplied in packs of 2.

CD329-07 Buckets and aerosol-tight caps

CD329-10 Adapters, 1 x 100ml (40 x 120mm) round bottom tube

CD329-12 Adapters, 1 x 50ml (29 x 115mm) round bottom tube

CD329-14 Adapters, 1 x 50ml, Falcon-type (29 x 116mm) conical bottom tube

CD329-18 Adapters, 1 x 25ml (25 x 115mm) round bottom tube

CD329-22 Adapters, 2 x 15ml, Falcon-type (17 x 120mm) conical bottom tubes

CD329-26 Adapters, 4 x 5 to 7ml (13 x 100mm) round bottom tubes

Accessory angle rotors and fittings

CD330-15 Rotor, 10 x 50ml, Falcon-type (29 x 116mm) conical bottom tubes, maximum rpm/rcf 7500/8174xg

CD330-17 Adapters for CD330-15, 1 x 15ml (17 x 116mm) round bottom tubes, pack of 2

CD330-19 Adapters for CD330-15, 1 x 7ml (13.5 x 100mm) round bottom tubes, pack of 2

CD333-11 Rotor, 30 x 15ml, Falcon-type or round bottom (17 x 120mm) tubes, maximum rpm/rcf 4500/2830xg

CD333-14 Adapters for CD333-11, 1 x 1.5/2ml, 11mm dia. round bottom tubes, pack of 6

CD334-10 Rotor, 30 x 1.5/2ml, 11mm dia. tubes, maximum rpm/rcf 13000/17758xg (14000/20595xg – R model)

CD334-14 Adapters for CD334-10, 1 x 0.2/0.4ml, 6mm dia. tubes, pack of 6

Other rotors and adapters, including for cytology applications, are available – details on request.



CD325-30

centrifuges

Benchtop Centrifuges, Frontier 5816-series

OHAUS®

High capacity, benchtop centrifuges suitable for a wide variety of separation tasks in research, industrial and clinical laboratories.

- ◆ Standard and refrigerated models
- ◆ Maximum capacity: 6 x 250ml
- ◆ Comprehensive range of accessory rotors available with automatic rotor recognition
- ◆ Memory storage of up to 99 programmes including parameter settings and rotor information
- ◆ Rotary control setting with membrane keypad and backlit LCD readout provide easy operation
- ◆ Safety features include overspeed protection activated on rotor insertion, active imbalance detection, motorised lid-locking and self-diagnosis programme
- ◆ Powerful, brushless, maintenance-free, induction motor
- ◆ Thread-free, rotor locking mechanism
- ◆ Refrigerated model 5816R includes a rotor pre-cooling programme

Catalogue No.	CD355-25	CD355-45
Model	FC5816	FC5816R
Maximum speed rpm	15000	16000
Force max. rcf	20379xg	24325xg
Maximum capacity (rotor)	6 x 250ml - both models	
Temperature range °C	-	-20 to 40
Timer	10 sec. to 99 hrs, 99min. 59 sec. or continuous - both models	
Overall H x W x D	440 x 538 x 354mm	723 x 538 x 354mm
Weight kg	52	77
Supply requirement	230V 50/60Hz single phase - both models	

Benchtop Centrifuges, Frontier 5816-series, Ohaus

As described. For 230V 50/60Hz single phase supplies. Without rotors, accessories or tubes.

CD355-25 FC5816

CD355-45 FC5816R, refrigerated

NOTE: The lowest temperature attainable by FC5816R in use depends on the rotor chosen, sample load, speed of operation and ambient room temperature.

Accessory swing-out rotors and fittings

CD357-04 Rotor, 4 x 250ml, for use with accessory carriers, maximum rpm/rcf 4500/3780xg

Carriers for CD357-04. Supplied in packs of 2.

CD357-08 1 x 250ml (62 x 135mm) flat bottom tube

CD357-10 1 x 100ml (41 x 123mm) round bottom tube

CD357-12 3 x 50ml, Falcon-type (29 x 116mm) conical bottom tubes

CD357-15 5 x 25ml (24.5 x 120mm) round bottom tubes

CD357-17 7 x 15ml, Falcon-type (17 x 120mm) conical bottom tubes

CD357-19 14 x 5 to 7ml (13 x 119mm) round bottom tubes

CD359-05 Rotor, 4 X 200ml, for use with accessory carriers, maximum rpm/rcf 4500/3735xg

Carriers for CD359-05. Supplied in packs of 2.

CD359-10 4 x 50ml, Falcon-type (29 x 116mm) conical bottom tubes

CD359-15 10 x 15ml, Falcon-type (17 x 121mm) conical bottom tubes

Accessory angle rotors and fittings

CD361-12 Rotor, 6 x 250ml (62 x 135mm) flat bottom tubes/bottles, maximum rpm/rcf 8000/10016xg

CD361-15 Adapters, 8 x 1.5ml, 11mm dia. round bottom tubes, pack of 2

CD361-18 Adapters, 5 x 10ml, 16mm dia. round bottom tubes, pack of 2

CD361-21 Adapters, 4 x 15ml, Falcon-type or round bottom, 17mm dia. tubes, pack of 2

CD361-24 Adapters, 1 x 50ml (29 x 123mm) round bottom tubes, pack of 2

CD361-27 Adapters, 1 x 50ml (29 x 116mm) Falcon-type tubes, pack of 2

CD363-08 Rotor, 6 x 50ml (29 x 123mm) round bottom tubes, maximum rpm/rcf 13000/15869xg

CD363-11 Adapters, 1 x 30ml (26 x 123mm) flat or round bottom tubes, pack of 2

CD363-13 Adapters, 1 x 16ml (17 x 121mm) flat or round bottom tubes, pack of 2

CD367-14 Rotor, 44 x 1.5/2ml, 11mm dia. tubes, maximum rpm/rcf 15000/21128xg (16000/24039xg - R model)

CD334-14 Adapters, 1 x 0.2/0.4ml, 6mm dia. tubes, pack of 6

CD367-18 Adapters, 1 x 0.5ml, 8mm dia. tubes, pack of 6

Other rotors and adapters, including for cytology applications, are available - details on request.



CD355-25



CD355-45

Centrifuges

Student Models

Hand Centrifuge

Reinforced tough polyamide housing with the gear support structure and bench clamp of steel. The gear is self lubricating and runs easily. Maximum speed 3000rpm. Without rotor. PLEASE SEE NOTE BELOW REGARDING THE SUPPLY OF THIS CENTRIFUGE.

CD505-10 Hand centrifuge, without rotor

Accessory Rotors (Load must be balanced), supplied with buckets

CD505-33 For 4 x 15ml (120 x 17mm max.) conical tubes. Max. rcf 1300xg

CD505-36 For 4 x 15ml (127 x 17mm max.) round bottom tubes. Max. rcf 1076xg

SUPPLY OF HAND CENTRIFUGES

We cannot supply these centrifuges for use in the UK. Please check before ordering that the use of this type of centrifuge is permitted in the country where it is to be operated.



CD505-10 with CD505-33

Centrifuge, Clifton Targa

Maximum speed 4000rpm. With enamelled steel outer case and 6 x 15ml (125 x 18mm tube), fixed angle rotor. Maximum rcf 2075xg. With digital controller, allowing display and setting by rpm or rcf and time in minutes and seconds up to 100 minutes. Up to 10 speed and time protocols can be stored in the built-in memory. Also includes safety lid interlock and lid anti-drop mechanism. Overall 296 x 412 x 206mm W x D x H (lid closed). Weight 19kg. For 230V 50/60Hz single phase supplies.

CD545-40 NE010G

Accessories

CD547-04 Adapter, 1 x 3ml (13.5 x 61mm) tube (6 required)

CD547-06 Adapter, 1 x 4ml (13.5 x 65mm) tube (6 required)

CD547-04 Adapter, 1 x 5ml (13.5 x 85mm) tube (6 required)

Gerber centrifuges – see DA450/DA460.

Mikro 200



A low-cost, compact, micro-centrifuge.

- ◆ Maximum speed 15000rpm
- ◆ 0 to 99 minute 59 seconds timer
- ◆ Pulse control
- ◆ 4 programme memory storage

Mikro 200

As described. Maximum speed 15000rpm, with digital control, 0 to 99 minute 59 seconds timer and pulse key. Overall 260 x 275 x 344mm H x W x D. Weight 12kg. For 230V 50/60Hz single phase supplies. Without rotor, adapters or tubes.

CD590-14 Mikro 200

Accessory Angle Rotors

Supplied singly.

CD593-16 24 x 1.5/2ml Max. rpm/rcf 15000/21382xg

CD593-18 30 x 1.5/2ml Max. rpm/rcf 15000/20627xg

Accessory Adapters

Supplied singly.

CD594-05 1 x 0.2/0.4ml (6 x 45mm o.d. x L, max.)

CD594-07 1 x 0.5/0.8ml (8 x 45mm o.d. x L, max.)

CD594-09 1 x 1.5ml* (11 x 38mm o.d. x L, max.)

*Recommended when centrifuging 1.5ml tubes at high speeds.



CD545-40



CD590-14

Centrifuges

Hettich Mikro 220/R

- ◆ Standard and refrigerated models
- ◆ Maximum capacity 24 x 1.5/2.2ml (6 x 50ml-Mikro 220R only)
- ◆ Digital setting rpm/rcf, time period (and temperature – Mikro 220R only)
- ◆ Quiet running, with rapid acceleration

Mikro 220

As described. Maximum speed 18000rpm, rcf 31514xg according to rotor selected. 1 second to 99 minute timer, continuous run facility and pulse key. Overall 313 x 330 x 420mm H x W x D. Weight 21kg. For 230V 50/60Hz single phase supplies. Without rotor, accessories or tubes.

CD600-74 Mikro 220

Mikro 220R, refrigerated

As CD600-74 but with integral cooling unit. Chamber temperature can be set between -20°C and +40°C. Overall 313 x 303 x 650mm H x W x D. Weight 42kg. For 230V 50/60Hz single phase supplies. Without rotor, accessories or tubes.

CD600-79 Mikro 220R

Accessory Swing-Out Rotor

Maximum rpm/rcf 13000/18516xg.

CD600-82 For 24 x 1.5/2.2ml tubes

Accessory Fixed Angle Rotors

Angle rotor with sealed lid. Maximum rpm/rcf 18000/31514xg.

CD600-87 For 24 x 1.5/2.2ml tubes

Angle rotor. Maximum rpm/rcf 6000/4146xg. For use with CD600-79 only.

CD600-92 For 12 x 15ml (17 x 120mm) tubes

Angle rotors for 6 x 50ml round bottom tubes, 34 x 100mm diameter x height. Maximum rpm/rcf 6000/4025xg. For use with CD600-79 only.

CD600-94 For 6 x 50ml (34 x 100mm) tubes

CD600-95 1 x 50ml conical (29 x 115mm) tube adapter. Max. rcf 3824xg. 6 required

Hettich Universal Models 320/320R

- ◆ Standard and refrigerated models
- ◆ Maximum capacity 6 x 85ml
- ◆ Safety features include rotor recognition, imbalance detector and overspeed protection
- ◆ Maintenance free induction drive
- ◆ Digital control and display of rpm/rcf, time period (and temperature – Universal 320R only)

Universal 320

As described. Maximum speed 5000rpm swing-out, 15000rpm angle, maximum rcf 21382xg, according to rotor/accessories selected. With 10 programme memory and 1 to 99 minute timer with continuous run setting. Overall 346 x 395 x 520mm H x W x D. Weight 31kg. For 230V 50/60Hz single phase supplies. Without rotor, accessories or tubes.

CD625-25 Universal 320

Universal 320R, refrigerated

As CD625-25 but with integral hermetically sealed cooling unit. Chamber temperature can be set between -20°C and +40°C. Overall 346 x 401 x 695mm H x W x D. Weight 53kg. For 230V 50/60Hz single phase supplies. Without rotor, accessories or tubes.

CD625-37 Universal 320R

No of tubes x capacity	Tube dia. x length, mm	Rotor	Carrier/ Bucket/Adapter	Maximum rpm/rcf xg
Swing-Out Rotors				
4 x 100ml	44 x 100	CD625-50	CD627-15	5000/2558
16 x 15ml	17 x 100	CD625-50	CD627-15/CD627-26	5000/2540
4 x 25ml*†	25 x 110	CD625-50	CD627-15/CD627-22	5000/2665
4 x 50ml*	29 x 115	CD625-50	CD627-15/CD627-19	5000/2665
4 x 15ml*	17 x 120	CD625-50	CD627-15/CD627-30	5000/2665
8 x 50ml*	29 x 115	CD625-54	—	5000/3857
2 x microplates	—	CD625-61	—	5000/2218
Fixed Angle Rotors				
6 x 85ml	38 x 106	CD625-68	—	9000/9509

*Primarily for use with Falcon-type, conical base tubes. † For use with disposable universal bottles.

Accessory Rotors

CD625-50 4-place swing-out x 100ml. Without buckets or carriers

CD625-54 8-place swing-out x 50ml. With buckets

CD625-61 2-place swing-out for microplate carriers CD627-62 Max. rpm/rcf 4000/2218xg

CD625-68 6-place fixed angle x 85ml

Accessory Buckets/Carriers/Adapters

The number of buckets, carriers, cushions and adapters must equal the number of rotor places. Supplied singly.

CD627-15 1 x 100ml bucket for rotor CD625-50

CD627-62 Microplate carrier only for 4 x microplates with lid. For CD625-61

CD627-17 1 x 100ml tube cushion for bucket CD627-15

CD627-19 1 x 50ml conical adapter for bucket CD627-15

CD627-22 1 x 25ml conical adapter for bucket CD627-15

CD627-26 4 x 15ml adapter for bucket CD627-15

CD627-30 1 x 15ml conical adapter for bucket CD627-15

Note: There are no accessories for fixed angle rotor CD625-68



CD600-79, CD600-74 is similar



CD625-37

CD625-25

Centrifuges

Hettich Benchtop Centrifuges Rotina 380/380R

- ◆ Standard and refrigerated models
- ◆ Maximum capacity 4 x 250ml using accessory rotors
- ◆ Digital control and display of rpm/rcf, time period (and temperature Rotina 380R only)
- ◆ Simple touch key operation ◆ Stainless steel lined chamber and lid
- ◆ Choice of swing-out and angle rotors
- ◆ Safety features include:
 - rotor recognition — imbalance detector — overspeed protection
- ◆ Maintenance free induction drive for smooth and quiet operation

Catalogue No.		CD650-57	CD650-62
Model		Rotina 380	Rotina 380R
Maximum speed			
Swing-out rotor	rpm	5000	5000
Fixed angle rotor	rpm	15000	15000
Maximum rcf			
Swing-out rotor	xg	4560	4560
Fixed angle rotor	xg	23650	23650
Maximum volume			
Swing-out rotor	ml	4 x 100	4 x 100
Fixed angle rotor	ml	6 x 85	6 x 85
Timer	minutes	1 to 99 and continuous, with pulse key	

Benchtop Centrifuge Rotina 380

As described. Overall 418 x 457 x 600mm H x W x D. Weight 51kg. For 230V 50/60Hz single phase supplies. 670W. Without rotors, accessories or tubes.

CD650-57 Rotina 380

Benchtop Centrifuge Rotina 380R, refrigerated

As CD650-57 but with integral hermetically sealed cooling unit. Chamber temperature can be set between -20°C and +40°C and a pre-cooling programme can be used to ensure that samples maintain their required temperature when placed into the centrifuge. Overall 418 x 457 x 750mm H x W x D. Weight 78kg. For 230V 50Hz single phase supplies. 1050W. Without rotor, accessories or tubes.

CD650-62 Rotina 380R

Accessory Swing-Out Rotors

- CD650-66** 4-place x 100ml. Without buckets. Maximum rpm/rcf 5000/4863xg
- CD650-68** 4-place x 250ml (65 x 115mm) tubes. Without buckets. Maximum rpm/rcf 4000/3095xg
- CD650-71** 2-place microtitre plate rotor. Without carriers. Maximum rpm/rcf 4000/2397xg

Accessory Fixed Angle rotors

- CD650-73** 6-place x 85ml (38 x 101mm) tubes. Maximum rpm/rcf 10000/13528xg (11000/16369xg refrigerated)
- CD650-77** 30-place x 1.5/2.2ml tubes. Maximum rpm/rcf 15000/24400xg

Accessory Buckets/Carriers/Adapters

The number of buckets, carriers and adapters must equal the number of rotor places. Supplied singly.

For 4-place Swing-Out Rotor, CD650-66

- CD652-13** 1 x 100ml bucket
- CD652-15** 1 x hermetic sealing lid for bucket CD652-13
- CD652-20** 1 x 100ml (40 x 115mm tubes) adapter for bucket CD652-13. Max rcf 4640xg
- CD652-21** 3 x 50/75ml (34 x 100/105mm tubes) adapter for bucket CD652-13. Max rcf 4668xg
- CD652-23** 6 x 25ml (24 x 100mm tubes) adapter for bucket CD652-13. Max rcf 4668xg
- CD652-27** 13 x 9-15ml (14/17 x 70/100mm tubes) adapter for bucket CD652-13. Max rcf 4668xg
- CD652-36** 24 x 4-7ml (12 x 60/100mm tubes) adapter for bucket CD652-13. Max rcf 4668xg
- CD652-39** 36 x 1.5/2.0ml reaction tube adapter for bucket CD652-13. Max rcf 3494/4779[†]xg

[†]Upper/lower tier.

For 4-place Swing-Out Rotor, CD650-68

- CD653-10** 1 x 250ml bucket
- CD653-13** 1 x hermetic sealing lid for bucket CD653-10
- CD653-16** 12 x 7ml (12 x 100mm tube) adapter for bucket CD653-10. Max rcf 3005xg
- CD653-25** 7 x 12ml (17 x 100mm tube) adapter for bucket CD653-10. Max rcf 3005xg
- CD653-27** 7 x 15ml* (17 x 120mm conical tube) adapter for bucket CD653-10. Max rcf 3095xg
- CD653-31** 4 x 30ml (25 x 110mm tube/universal) adapter for bucket CD653-10. Max rcf 2898xg
- CD653-33** 2 x 50ml* (29 x 115mm conical tube) adapter for bucket CD653-10. Max rcf 3095xg
- CD653-38** 1 x 250ml cushion/collar (65 x 115mm tube) adapter for CD653-10. Max rcf 3095xg

*These adapters are primarily for use with Falcon-type conical base tubes.

For 2-place Microtitre Plate Rotor, CD650-71

- CD654-19** 1 x carrier which accepts 4 x microtitre plates with lids



CD650

Centrifuges

Hettich Benchtop Centrifuges Rotanta 460/460R

High capacity, standard and refrigerated models for routine clinical chemistry, pharmaceutical development, research and pharmacology.

- ◆ Maximum capacity 4 x 750ml
- ◆ Microprocessor controlled with easy to use touch keypad
- ◆ Digital setting and display of speed or rcf and time (CD725-30 also has temperature setting and display)
- ◆ Adjustable acceleration and brake rates
- ◆ Maintenance free induction drive for smooth and quiet operation
- ◆ Safety features include:
 - rotor recognition
 - overspeed protection
 - imbalance detector
 - motor overheat protection
- ◆ Stainless steel lined chamber and lid
- ◆ Fully automatic lid locking mechanism

Catalogue No.		CD725-10	CD725-30
Model		Rotanta 460	Rotanta 460R
Maximum speed			
Swing-out rotor	rpm	4500	4500
Fixed angle rotor	rpm	15000	15000
Maximum rcf			
Swing-out rotor	xg	4460	4460
Fixed angle rotor	xg	24400	24400
Maximum volume			
Swing-out rotor	ml	4 x 750	4 x 750
Fixed angle rotor	ml	6 x 94	6 x 94
Timer	minutes	1 to 99 and continuous, with pulse key	

Benchtop Centrifuge Rotanta 460

As described. Overall 450 x 550 x 707mm H x W x D. Weight 111kg. For 230V 50/60Hz single phase supplies. 1400W. Without rotor, accessories or tubes.

CD725-10 Rotanta 460

Benchtop Centrifuge Rotanta 460R, refrigerated

As CD725-10 but with integral hermetically sealed cooling unit. Chamber temperature can be set between -20°C and +40°C and a pre-cooling programme can be used to ensure that samples maintain their required temperature when placed into the centrifuge. Overall 450 x 765 x 707mm H x W x D. Weight 142kg. For 230V 50Hz single phase supplies. 1800W. Without rotor, accessories or tubes.

CD725-30 Rotanta 460R

Accessory Swing-out rotors

CD728-60 4-place x 750ml. Without buckets or adapters. Maximum rpm/rcf 4600/5063xg

CD728-67 4-place x 100ml ASTM D96 tubes. Without buckets or adapters. Maximum rpm/rcf 2000/984xg



CD725-10

Accessory Fixed-angle rotors

CD728-72 30-place x 0.4/1.5ml tubes. With lid. Maximum rpm/rcf 15000/24400xg

CD728-79 6-place x 94ml (38 x 106mm) tubes. With lid. Maximum rpm/rcf 11500/18038xg

Accessory Buckets/Adapters/Carriers/Lids

The number of buckets, carriers and adapters must equal the number of rotor places. Supplied singly.

For 4-place Swing-out rotor, CD728-60

CD729-04 1 x 250ml (65 x 115mm tube) rectangular bucket. Maximum rcf 4637xg

CD729-06 1 x Aerosol-tight lid for bucket CD729-04

CD729-07 17 x 15ml (17 x 100mm tube) adapter for bucket CD729-04. Maximum rcf 4637xg

CD729-08 6 x 25ml* (24 x 100mm conical tube) adapter for bucket CD729-04. Maximum rcf 4637xg

CD729-10 3 x 50ml (35 x 105mm tube) adapter for bucket CD729-04. Maximum rcf 4495xg

CD729-13 3 x 85ml (38 x 106mm tube) adapter for bucket CD729-04. Maximum rcf 4495xg

CD729-15 2 x 100ml (44 x 100mm conical tube) adapter for bucket CD729-04. Maximum rcf 4637xg

CD729-17 1 x 250ml (65 x 115mm tube) adapter for bucket CD729-04. Maximum rcf 4495xg

CD729-19 1 x 750ml (97 x 136mm bottle) bucket with lid clamp, for rotor CD728-60. Without lid. Maximum rcf 4779xg

CD729-21 1 x Aerosol-tight lid for bucket CD729-19

CD729-24 1 x 750ml (97 x 136mm tube) adapter for bucket CD729-19. Maximum rcf 4779xg

CD729-40 4 x Microtitre plate carrier with lid, Max rcf 4258xg

CD729-42 4 x Microtitre plate insert for CD729-40. Maximum rcf 5838xg

For 4-place Swing-out rotor, CD728-67

CD729-45 1 x ASTM D96 bucket. Maximum rcf 4779xg

CD729-46 1 x adapter (holds CF380-10) for bucket CD729-45. Maximum rcf 984xg

CD729-47 1 x adapter (holds CF380-14) for bucket CD729-45. Maximum rcf 961xg

CD729-48 1 x adapter (holds PE814-24) for bucket CD729-45. Maximum rcf 961xg

For 30-place Fixed-angle rotor, CD728-72

CD729-50 1 x 0.4ml tube insert adapter. Maximum rcf 24400xg

CD594-07 1 x 0.5/0.8ml tube insert adapter

For 6-place Fixed-angle rotor, CD728-79

CD729-68 1 x 15ml* (17 x 120mm conical tube) adapter

CD729-70 1 x 30ml (26 x 95mm tube) adapter. Maximum rcf 16560xg

CD729-74 1 x 50ml (29 x 107mm tube) adapter. Maximum rcf 17743xg

*These adapters are primarily for use with Falcon-type conical base tubes.



CD725-30 in use

Centrifuges

Gerber Centrifuges

Gerber Centrifuge, Universal

Highly flexible, easy to use, dairy testing centrifuge with push-button operation and LCD display.

- ◆ Speed range 200 to 1300rpm
- ◆ Four, pre-selectable, precisely monitored speeds for specific tests:
 - Gerber fat test using butyrometers (350xg)
 - Solubility index test in milk powders (164xg)
 - Fat extraction according to Mojonnier (80xg)
 - Custom speed set by the user
- ◆ 0 to 255 minute timer with automatic brake at end of timed period
- ◆ Safety features include lid interlock and imbalance detector
- ◆ Alternative model available with precise chamber heating up to +65°C and preheating facility

As described. With robust steel outer casing, lid with interlock and LCD display of speed, time (and temperature when option fitted). Supplied with 12-place universal swing-out rotor. Overall 640 x 640 x 450mm W x D x H. Weight 47kg unheated model, 52kg heated model. For 230V 50/60Hz single phase supplies. Without buckets or heating module.

DA450-40 Universal centrifuge, unheated

DA450-50 Universal centrifuge, with heated chamber

Accessory Buckets for rotor

Stainless steel. Supplied singly.

DA454-25 Butyrometer bucket, 26mm i.d.

DA454-27 Solubility Index tube bucket, 31mm i.d.

DA454-29 Mojonnier bucket with holder

Gerber Centrifuge, Micro III

For small-scale determination of fat levels in milk and dairy products. Fixed speed, providing 350xg r.c.f. with automatic brake and rotor imbalance detection. Microprocessor controlled, with digital setting and readout of time (0 to 60 minutes) and chamber temperature (ambient +5 to +65°C) with selectable preheating. Supplied with rotor to hold 8 x butyrometer tubes, steel outer casing and lid interlock which prevents opening whilst the rotor is spinning. Overall 430 x 460 x 280mm W x D x H. Weight 20kg. For 230V 50/60Hz single phase supplies.

DA460-15 Micro III centrifuge

Solubility Index and Mojonnier tubes are available – *details on request.*



DA450-40



DA460-15

Centrifuge Tubes

Microcentrifuge Tubes up to 5ml Capacity

Reference Code:

B = Brand

C = Corning

E = Elkay

Materials Code:

Pp = Polypropylene

St = Sterilin

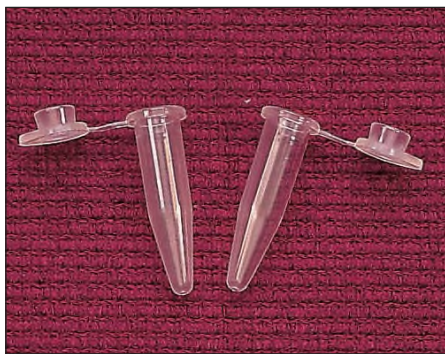
All tubes have rim and are natural colour unless otherwise stated.

Catalogue No.	Capacity	Material	RCF (xg)	Cap type	Self standing	Sterile	Ref.	Qty.
CF300-34	500µl	Pp	20000	Captive plug	—	—	E (M050)	1000
CF300-38	600µl	Pp*	20000	Captive plug	—	—	E (M069)	500
CF304-15	1.5ml	Pp	13000	Captive screw	—	✓	C (430909)	500
CF306-07	1.5ml	Pp	10000	Captive plug	—	—	—	1000
CF306-10	1.5ml	Pp	16000	Captive plug	—	—	E (M150)	1000
CF306-17	1.5ml	Pp*	20000	Captive plug	—	—	B (7805 40)	1000
CF306-26	1.5ml (Blue)	Pp	20000	Captive plug	—	—	E (M152)	1000
CF306-27	1.5ml (Green)	Pp	20000	Captive plug	—	—	E (M153)	1000
CF306-29	1.5ml (Red)	Pp	20000	Captive plug	—	—	E (M157)	1000
CF308-45	2.0ml	Pp	13000	Screw	✓	✓	C (430917)	500
CF308-49	2.0ml	Pp*	20000	Captive plug	—	—	E (M209)	250
CF308-53	2.0ml	Pp*	20000	Captive plug	—	—	E (M209D)	500
CF310-10	5.0ml	Pp	25000	Captive plug	—	—	B (7805 55)	250

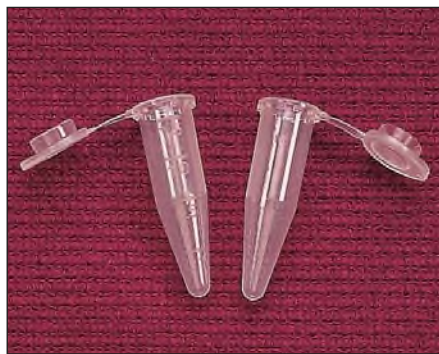
*Low-adhesion resin which is DNase- and RNase-free.

Microcentrifuge tube filters – see *FC860- to FC890-series*.

Thin-walled microtubes and PCR tubes – see *Molecular Biology section*.



CF300-34, CF300-38 are similar



CF306-07 to CF306-17, CF310-10 are similar



CF308-45



CF304-15



CF306-26 to CF306-29 in use with SM575



CF308-49I-53

Centrifuge Tubes

10 to 15ml Capacities

Reference Code:

C = Corning
D = DWKLS (formerly Scilabware)
E = Elkay
St = Sterilin

Materials Code:

Bs = Pyrex borosilicate glass
MPs = Modified polystyrene
PET = Polyethylene terephthalate

Pp = Polypropylene
Ps = Polystyrene
SI = Soda-lime glass

Caps Code:

F = Flat top rim seal type
P = Plug seal type
S = Screw type
W = Write-on panel

All tubes have rim unless otherwise specified. Graduations are moulded-in, unless otherwise specified.

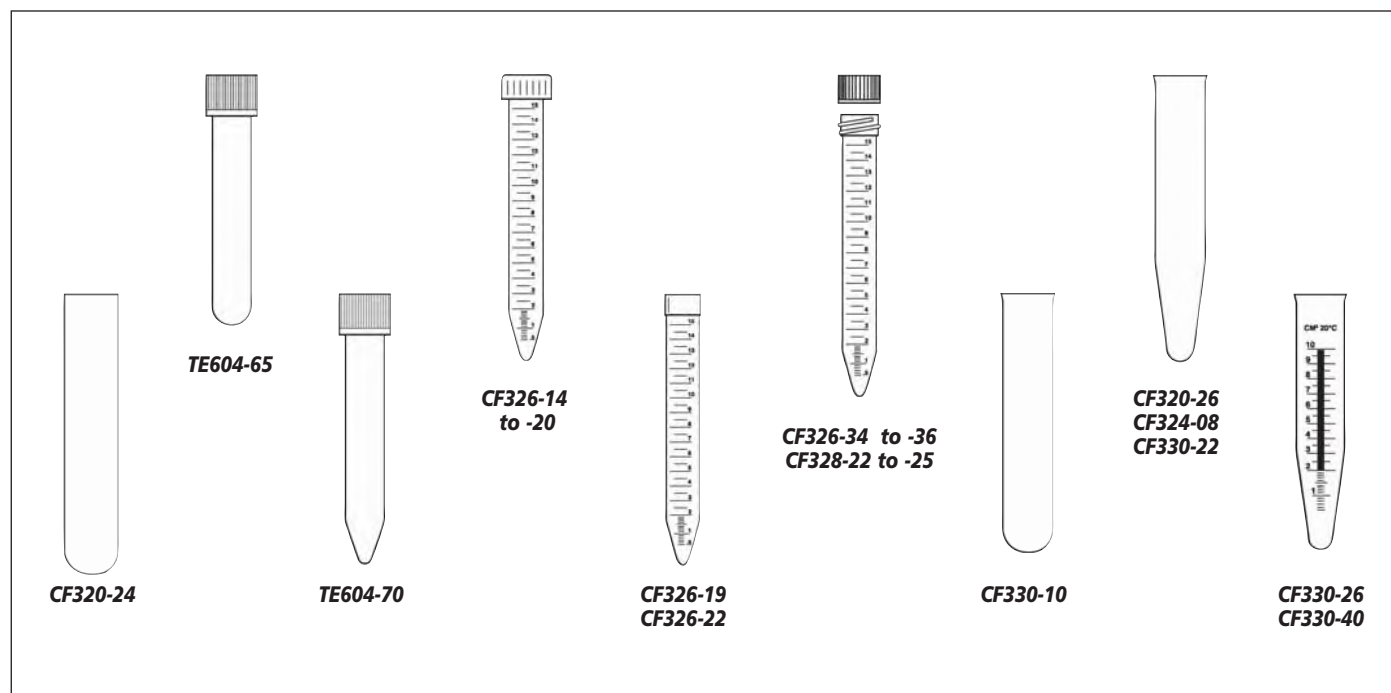
Cat. No.	Capacity	Material	Shape	RCF (xg)	Grad.	L x dia. (mm)	Cap	Sterile	Ref.	Qty.
CF320-24	10ml	Bs	Straight rimless	3000	—	90 x 16	—	—	S (1660/02)	Each
CF320-26	12ml	Bs	Conical	3000	—	110 x 17	—	—	S (1680/02)	Each
CF324-08	12ml	Ps	Conical	6000	—	105 x 16	—	—	—	2000
TE604-65	13.5ml	Ps	Straight	8000	—	100 x 16	S	✓	St (142AS)	450
TE604-70	13.5ml	Ps	Conical	8000	—	100 x 16	S	✓	St (144AS)	450
CF326-14	15ml	PET	Conical	3600	✓	122 x 23	P	✓	C (430055)	500*
CF326-15	15ml	PET	Conical	3600	✓	122 x 23	P	✓	C (430053)	500
CF326-19	15ml	Pp	Conical	12500	✓	122 x 23	FW	✓	C (430790)	500*
CF326-20	15ml	Pp	Conical	12000	✓	122 x 23	P	✓	C (430052)	500*
CF326-22	15ml	Pp	Conical	6250	✓	118 x 17	—	—	E (151)	1000
CF326-34	15ml	Pp	Conical	12000	✓	120 x 17	F, S	—	—	500
CF326-36	15ml	Pp	Conical	12000	✓ (printed)	120 x 17	F, S	✓	—	500**
CF328-22	15ml	Pp	Conical	8965	✓ (printed)	120 x 17	F, S	✓	—	500
CF328-25	15ml	Pp	Conical	6000	✓ (printed)	120 x 17	F, S	—	—	500
CF330-10	15ml	SI	Straight	1300	—	111 x 17	—	—	—	Each
CF330-22	15ml	SI	Conical	1300	—	111 x 17	—	—	—	Each
CF330-26	15ml	SI	Conical	1300	✓	111 x 17	—	—	—	Each
CF330-40	15ml	Bs	Conical	3000	✓	110 x 17	—	—	D (3460/02)	Each

*Supplied in racks of 50 within the outer pack quantity.

**Supplied in bags of 25 within the outer pack quantity.

SAFETY NOTE

Relative centrifugal force (RCF) figures stated are maxima in ideal environmental conditions. The mechanical strength of tube materials can vary with exposure to certain reagents or with temperature changes. Care should be taken when using tubes at or near their operating limit.



Centrifuge Tubes

25 to 500ml Capacities, for Nalgene Plastic Tubes - see next page

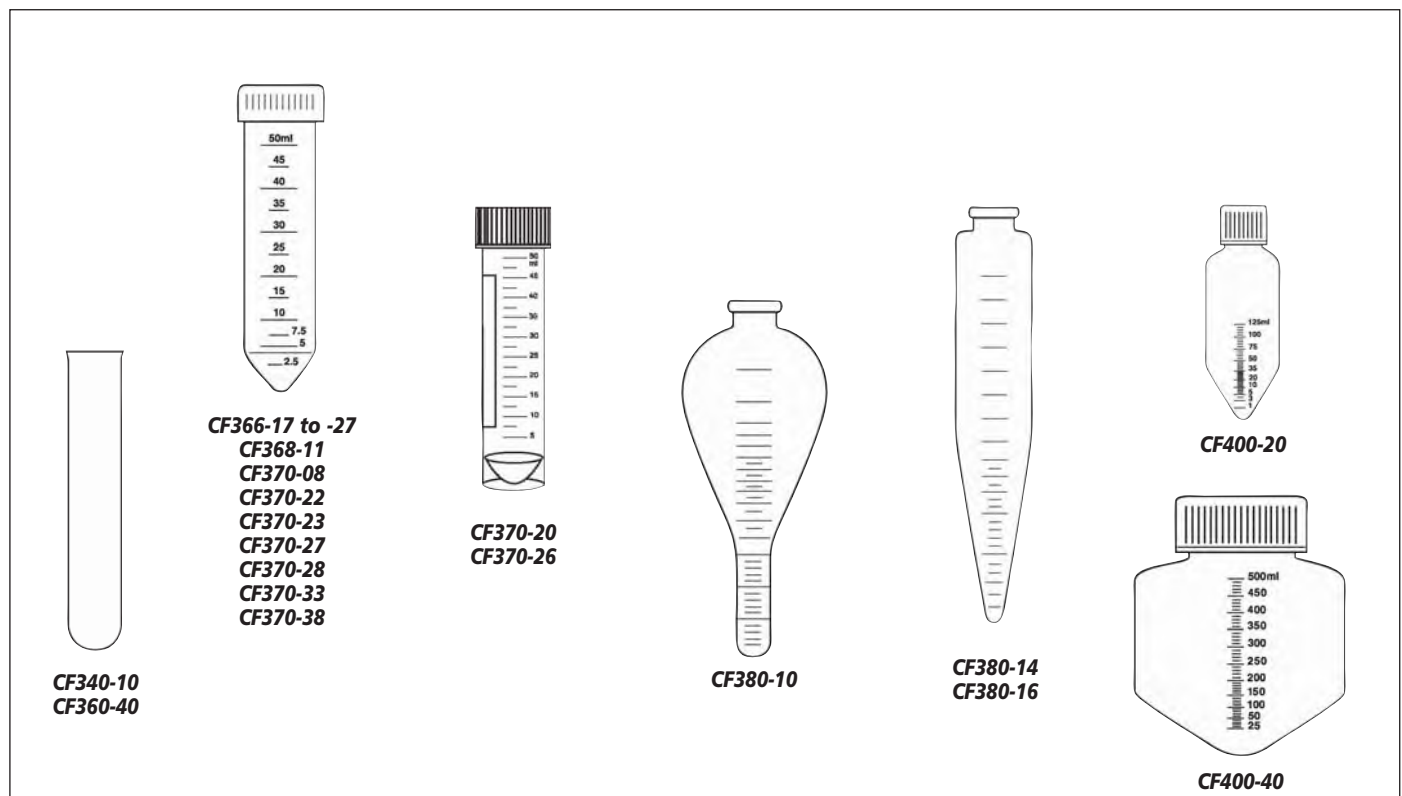
All tubes have rim unless otherwise specified. Graduations are moulded-in, unless otherwise stated.

Cat. No.	Capacity	Material	Shape	RCF (xg)	Grad.	L x dia. (mm)	Cap	Sterile	Ref.	Qty.
25 and 45ml capacity										
CF340-10	25ml	Bs	Straight	3000	—	90 x 24	—	—	S (1660/06)	Each
CF360-40	45ml	Bs	Straight	3000	—	90 x 30	—	—	S (1660/08)	Each
50 and 100ml capacity										
CF366-17	50ml	Pp	Conical	8965	✓ (printed)	115 x 30	F, S	✓	—	500
CF366-27	50ml	Pp	Conical	6000	✓ (printed)	115 x 29	F, S	—	—	500
CF368-11	50ml	Pp	Conical	9400	✓ (printed)	116 x 28	S	—	—	500
CF370-08	50ml	PET	Conical	3600	✓	116 x 29	P	✓	C (430304)	500 [†]
CF370-20	50ml	Pp	Conical self-standing	3000	✓ (printed)	116 x 29	P	✓	C (430897)	500
CF370-22	50ml	Pp	Conical	15500	✓ (printed)	116 x 29	P	✓	C (430290)	500 [†]
CF370-23	50ml	Pp	Conical	15500	✓	116 x 29	P	✓	C (430291)	500
CF370-26	50ml	Pp	Conical self-standing	3000	✓ (printed)	116 x 29	FW	✓	C (430921)	500
CF370-27	50ml	Pp	Conical	17000	✓ (printed)	116 x 29	FW	✓	C (430829)	500
CF370-28	50ml	Pp	Conical	17000	✓ (printed)	116 x 29	FW	✓	C (430828)	500 [†]
CF370-33	50ml	Pp	Conical	12000	✓ (printed)	114 x 30	F/S	—	—	500
CF380-10	100ml	Bs	Pear	1500	✓	ASTM D96	—	—	D (3440/02)	Each
CF380-14	100ml	Bs	Conical (200mm)	2500	✓	ASTM D96	—	—	D (3450/02)	Each
CF380-16	100ml	Bs	Conical (167mm)	1700	✓	ASTM D96	—	—	—	Each
250 and 500ml capacity										
CF400-20	250ml	Pp	Conical	6000	✓	172 x 60	P	✓	C (430776)	102
CF400-26	250ml	PEI (polyetherimide) cushion for CF400-20							C (430236)	6
CF400-40	500ml	Pp	Conical	6000	✓	147 x 96	P	✓	C (431123)	36
CF400-46	500ml	PEI (polyetherimide) cushion for CF400-40							C (431124)	6

[†]Supplied in racks of 25 within the outer pack quantity.

SAFETY NOTE

Relative centrifugal force (RCF) figures stated are maxima in ideal environmental conditions. The mechanical strength of tube materials can vary with exposure to certain reagents or with temperature changes. Care should be taken when using tubes at or near their operating limit.



Centrifuge Tubes

Nalgene Tubes and Bottles

All dimensions and capacities are nominal.

Conical, polypropylene, graduated, rimless

Autoclavable. For non-refrigerated low speeds up to 6000xg. Supplied in packs of 10.

	Ref. 3103-	Cap. ml	L x dia. mm
CF604-22	0015	15	119 x 17
CF604-32	0050	50	134 x 28.5

Conical, polycarbonate, graduated, rimless

Transparent, autoclavable. For low speeds up to 6000xg. Supplied in packs of 10.

	Ref. 3105-	Cap. ml	L x dia. mm
CF608-18	0015	15	120.2 x 17
CF608-28	0050	50	135 x 29

Straight, polypropylene, rimless

Autoclavable. For non-refrigerated speeds up to 50000xg. Supplied in packs of 10.

	Ref. 3110-	Cap. ml	L x dia. mm
CF640-16	0120	12	103 x 16
CF640-18	0150	15	114 x 16
CF640-20	0160	16	100 x 18
CF640-34	0500	50	103 x 28.7

Straight, polycarbonate, rimless

Transparent, autoclavable. For use at speeds up to 50000xg. Supplied in packs of 10.

	Ref. 3117-	Cap. ml	L x dia. mm
CF655-16	0120	12	104 x 16
CF655-18	0150	15	114.5 x 16
CF655-20	0160	16	101 x 18
CF655-34	0500	50	104 x 29.5

Bottles, polycarbonate

Transparent, autoclavable. With polypropylene narrow mouth screw cap. Supplied in packs of 4.

Maximum speed ratings:

250ml	-	27500xg
500ml	-	13700xg
1000ml	-	7100xg

	Ref. 3122-	Cap. ml	L x dia. mm
CF830-20	0250	250	128 x 62
CF830-30	0500	500	170 x 69.5
CF830-40	1000	1000	188.4 x 97.6

Important Warning Sterilising Centrifuge Ware

Some tubes and bottles where indicated can be sterilised by autoclaving. However BEFORE AUTOCLAVING (or sterilising by gas or dry heat) the cap or closure must either be removed or just set on top of the container WITHOUT ENGAGING THE THREAD.

Nalgene Oak Ridge Tubes

All dimensions and capacities are nominal.

All tubes are autoclavable and can be used in refrigerated and non-refrigerated centrifuges up to 50000xg.

Supplied with non-contaminating screw cap without liner which is leakproof during ordinary use outside the centrifuge.

Length x diameter:

10ml	81 x 16mm
30ml	95 x 26mm
50ml	107 x 29mm

Polycarbonate, transparent, with polypropylene screw cap

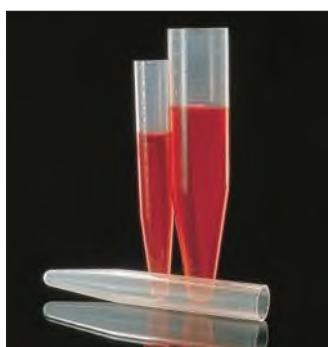
	Ref. 3118-	Cap. ml	Pack qty.
CF900-10	0010	10	10
CF900-30	0030	30	10
CF900-45	0050	50	10

Polyallomer, transparent, with polypropylene screw cap

	Ref. 3119-	Cap. ml	Pack qty.
CF915-10	0010	10	10
CF915-30	0030	30	10
CF915-45	0050	50	10

PTFE/FEP, with ETFE screw cap

	Ref. 3114-	Cap. ml	Pack qty.
CF935-10	0010	10	2
CF935-18	0030	30	2
CF935-25	0050	50	2



CF604



CF608



CF655



CF900



CF640



CF830



CF915, CF935 is similar

По вопросам продаж и поддержки обращайтесь:

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Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
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Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
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