

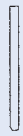

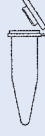


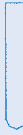



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Centrifuge comparison by model and tube capacity



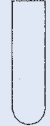


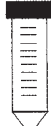


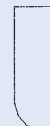
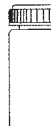






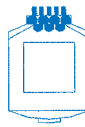




Description	Micro-haematocrit	Reaction vial	Reaction vial	Hemolysis	Glass
Capacity		0.25/0.5 ml	1.5/2.2 ml	5 ml	7 ml
Dimensions	Ø 1.4 X 75 mm	Ø 6,3/7 X 47/49 mm	Ø 10.7/13 X 42 mm	Ø 12.5 X 75 mm	Ø 12 X 100 mm
					
Description			Tube RIA	Tapval or VAC tube	
Capacity			5 ml	5 ml	
Dimensions			Ø 12 X 55/75 mm	Ø 12 X 75/80 mm	
					

SUMMARY TABLE OF CENTRIFUGES BY MODEL IN RELATION TO VOLUME, CAPACITY SPEED AND MAXIMUM RCF (G). *QUICK OVERVIEW*

Model	Part No.	Max. Volume ml	Max. Volume of tube ml	R.p.m. max.	R.c.f. max. (xg)					
Manual	7000014	30	15	1500	360					
	7000015	60	15	1500	360					
	7000016	2 x butyrometer	–	1500	370					
Centrom I	7002239	12	1,5	14500	14000		12	12		
Centrom II	7002240	90	15	4000	1760					
Centro 4-BL	7002560	20	5	5000	2907				4	
Centro 8-BL	7002356	120	15	5000	2515				8	8
Centrolit II-BL	7002357	40.5	2.2	12000	14103	24	18	18		
Centromix II-BL	7002555	120	25	4400	2601				8	4
Mixtasel-BL	7002575	400	100	4200	2901				20 16	20
Centronic BL-II	7001668	400	100	13500	19048	24	40	30	20 16	20
Centrifriger BL-II	7001669	400	100	15300	23550	24	40	30	20 16	20
Meditronic BL-S	7001376	800	200	11000	12619			30 48	48 28	48
Medifriger BL-S	7001377	800	200	15000	23470					
Macrotronic BL	7001385	2000	500	10000	12296			80	80 48	96
Macrofriger BL	7001386			12000	17706					
Macrofriger BL-B	7001390	9600	1000	4070	5370					144

See page 127 for tubes and accessories. Tubes supplied as an accessory unless stated.

Plastic with cap	Glass	Glass	Plastic with cap	Glass	Falcon	Glass	Bottle	Glass	Bottle	Bottle	Butyrometer	ASTM
10 ml	15 ml	25 ml	30 ml	50 ml	50 ml	100 ml	200 ml	250 ml	500 ml	1000 ml		
Ø 16.1 X 81.1 mm	Ø 16 X 100 mm	Ø 24 X 100 mm	Ø 25.3 X 92 mm	Ø 34 X 100 mm	Ø 29.5/35 X 117 mm	Ø 44/45 X 100 mm	Ø 56.5 X 104 mm	Ø 56 X 147 mm	Ø 69 X 159 mm	Ø 98/100 X 160-175 mm		Ø 58 X 158 mm
												
Tapval or VAC tube	Falcon				Plastic with cap				Blood bag	Microtiter		ASTM
10 ml	15 ml				80/85 ml				500/600 ml	6x96		100 ml
Ø 16 X 100 mm	Ø 16/23 X 120 mm				Ø 38 X 112 mm					Ø 85 X 130 mm		Ø 37 X 200 mm
												
	2 4										2	
	6 6											
	8											
4	8	4										
16	18 16	8	8	8	4	4						
10 16	18 16	8	8	8	4	4						
10 16	18 16	8	8	8	4	4						
20 28	28 12	8	6	8	4 6	6	4			6x96		
20 68	68 16	36	20	16	8 6	4	4	4	4	12x96		4 4
	102	54		24		12	6		6 12	6		



Hand operated centrifuges

FEATURES

For 15 ml and butyrometer tubes.
Comes with a table holding clamp.
Adaptable heads for 2 or 4 x 15 ml tubes or for 2 butyrometer tubes.

MODELS

Part No.	Comes with head for	Max. speed r.p.m.	Max. R.c.f.	Weight Kg
7000014	2 tubes	1500	360	1.1
7000015	4 tubes	1500	360	1.2
7000016	2 butyrometers	1500	370	1.2

Comes with head and metal buckets.



ADDITIONAL ACCESSORIES

Head for two tubes.

Part No. **7000017**

Head for four tubes.

Part No. **7001388**

Bucket for 15 ml tubes.

Part No. **7001500**

Head for two butyrometers.

Part No. **7000018**



Microcentrifuge "Cencom I"

FOR MICROTUBES OF 2,0 - 1,5 - 0,5 AND 0,2 ML.

DIGITAL ELECTRONIC CONTROL OF SPEED AND TIME. ADJUSTABLE SPEED UP TO 14000 r.p.m.

FEATURES

ABS external case.
Maintenance free induction drive motor.
Rubber suspended motor which reduces the vibrations.
High speed microcentrifuge that minimizes the samples over temperature.
Extremely quiet operation.
For 12 microtubes with identification code.
Polycarbonate upper lid.
Peephole on the lid to visualize the centrifuge inside.

CONTROL PANEL

Start switch.
Push button Start/Stop.
LCD display indicating time and speed.
Time selector push button.
Speed selector push button.
Push button ▲ increase different parameters.
Push button ▼ decrease different parameters.
Push button motor drive rotation for quick acceleration Short/Spin.
Push button open lid when cycle has ended.

NEW



MODEL

Part No.	Tubes capacity	Height/ Width/ Depth (exterior) cm	Max. speed r.p.m.	R.c.f.(xg)	Power W	Time selected	Weight Kg
5059600	12	15 21 25	14500	14000	105	till 99' 99"	4

Comes complete with 12 adapters of 1,5-0,5 and 0,2ml.



Centrifuge Angle rotor "Cencom II"

WITH ANGLE ROTOR FOR 6 X 15 ml TUBES AND 6 ADDITIONAL ADAPTERS FOR 15 ML FALCON TUBES.

DIGITAL ELECTRONIC CONTROL OF SPEED AND TIME. ADJUSTABLE SPEED UP TO 4000 r.p.m. (1790 R.c.f.)

SAFETY:

SAFETY ACCORDING TO EN. 61010.2.020 SAFETY MICRO-SWITCH THAT DISCONNECTS THE POWER TO THE MOTOR WHEN THE LID IS OPENED.
PROTECTIVE FUSE LOCATED AT THE BACK OF THE INSTRUMENT.

APPLICATIONS

General laboratory use and teaching.

FEATURES

External case made from coated ABS plastic.
Rubber suspended motor, reduces any motor vibrations.
Fixed angle 6 place rotor with identification code.
Transparent polycarbonate lid that allows the user to see inside the centrifuge.
Speed selection from 1000 to 4000 r.p.m. in 500 r.p.m. steps.
Time selection from 1' to 60' in steps of 1'.

CONTROL PANEL

Digital display of speed and time.
Push button Start-Stop.
Push button selector for speed and time.
Push button increase value.
Push button decrease value.

Cross section view of the angle rotor showing bucket and bucket support.



MODEL

Part No.	Tube capacity ml	Height/Ø (exterior) cm	Max. speed r.p.m.	Max. R.c.f.	Power W	Weight Kg
7002240	6 x 15	28 26	4000	1760	80	4.5

Supplied complete with 6 x 15 ml tubes with adapters and 6 adapters for 15 ml Falcon tubes.

ACCESSORY

Adapter. Suitable for 12 Ø x 75 mm VAC tubes.
Rotor capacity, 6 adapters.
Part No. **1001556**



Digital microprocessor controlled Centrifuges, Series BL



- INDUCTION DRIVE, MAINTENANCE FREE (NO CARBON BRUSHES).
- SPEED CONTROL BY VARIABLE FREQUENCY SYSTEM.
- RELIABLE FUNCTIONS AND REPEATABILITY.
- LOGICAL EASY TO USE CONTROL PANEL.
- SUSPENDED, DAMPENED VIBRATION FREE MOTOR DRIVE, GUARANTEES SMOOTH OPERATION.
- QUIET OPERATION, INTERNAL INSULATION WHICH ABSORBS NOISE AND VIBRATIONS.
- SUCTION SUPPORT FEET THAT PREVENTS BENCH CREEP.

SAFETY:

AUTOMATICALLY STOPS IF OUT OF BALANCE.
LID CANNOT BE OPENED IF THE MOTOR IS RUNNING.
SYSTEM CANNOT BE STARTED IF THE LID IS OPEN.
SPEED LIMITED BY EACH ROTOR.

THREE DIFFERENT CONTROL SYSTEMS: **A** Digital, **B** and **C**, by microprocessor.



CENTROLIT II-BL - CENTRO 4-BL - CENTRO 8-BL
CENTROMIX II-BL - MIXTASEL-BL



CENTRONIC BL-II - CENTROFRIGER BL-II



MEDITRONIC BL-S - MEDIFRIGER BL-S - MACROTRONIC BL - MACROFRIGER BL - MACROFRIGER BL-BLOOD





CENTRIFUGES

Marked as diagnostic Medical Devices (Directive 93/42/CE) and for "In vitro" I V D (Directive 98/79/CE)



MEDICAL CENTRIFUGES

J.P. SELECTA, S.A, is certified by TÜV Rheinland, according to the ISO 13485, for the design and manufacture of centrifuges used to obtain autologous extract of blood tissue, adipose and bone marrow.

These centrifuges models are used in the sanitary, cosmetic and plastic surgery fields. They are an important help for serious injuries treatment and for damages tissues regeneration.

From the models:

CENTROMIX II-BL CENTRIFUGE	Part No. 7002555
CENTRO-4-BL CENTRIFUGE	Part No. 7002560
CENTRO-8-BL CENTRIFUGE	Part No. 7002356

and from different rotors and adapters configurations, we offer the possibility of manufacturing an OEM centrifuge which complies with your demands and marked as sanitary products.

"IN VITRO" MEDICAL CENTRIFUGES

J.P. SELECTA S.A has the manufacture's license on the following models, issued by the Spanish Agency for the Regulation of Medicines and Sanitary Products (5733-PS), for manufacture centrifuges of medical use and "in vitro" analysis.

MEDITRONIC-BL-S CENTRIFUGE	Part No. 7001376
MEDIFRIGER-BL-S CENTRIFUGE	Part No. 7001377
CENTRONIC-BL-II CENTRIFUGE	Part No. 7001668
CENTROFRIGER-BL-II CENTRIFUGE	Part No. 7001669
CENTROLIT II-BL CENTRIFUGE	Part No. 7002357
MIXTASEL-BL CENTRIFUGE	Part No. 7002575

CENTRIFUGES ELECTRONIC DIGITAL CONTROL

“Centrolit II-BL”, “Centro-4-BL”, “Centro-8-BL”, “Centromix II-BL” and “Mixtasel-BL” with induction drive maintenance free motor.

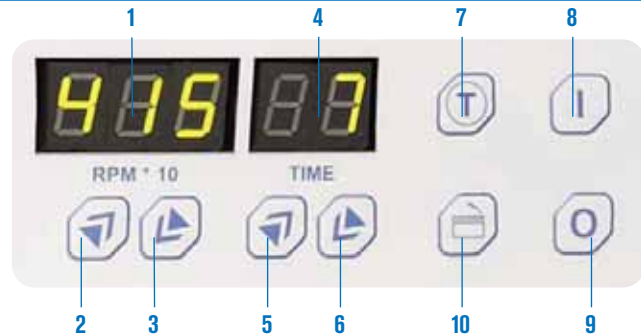


SAFETY:
 UNE-EN 61010.2.020. ELECTROMAGNETIC LID LOCK, PREVENTS THE OPENING OF THE CENTRIFUGE IF THE ROTOR IS IN MOTION.
 PREVENTS THE STARTING OF THE MOTOR IF THE LID IS OPEN. ROTOR AND BUCKETS ARE IDENTIFIED BY LASER SIGNAL.
 AUTOCLAVABLE.

COMMON FEATURES

- Electronic control with digital display of speed and time, with acceleration and brake ramp.
- Timer controllable from 1' to 60' or continuous operation.
- Rubber suspended motor that guarantees a smooth operation.
- Digital speed display.
- Pulse button, that drives the motor while pressed.
- Automatic stop if out of balance, with indicator light.
- Suction base supports that adhere to the work bench surface.
- Quiet operation, insulated interior that absorbs noise and vibrations.
- In the case of mains failure, manual open override aperture.
- Noise level 50-60dBA.

Rotors and buckets with laser identification.
Autoclavable.



CONTROL PANEL

1. Speed display.
2. Push button increase speed.
3. Push button reduce speed.
4. Run Time display.
5. Push button increase run time.
6. Push Button decrease run time.
7. Push button pulse start (RUN/STOP).
8. Push button start.
9. Push button stop.
10. Push button open lid.



Centrifuge “Centrolit II-BL”

SUITABLE FOR HAEMATOCRIT AND SMALL VIALS OF 0.25/0.5 ml AND TUBES OF 1.5/2.2 ml.
FREE MAINTENANCE INDUCTION DRIVE MOTOR.

“in vitro” diagnostic
 medical devices I V T



ABS plastic moulded external case.



MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7002357	27	18 x 1.5 / 2.2 ml	20 28 34	200	6.5

SPARES. Tubes (see page 127).

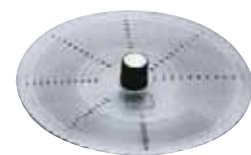
ACCESSORIES

Interchangeable rotors made of hardened anodised aluminium. Autoclavable.

Part No. head	Rotor type	Volume rotor	Tube capacity maximum	Max. R.p.m.	Max. R.c.f. (xg)
7001704	Micro-haematocrit	-	24 x 1.4 mm Ø	12000	13143
7001703	Angle+lid	40.5 ml	18 x 0.25/0.5 ml + 18 x 1.5/2.2 ml	12000	14103

Angle rotors supplied without tubes.

Micro-haematocrit rotor supplied with one box of 100 tubes.



Micro-haematocrit reader.
 Suitable for micro-haematocrit rotor 7001704.
 Part No. **7000929**



Centrifuge "Centro-4-BL"

WITH SWINGOUT HEAD FOR 4 TUBES OF 75 X 13 mm VAC.
FREE MAINTENANCE INDUCTION DRIVE MOTOR.

This model can be marked as
medical device



Control panel features (see page 111).

Centrifuge kit for separating plasma rich platelets from whole blood.



MODEL

Part No.	Height / Width / Depth (exterior) cm	Power W	Max. R.p.m.	Max. R.c.f. (xg)	Weight Kg
7002560	20 28 34	170	5000	2907	6

Rotor comes without tubes.

ABS plastic moulded external case.



Centrifuge "Centro-8-BL"

WITH ANGLE ROTOR FOR 7-15 ml TUBES AND 75 X 13 mm VAC (WITH ADAPTERS).
FREE MAINTENANCE INDUCTION DRIVE MOTOR.

This model can be marked as
medical device



Control panel features (see page 111).



ABS plastic moulded external case

MODEL

Part No.	Max. Volume ml.	Tube capacity	Height / Width / Depth (exterior) cm	Power W	Max. R.p.m.	Max. R.c.f. (xg)	Weight Kg
7002356	120	8 x 15 ml	20 28 34	170	5000	2515	6.5

Supplied complete with 8 x 15 ml glass tubes.

ACCESSORIES

Bucket adapter for 7 ml tubes.
Rotor capacity: 8 adapters.
Part No. **7000700**

Bucket adapter for 75 x 13 mm VAC. tubes.
Rotor capacity: 8 adapters.
Part No. **1001557**

SPARES. Tubes (see page 127).



Centrifuge "Centromix II-BL"

WITH A CHOICE OF ROTORS AND INTERCHANGEABLE ADAPTERS.
FREE MAINTENANCE INDUCTION DRIVE MOTOR.

This model can be marked as
medical device



Control panel features (see page 111).



MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7002555	120	4 x 25 ml	23 30 35	180	12

External DUR-AL case, with AISI 304 stainless steel bowl.

ACCESSORIES

Rotors and interchangeable buckets and adapters.

Part No. head	Rotor type	Part No. bucket	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
7000550	Angle	-	120 ml	8 x 15 ml	16.5 x 100	4400	2063
7001065	Swing out	-	-	-	-	-	-
	Swing out	7001066	100 ml	1 x 25 ml	24 x 100	4400	2601
	Swing out	7001067	60 ml	1 x 15 ml	16.5 x 100	4400	2601
7001065	Swing out	7001068	28 ml	1 x 7 ml	12 x 100	4400	2601
	Swing out	7001573	40 ml	2 x 5 ml VAC	13 x 75	4400	2163
	Swing out	7001070	60 ml	VAC	16 x 100	4400	2601
	Swing out	7001072	-	undrilled	-	4400	2601



Note: All buckets and adapters come without tubes unless stated, see page 127 for tubes and accessories.



Centrifuge "Mixtasel-BL"

MAINTENANCE FREE INDUCTION DRIVE MOTOR.



Polyvalent with rotors and interchangeable adapters

Control panel features (see page 111).



NEW DESIGN

External case of DUR-AL alloy with ABS plastic coated front AISI 304 stainless steel bowl.

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7002575	400	4 x 100 ml	29 39 44	210	22

ACCESSORIES

Interchangeable angle rotors with lids, made of hardened anodised aluminium. Rotors come with identification system. Autoclavable rotors and buckets.

Part No. head	Rotor type	Max. volume	Tube capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
7001705	Angle+lid	270 ml	18 x 15 ml	16.5 x 100	4200	2669
7001711	Angle+lid	400 ml	8 x 50 ml	34 x 100	4200	1921



7001705



7001711

Tube adapters for rotor Part No. 7001711

Part No.

7001707 for 50 ml plastic tubes (29 Ø x 103 mm).

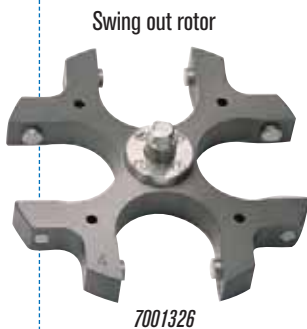
7001708 for 25 ml glass tubes (24 Ø x 100 mm).

7001709 for 30 ml plastic tubes (25 Ø x 92 mm).

7001710 for 15 ml glass tubes (16.5 Ø x 100 mm).

Swing out rotor, interchangeable buckets and adapters each with identification code. Autoclavable.

BUCKETS



Swing out rotor

7001326



7001700

7000793

7000794

7000795

7000796

7000797

7000930

7000931

7001073

7001074

7000798



7001315

Sealed bucket with hermetically sealed lid.

ADAPTERS



7001316

7001317

7001318

7001319

7001320

7001321

7001322

Part No. Rotor	Rotor type	Part No. bucket	Sealed bucket	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)	
7001326	Swing out	7001700	-	-	400 ml	1 x 100 ml	44 x 104	4200	2901	
	Swing out	7000793	-	-	200 ml	1 x 50 ml	34 x 100	4200	2901	
	Swing out	7000794	-	-	100 ml	1 x 25 ml	24 x 100	4200	2901	
	Swing out	7000795	-	-	240 ml	4 x 15 ml	16.5 x 100	4200	2901	
	Swing out	7000796	-	-	140 ml	5 x 7 ml	12 x 100	4200	2901	
	Swing out	7000797	-	-	100 ml	5 x 5 ml	12.5 x 75	4200	2441	
	Swing out	7000930	-	-	240 ml	4 x 15 ml Falcon	16.5 x 120	4200	3030	
	Swing out	7000931	-	-	200 ml	1 x 50 ml Falcon	30 x 117	4200	3030	
	Swing out	7001073	-	-	16 VAC	4 VAC*	16 x 100	4200	2901	
	Swing out	7001074	-	-	16 VAC	4 VAC*	13 x 75	4200	2441	
	Swing out	7000798	-	-	undrilled	-	-	4200	2901	
	Swing out	-	7001315	100 ml glass tube**	-	400 ml	1 x 100 ml	44 x 104	4200	2901
	Swing out	-	7001315	-	7001316	200 ml	1 x 50 ml	34 x 100	4200	2901
	Swing out	-	7001315	-	7001317	100 ml	1 x 25 ml	24 x 100	4200	2901
	Swing out	-	7001315	-	7001318	240 ml	4 x 15 ml	16.5 x 100	4200	2901
	Swing out	-	7001315	-	7001319	140 ml	5 x 7 ml	12 x 100	4200	2901
	Swing out	-	7001315	-	7001320	100 ml	5 x 5 ml	12.5 x 75	4200	2901
Swing out	-	7001315	-	7001321	64 ml	4 VAC*	13 x 75	4200	2901	
Swing out	-	7001315	-	7001322	undrilled	-	-	4200	2901	

*VAC(r): Blood tube with cap (bung).

**Sealed bucket part no. 7001315 accommodates a 100 ml glass tube without the need of an adapter.

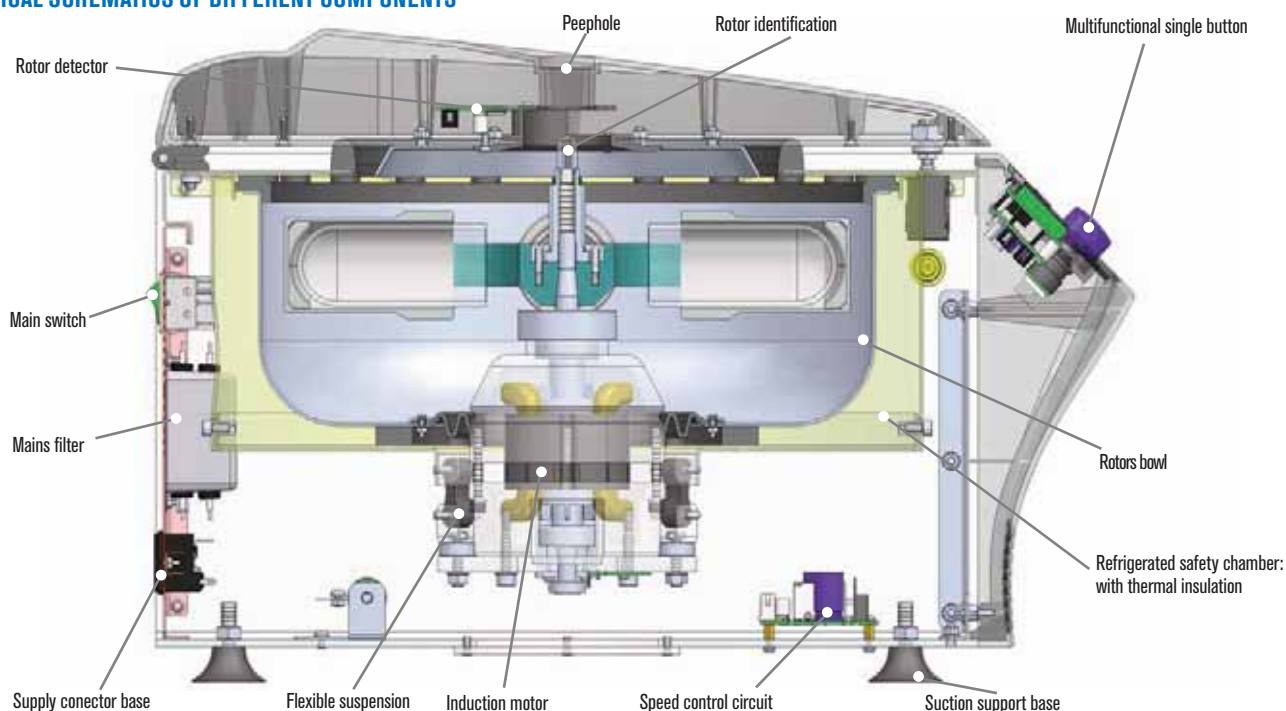
Note: All buckets and adapters come without tubes unless stated, see page 127 for tubes and accessories.



MICROPROCESSOR CONTROLLED CENTRIFUGES "Centronic BL-II" and "Centrofriger BL-II"



TECHNICAL SCHEMATICS OF DIFFERENT COMPONENTS



COMMON FEATURES

Induction drive maintenance free motor.

Low noise level 50-60 dBA.

Robust all metal construction:

- External case made from DUR-Al alloy.
- Internal bowl and top plate all stainless steel
- Internal steel safety chamber within the case.

Electronic circuits, microprocessor digital control of all parameters and functions: speed, acceleration, brake, RCF, temperature, timer, 10 program storage, automatic rotor recognition and alarm system.



Rotor identification head, when the centrifuge lid is closed the rotor communicates all the data of the functions of it. This prevents, before use, any risk of failure of using the wrong rotor in a program or exceeding the rotors running parameters. The advantage of this system is that we can add additional rotors to the range without changing the centrifuge model.

All Rotors, buckets and adapters are identified with an inalterable engraved laser code.

Air circulation system, to limit any excessive rise in temperature within the centrifuge, all air circulated within the chamber is channelled out of the back and is not re-circulated, this means that the centrifuges internal temperature will remain low and constant.

Hermetically sealed compressor, mounted on anti-vibration mounts with re-circulating evaporator around the centrifuge chamber. (only applies to refrigerated centrifuges).

MONO single button programming:

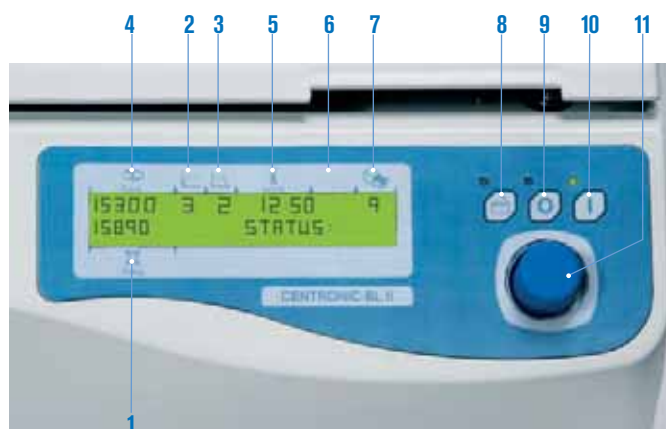
- | | | |
|-----------------------------|----------------------------|---------------------|
| - Speed | - RCF | - Acceleration ramp |
| - Deceleration ramp (brake) | - Time | - Temperature |
| - Configuration °C/°F | - Temperature calibration. | |

ALARM

Informs of a fault:

- POWER FAIL** Power failure during the run.
- ROTOR FAIL** Fault in reading the rotor identification.
- DOOR OPEN** Lid open- not closed properly.
- UNBALANCED** Out of balance, adjust distribution of tubes.
- EEPROM FAIL** Set parameters failed to be recognised.
- CONTROL FAIL** Speed detector indicator failure.
- OVER TEMP** Over set temperature value.

CONTROL PANEL



- | | |
|--|----------------------------|
| 1. R.c.f. | 7. Memory. |
| 2. Acceleration ramp. | 8. Open lid. |
| 3. Brake ramp. | 9. Stop. |
| 4. Speed. | 10. Start. |
| 5. Timer from 1' to 59' 59". | 11. Single button control. |
| 6. Temperature (Refrigeration model only). | |

CONTROL PANEL INFORMATION LCD display of 2 x 20 characters that permanently show the running conditions of the machine.

STATUS	Status.
STOP	Stop.
START	Starts the run.
STANDBY	Wait, standby.
STORED	Stores the last set of parameters.
CONFIG	Sets the program parameters.
PROGRAM	Select stored program.
RAMP	Centrifuge accelerating to set speed.
SET SPEED	Centrifuge is running at set speed.
BRAKE	Centrifuge is slowing down in deceleration phase.
ROTOR X PRG	The selected program does not match the installed rotor.
PROGRAM TIME	Informs that a time needs to be set to operate.



High speed centrifuges with microprocessor control “Centronic BL-II” and “Centrifriger BL-II”

“in vitro” diagnostic
medical devices I V T



Versatile. Large range of rotors and adapters. Maintenance free induction motor drive.



Model “Centronic BL-II”

MODEL

Part No.	Max. Volume ml	Max. number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001668	400	4 x 100 ml	34 41 54	440	22

Control panel features (see page 115).
External case of DUR-AL alloy with ABS plastic coated front AISI 304 stainless steel bowl.



Model “Centrifriger BL-II” refrigerated, temperature range 0 °C to 30 °C.

MODEL

Part No.	Max. Volume ml	Max. number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001669	400	4 x 100 ml	34 41 71	960	39

Note: The rotor being used limits the actual temperature in the chamber due to the speed and ambient temperature. Internal temperature indicated on the LCD display.

ACCESSORIES

Angle rotors with lid, made of anodised hardened aluminium with identification system. All rotors are autoclavable.



7001670

7001324

7001706



7001325



7001323



7001671



7001672



7001673



7001408 With calculator reader

Tube adapters for rotor Part No. 7001706

Part No.

7001707 for plastic tubes, 50 ml (29 Ø x 103 mm).

7001708 for glass tubes, 25 ml (24 Ø x 100 mm).

Part No.

7001709 for plastic tubes, 30 ml (25 Ø x 92 mm).

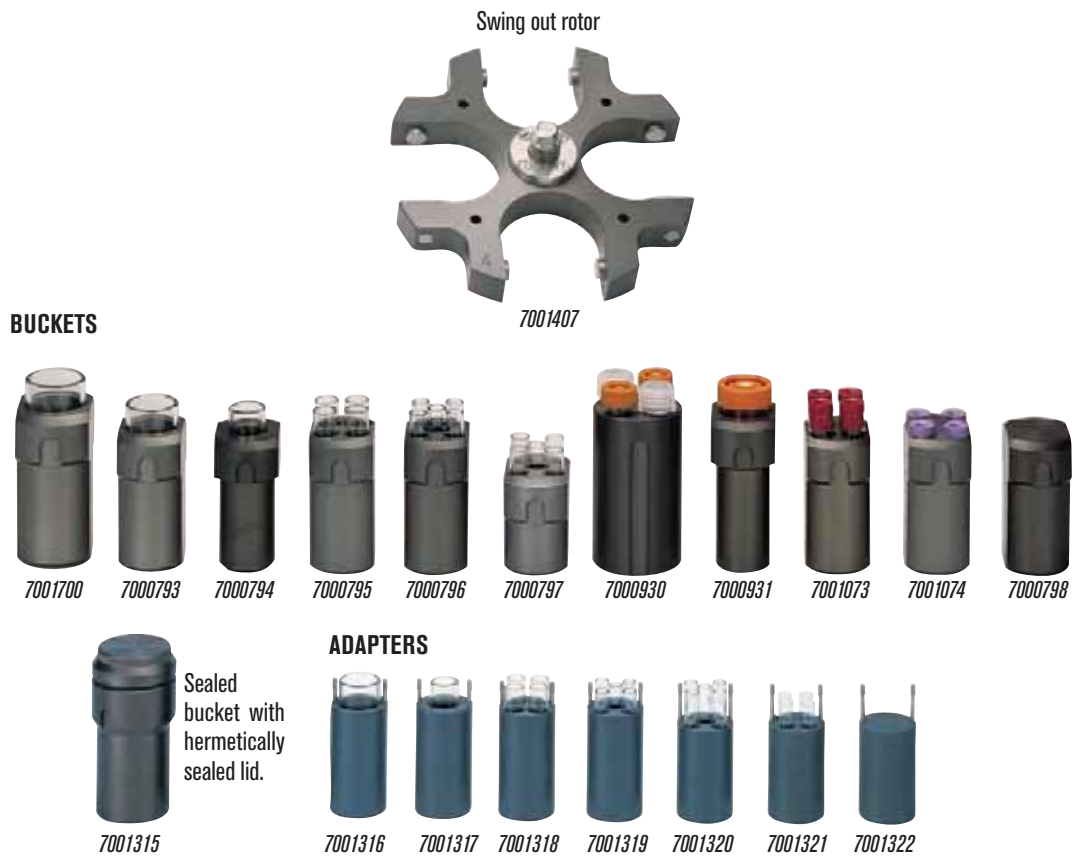
7001710 for glass tubes, 15 ml (16.5 Ø x 100 mm).

Part No. head	Rotor type	Max. volume	Tubes capacity	Ø x Length mm	CENTRONIC BL-II		CENTROFRIGER BL-II	
					Max. R.p.m	Max. R.c.f. (xg)	Max. R.p.m	Max. R.c.f. (xg)
7001670	Angle+lid	270 ml	18 x 15 ml	16.5 x 100	4200	2669	4200	2669
7001706	Angle+lid	400 ml	8 x 50 ml	34 x 100	6000	3920	6000	3920
7001325	Angle+lid	500 ml	6 x 50 ml	29 x 103	13500	18844	15300	24204
7001324	Angle+lid	180 ml	6 x 30 ml	25 x 92	13500	15890	15300	20410
7001323	Angle+lid	100 ml	10 x 10 ml	16 x 80	13500	18335	15300	23550
7001671	Angle+lid	40.5 ml	18x0.25/0.5 ml + 18x1.5/2.2 ml	-	13500	15992	15300	20541
7001672	Angle+lid	60 ml	40 x 0.25/0.5 ml	-	13500	13298	15000	20120
7001673	Angle+lid	45 ml	30 x 1.5/2.2 ml	-	13500	19048	15000	23716
7001408	Angle+lid	Microhaematocrit	24	1.4 x 75	12000	15935	12000	15935

Note: All buckets and adapters come without tubes unless stated, see page 127 for tubes and accessories.

ACCESSORIES

Swing out rotor with interchangeable sealed buckets and adapters, each with identification code. Autoclavable.



Part No. head	Rotor Type	Part No. bucket	Sealed bucket	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)	
7001407	Swing out	7001700	-	-	400 ml	1 x 100 ml	44 x 104	5000	4137	
	Swing out	7000793	-	-	200 ml	1 x 50 ml	34 x 100	5000	4137	
	Swing out	7000794	-	-	100 ml	1 x 25 ml	24 x 100	5000	4137	
	Swing out	7000795	-	-	240 ml	4 x 15 ml	16.5 x 100	5000	4137	
	Swing out	7000796	-	-	140 ml	5 x 7 ml	12 x 100	5000	4137	
	Swing out	7000797	-	-	100 ml	5 x 5 ml	12.5 x 75	5000	3318	
	Swing out	7000930	-	-	240 ml	4 x 15 ml Falcon	16.5 x 120	5000	4109	
	Swing out	7000931	-	-	200 ml	1 x 50 ml Falcon	30 x 117	5000	4109	
	Swing out	7001073	-	-	16 VAC	4 VAC*	16 x 100	5000	4137	
	Swing out	7001074	-	-	16 VAC	4 VAC*	13 x 75	5000	3318	
	Swing out	7000798	-	-	undrilled	-	-	5000	4137	
	Swing out	-	7001315	100 ml glass tube**	-	400 ml	1 x 100 ml	44 x 104	5000	4137
	Swing out	-	7001315	7001316	-	200 ml	1 x 50 ml	34 x 100	5000	4137
	Swing out	-	7001315	7001317	-	100 ml	1 x 25 ml	24 x 100	5000	4137
	Swing out	-	7001315	7001318	-	240 ml	4 x 15 ml	16.5 x 100	5000	4137
	Swing out	-	7001315	7001319	-	140 ml	5 x 7 ml	12 x 100	5000	4137
	Swing out	-	7001315	7001320	-	100 ml	5 x 5 ml	12.5 x 75	5000	4137
	Swing out	-	7001315	7001321	-	64 ml	4 VAC*	13 x 75	5000	4137
	Swing out	-	7001315	7001322	-	undrilled	-	-	5000	4137

*VAC(r): Blood tube with cap.

**Sealed bucket part no. 7001315 accommodates a 100 ml glass tube without the need of an adapter.

Micro-haematocrit rotor comes with a box of 100 tubes and calculus graph.

Note: All buckets and adapters come without tubes unless stated, see page 127 for tubes and accessories.



Microprocessor controlled centrifuges “Meditronic BL-S”, “Medifriger BL-S”, “Macrotronic BL” y “Macrofriger BL”



COMMON FEATURES

Induction drive maintenance free motor.

Low noise level 50-60dBa.

Robust all metal construction:

- External case made from DUR-Al alloy.
- Internal bowl and top plate all stainless steel
- Internal steel safety chamber within the case.

Electronic circuits, microprocessor digital control of all parameters and functions: speed, acceleration, brake, RCF, temperature, timer, 10 program storage, automatic rotor recognition and alarm system.



Rotor identification head, when the centrifuge lid is closed the rotor communicates all the data of the functions of it. This prevents, before use, any risk of failure of using the wrong rotor in a program or exceeding the rotors running parameters. The advantage of this system is that we can add additional rotors to the range without changing the centrifuge model.

All Rotors, buckets and adapters are identified with an inalterable engraved laser code.

Air circulation system, for centrifuges without refrigeration to limit any excessive rise in temperature within the centrifuge, all air circulated within the chamber is channelled out of the back and is not re-circulated, this means that the centrifuges internal temperature will remain low and constant.

Hermetically sealed compressor, mounted on anti-vibration mounts with re-circulating evaporator around the centrifuge chamber. (only applies to refrigerated centrifuges).

CONTROL PANEL INFORMATION LCD display of 2 x 20 characters that permanently show the running conditions of the machine.

STATUS	Status.
STOP	Stop.
START	Starts the run.
STANDBY	Wait, standby.
STORED	Stores the last set of parameters.
CONFIG	Sets the program parameters.
PROGRAM	Select stored program.
RAMP	Centrifuge accelerating to set speed.
SET SPEED	Centrifuge is running at set speed.
BRAKE	Centrifuge is slowing down in deceleration phase.
ROTOR X PRG	The selected program does not match the installed rotor.
PROGRAM TIME	Informs that a time needs to be set to operate.

ALARM

Informs of a fault:

POWER FAIL	Power failure during the run.
ROTOR FAIL	Fault in reading the rotor identification.
DOOR OPEN	Lid open- not closed properly.
UNBALANCED	Out of balance, adjust distribution of tubes.
EEPROM FAIL	Set parameters failed to be recognised.
CONTROL FAIL	Speed detector indicator failure.
OVER TEMP	Over set temperature value.

CONTROL PANEL



1 2 3 4 16 5 6 7 9 8 10 11 13 12 14 15

- | | |
|--|---|
| 1. R.c.f. | 9. Cursor. |
| 2. Acceleration ramp. | 10. Push button increase/decrease set or value. |
| 3. Brake ramp. | 11. Validation. |
| 4. Speed. | 12. Open lid. |
| 5. Timer from 1' to 59' 59". | 13. Program. |
| 6. Temperature (Refrigeration model only). | 14. Stop. |
| 7. Memory | 15. Start. |
| 8. Configuration. | 16. LCD Display. |





High speed centrifuges with microprocessor control “Meditronic-BL-S” and “Medifriger-BL-S”

“in vitro” diagnostic
medical devices I V T



Capacity up to 800 ml. Maintenance free induction motor drive.

Control panel features (see page 118).
External case made of DUR-AL alloy with an AISI 304
stainless steel bowl.



Model “Meditronic-BL-S”

Model “Medifriger-BL-S” refrigerated, temperature range 0 °C to 30 °C.

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001376	800	4 x 200 ml	38 46 52	520	44

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001377	800	4 x 200 ml	38 68 52	1230	70

Note: The rotor being used limits the actual temperature in the chamber due to the speed and ambient temperature. Internal temperature indicated on the LCD display.

ACCESSORIES

Angle rotors with lid, made of anodised hardened aluminium with identification system. All rotors are autoclavable.



7000741



7000742



7000743



7001449



7001448



7001447



7001446



7001445



7001444

Part No. head	Rotor type	Max. volume	Tube capacity	Ø x Length mm	MEDITRONIC BL-S		MEDIFRIGER BL-S	
					Max. R.p.m	Max. R.c.f. (xg)	Max. R.p.m	Max. R.c.f. (xg)
7000741	Angle+lid	600 ml	6 x 100 ml	44 x 104	4500	3170	4500	3170
7000742	Angle+lid	400 ml	8 x 50 ml	34 x 100	4600	3075	4600	3075
7000743	Angle+lid	360 ml	24 x 15 ml	16.5 x 100	4800	3761	4800	3761
7001449	Angle+lid	510 ml	6 x 85 ml	38 x 105	8000	6868	12000	15455
7001448	Angle+lid	400 ml	8 x 50 ml	29 x 103	8000	7802	12000	15938
7001447	Angle+lid	180 ml	6 x 30 ml	25 x 92	9000	7424	14000	17965
7001446	Angle+lid	200 ml	20 x 10 ml	16 x 80	9000	8964	11000	13390
7001445	Angle+lid	100 ml	10 x 10 ml	16 x 80	9000	7293	15000	20124
7001444	Angle+lid	45 ml	30 x 1.5/2.2 ml	-	11000	12619	15000	23470

Note: All buckets and adapters come without tubes unless stated, see page 127 for tubes and accessories.

ACCESSORIES

Swing out rotor with interchangeable sealed buckets and adapters, each with identification code. Autoclavable.



Part No. head	Rotor type	Bucket open	Sealed bucket	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
	Swing out	7000731	7000732	Bottle 200 ml 5715202**	800 ml	1 x 200 ml	56.6 x 104	5000	4137
	Swing out	7000731	7000732	7000733	400 ml	1 x 100 ml	44 x 104	5000	4137
	Swing out	7000731	7000732	7000734	200 ml	1 x 50 ml	34 x 100	5000	4137
	Swing out	7000731	7000732	7000935	200 ml	1 x 50 ml Falcon	30 x 117	5000	4137
	Swing out	7000731	7000732	7001645	240 ml	2 x 30 ml	25 x 92	5000	4137
	Swing out	7000731	7000732	7000735	200 ml	2 x 25 ml	24 x 100	5000	4137
	Swing out	7000731	7000732	7000736	420 ml	7 x 15 ml and VAC*	16.5 x 100	5000	4137
7009079	Swing out	7000731	7000732	7000934	180 ml	3 x 15 ml Falcon	16.5 x 120	5000	4137
	Swing out	7000731	7000732	7001646	-	4 x 17 Ø x 110 mm	-	5000	4137
	Swing out	7000731	7000732	7001647	240 ml	6 x 10 ml	17 x 110	5000	4137
	Swing out	7000731	7000732	7000737	336 ml	12 x 7 ml	12 x 100	5000	4137
	Swing out	7000731	7000732	7000738	240 ml	12 x 5 ml	12.5 x 75	5000	4137
	Swing out	7000731	7000732	7001648	140 ml	7 x 5 ml and VAC*	13 x 75	5000	4137
	Swing out	7000731	7000732	7000739	144 ml	12 x 3 ml	11 x 100	5000	4137
	Swing out	7000731	7000732	7000740	-	undrilled	-	5000	4137
7000609	Swing out	-	-	-	-	6 x 96 microtiter	-	4200	2702

*VAC: Blood tube with stopper.

** Bucket part nos. 7000731 and 7000732 accommodate 1 x 200 ml polypropylene bottle with cap without the need of an adapter.

Note: All buckets and adapters come without tubes unless stated, see page 127 for tubes and accessories.



Microprocessor controlled Centrifuge “Macrotronic-BL” and “Macrofriger-BL”



Multi-capability. Capacity from 1.5/2.2 ml vials up to tubes of 500 ml and 500ml blood bags.

Maintenance free induction motor drive.

Control panel features (see page 118).

External case made of DUR-AL alloy with an AISI 304 stainless steel bowl.



Model “Macrotronic-BL”

Model “Macrofriger-BL” refrigerated, temperature range 0 °C to 30 °C.

MODEL

Part No.	Max. volume ml	Max. No. of bags	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001385	2000	4 x 500 ml	45 60 66	720	76

MODEL

Part No.	Max. volume ml	Max. No. of bags	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001386	2000	4 x 500 ml	97 60 66	1230	156

Note: The rotor being used limits the actual temperature in the chamber due to the speed and ambient temperature. Internal temperature Indicated on the LCD display.

ACCESSORIES

Angle rotors with lid, made of anodised hardened aluminium with identification system. All rotors are autoclavable.



7001650



7001651



7001652



7001653



7001654



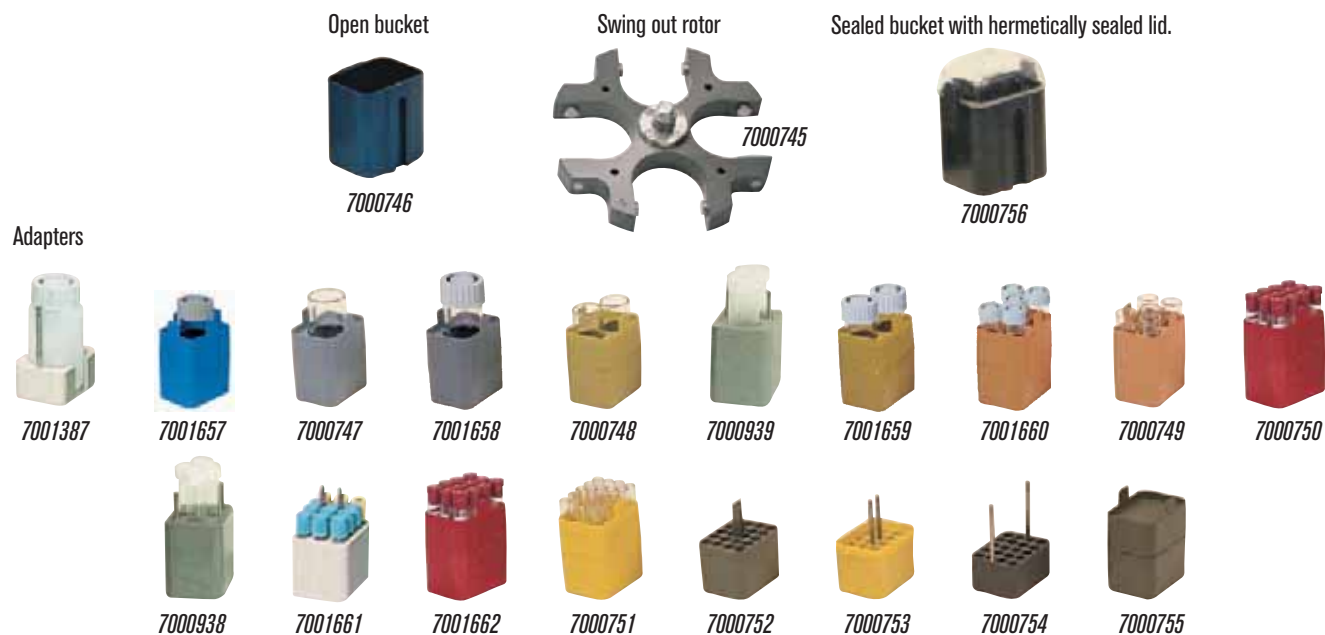
7000561



7000560

Part No. head	Rotor type	Max. volume	Tube capacity	Ø x Length mm	MACROTRONIC BL		MACROFRIGER BL	
					Max. R.p.m	Max. R.c.f. (xg)	Max. R.p.m	Max. R.c.f. (xg)
7000561	Angle+lid	600 ml	12 x 50 ml	34 x 100	4530	3785	4530	3785
7000560	Angle+lid	840 ml	56 x 15 ml	16.5 x 100	4030	3268	4030	3268
7001650	Angle+lid	1500 ml	6 x 250 ml	62 x 122	8000	10373	9000	13129
7001651	Angle+lid	510 ml	6 x 85 ml	38 x 105	10000	10731	12000	15452
7001652	Angle+lid	400 ml	8 x 50 ml	29 x 103	10000	11066	12000	15935
7001653	Angle+lid	360 ml	12 x 30 ml	25 x 92	10000	12296	12000	17706
7001654	Angle+lid	200 ml	20 x 10 ml	16 x 80	10000	11066	12000	15935

Swing out rotor with interchangeable sealed buckets and adapters, each with identification code. Autoclavable.



Part No. head	Rotor type	Bucket open	Sealed bucket	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
7000745	Swing out	7000746	7000756	7001387	800 ml	1 x 200 ml	56.6 x 104	5000	4615
	Swing out	7000746	7000756	7001657	500 ml	1 x 125 ml	51 x 115	5000	4615
	Swing out	7000746	7000756	7000747	400 ml	1 x 100 ml	44 x 104	5000	4615
	Swing out	7000746	7000756	7001658	320 ml	1 x 80 / 85 ml	38 x 105	5000	4615
	Swing out	7000746	7000756	7000748	400 ml	2 x 50 ml	34 x 100	5000	4615
	Swing out	7000746	7000756	7000939	400 ml	2 x 50 ml Falcon	30 x 117	5000	4615
	Swing out	7000746	7000756	7001659	400 ml	2 x 50 ml	29 x 103	5000	4615
	Swing out	7000746	7000756	7001660	600 ml	5 x 30 ml	25 x 92	5000	4615
	Swing out	7000746	7000756	7000749	500 ml	5 x 25 ml	24 x 100	5000	4615
	Swing out	7000746	7000756	7000750	720 ml	12 x 15 ml	16.5 x 100	5000	4615
	Swing out	7000746	7000756	7000750	720 ml	12 VAC*	16.5 x 100	5000	4615
	Swing out	7000746	7000756	7000938	240 ml	4 x 15 ml Falcon	16.5 x 120	5000	4615
	Swing out	7000746	7000756	7001661	-	12 VAC*	13 x 75	5000	4615
	Swing out	7000746	7000756	7001662	480 ml	12 x 10 ml	16.8 x 85	5000	4615
	Swing out	7000746	7000756	7000751	560 ml	20 x 7 ml	12 x 100	5000	4615
	Swing out	7000746	7000756	7000752	400 ml	20 x 5 ml	12.5 x 75	5000	4615
	Swing out	7000746	7000756	7000753	240 ml	20 x 3 ml	11 x 100	5000	4615
	Swing out	7000746	7000756	7000754	120 ml	20 de 1.5 / 2.2 ml	-	5000	4615
Swing out	7000746	7000756	7000755	undrilled	-	-	5000	4615	

*VAC: Blood tube with stopper.

Note: All buckets and adapters come without tubes unless stated, see page 127 for tubes and accessories.

ACCESSORIES



Part No. head	Rotor type	Bucket open	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
7001450	swing out	7001451	7001395	2000 ml	1 x 500 ml	70 x 165	3200	2358
	swing out	7001451	7001655	1000 ml	1 x 250 ml	62 x 122	3200	2358
	swing out	7001451	7001396	800 ml	1 x 200 ml	56.6 x 104	3200	2358
	swing out	7001451	7001397	800 ml	2 x 100 ml	44 x 104	3200	2358
	swing out	7001451	7001398	800 ml	4 x 50 ml	34 x 100	3200	2358
	swing out	7001451	7001399	900 ml	9 x 25 ml	24 x 100	3200	2358
	swing out	7001451	7001400	1020 ml	17 x 15 ml	16.5 x 100	3200	2358
	swing out	7001451	7001401	672 ml	24 x 7 ml	12 x 100	3200	2358
	swing out	7001656	-	-	3 plates x 96 microtiter	-	3200	2117



Part No. head	Rotor type	Open Bucket	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
7000552	swing out	7000763	1000 ml	1 x 250 ml	56 x 147	3520	3567
	swing out	7001075	4 x 1 ASTM	1 x ASTM cylindrical	36 x 200	3720	3567
	swing out	7000764	4 x 1 ASTM	1 x ASTM pear shaped	58 x 158	3720	3567

Note: All buckets and adapters come without tubes unless stated, see page 127 for tubes and accessories.



Refrigerated high capacity microprocessor controlled centrifuge suitable for tubes, flasks and blood bags "Macrofriger-BL-Blood"

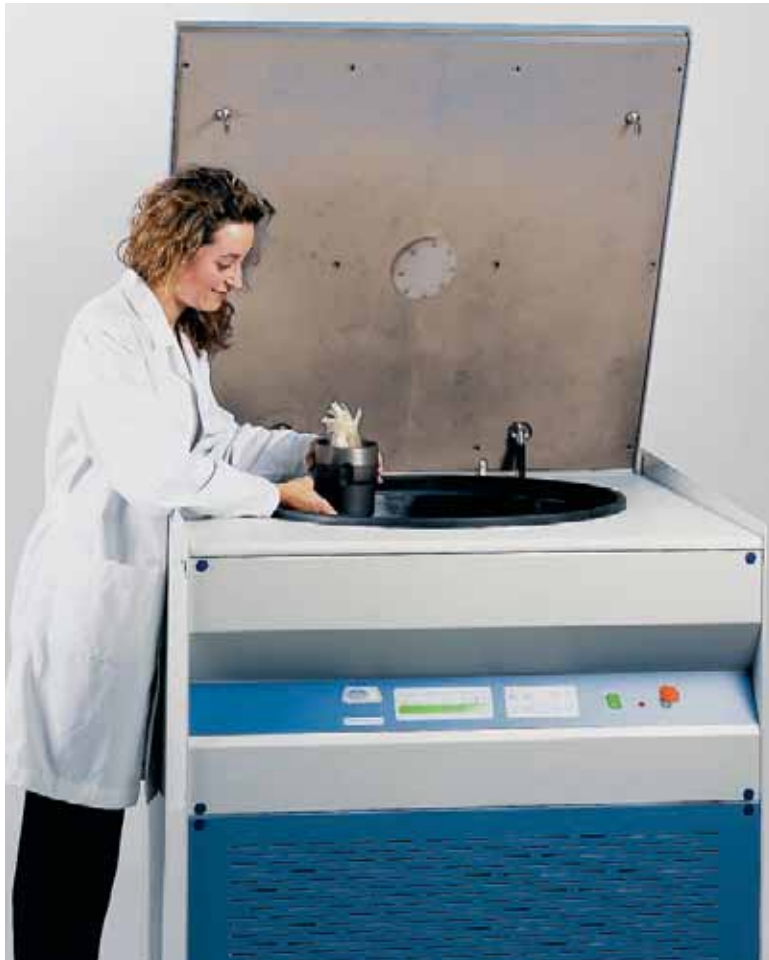
CONTROLLABLE TEMPERATURES FROM 4 TO 40 °C.

CAPACITY FOR FLASKS UP TO 1000 ml AND ESPECIALLY FOR TRIPLE AND QUAD BLOOD BAGS FROM 500-800 ml.

MAXIMUM CAPACITY 12 BAGS.

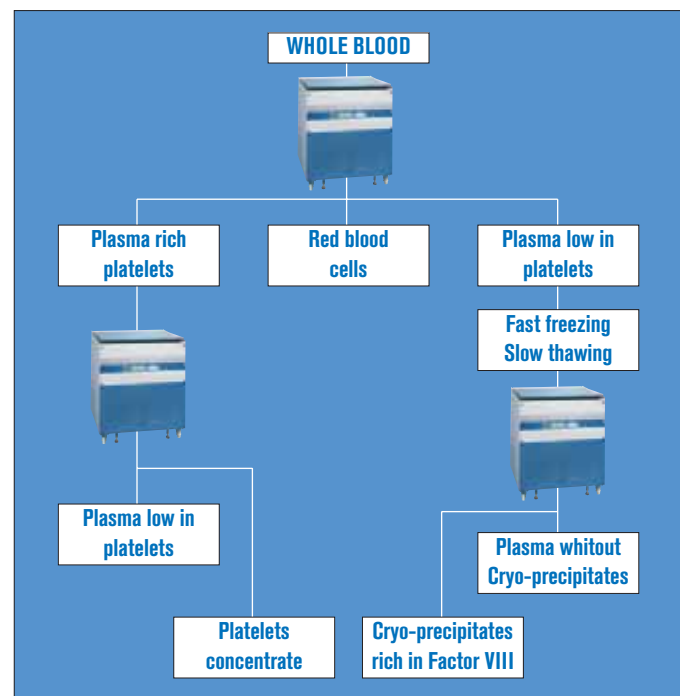


Original J.P. Selecta design. With maintenance free induction drive motor

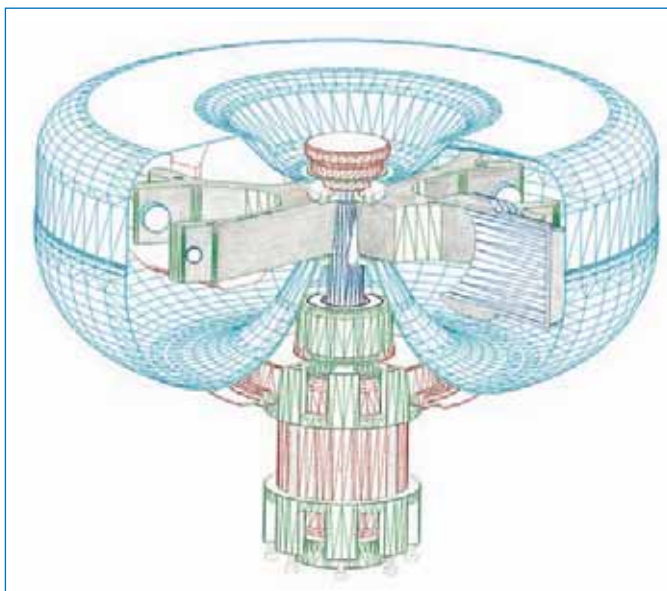


APPLICATIONS

Specially designed for blood bank applications, where repeatability, precision and reliability of: speed, time, temperature, acceleration and deceleration are significant factors in obtaining perfect separations of the distinct blood fractions.



Serology investigations.
Molecular biology.
Serum separation, pharmaceutical applications.



Cross-section of the motor, rotor drive mechanism, showing the windshield protector with lid that reduces the air resistance and maintains a regulated temperature.

FEATURES

- Case: internal structure of tubular steel with lateral Dur-al supports.
- Internal Stainless steel bowl .
- Aluminium windshield protector.
- Safety shield: 8 mm thick steel.
- Swing-out rotor, buckets and adapters made of high-density material, engraved identification unalterable.
- Suspended motor with silent-block and shock absorbers that guarantee smooth, quiet operation without vibrations.
- Drive force: equipped with an induction drive maintenance free and highly efficient pollution free motor.
- Semi-hermetically sealed, compressor pollution free with no hydrocarbons or fluorocarbons.
- Mounted on an anti vibration adjustable rubber feet.
- Microprocessor digital control of all functions: speed, acceleration, brake, R.C.F., temperature, time, 20 program memory, rotor identification, operation fault alarm.

SAFETY:

**SAFETY, CONFORMS TO UNE-EN 61010-2-020.
PROTECTIVE INTERNAL CYLINDER BETWEEN THE CASE AND BOWL.
THE LID CANNOT BE OPENED WHILE THE ROTOR IS SPINNING.
THE MOTOR CANNOT SPIN WHILE THE LID IS OPEN.**

**IMBALANCE DETECTOR, AUTOMATICALLY STOPS IF THERE IS ANY IMBALANCE.
DOUBLE ELECTROMAGNETIC LID LOCK.
IF THERE IS A POWER FAILURE, A FAIL SAFE SYSTEM CAN BE USED TO
OPEN THE LID.
EMERGENCY STOP BUTTON.**

CONTROL PANEL INFORMATION

LCD display of 2 x 20 characters that permanently show the running conditions of the machine in the form of machine/operator communication.
Message and display:

- STATUS** Machine state,
- STOP** Not running.
- START** Running.
- STANDBY** Waiting for command.
- STORED** Stores the last set of data input into the machine.
- CONFIG** Change the parameter of the machine.
- PROGRAM** Select a pre-stored programme.
- RAMP** The machine is accelerating to its set value.
- SET SPEED** The machine is running at the set speed.
- BRAKE** The machine has finished its run and is now braking.
- ALARM** There is an error:
 - POWER FAIL:** The power was disconnected while in operation.
 - ROTOR FAIL:** The rotor was not identified.
 - DOOR OPEN:** The lid has not been closed properly.
 - UNBALANCED:** The buckets are not well balanced or the tubes are not evenly distributed
 - EEPROM FAIL:** The data or parts of the data have not been programmed.
 - CONTROL FAIL:** The speed detector has failed to read the machine speed.
 - OVER TEMP:** The cooling system is in excess of the set temperature
 - PROGRAM TIME:** The length of time for the run has not been inserted.



Image showing the rotor and double buckets for quad and triple blood bags of 500 and 800 ml.

1. R.C.F.
2. Acceleration ramp.
3. Deceleration ramp.
4. Speed.
5. Time.
6. Temperature.
7. Memory.

8. Configure.
9. Cursor.
10. Increase decrease value.
11. Validate / Confirm settings.
12. Open lid.
13. Program / Stored.
14. Stop.

15. Run / Start.
16. LCD display.
17. Mains switch.
18. Emergency stop.
19. Red Light indicator showing emergency stop.



TECHNICAL SPECIFICATION

Maximum volume:	9600 ml
Maximum bucket volume:	1600 ml
Speed:	from 300 to 4070 r.p.m.
Accuracy:	± 5 r.p.m.
Resolution r.p.m.:	10 r.p.m.
R.C.F.:	from 29 to 5370
Imbalance:	± 5 g
Accuracy:	4 g
Temperature range:	from 0 °C to 40 °C
Temperature stability:	±4 °C
Resolution:	1 °C
Temperature range:	.59 min. 59 sec.
Centrifuge radius:	.290 mm
Acceleration profile:	.5
Brake profile:	.9 linear 6 quadratic
Voltage:	.230/400 three phase.
Power:	.4500 VA

MODEL

Part No.	Max. Volume ml	Max. Capacity	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001390	9600	6 x 1600 ml	105 90 100	5500	420

ACCESSORIES

Swing out rotor 6 place, treated steel.



Part No. **7001391**

Buckets and adapters with engraved identification. Autoclavable.



Buckets with two compartments for blood bags of 500 to 800 ml. For triple and quad bags
Part No. **7001392**

Single bucket.
Capacity: 1 blood bag of 500 to 800 ml or 1 flask of 1 litre or with tube adapters.
Part No. **7001393**



Adapters for single bucket Part No. 7001393.

Bottle



1001394



7001395



7001396



7001397



7001398



7001399



7001400



7001401

Double Bucket	Single Bucket	Part No. adapter	Total max. Volume (6 adapters)	Capacity: bags, tubes by adapter	Ø x Length mm	R.p.m. Min./Max.	R.c.f. (xg) Min./Max.
7001392	-	-	9600 ml	2 bags 500 or 800 ml	-	300/4070	29/5370
-	-	Bottle 1000 ml 1001394	6000 ml	1 bottle 1000 ml or 1 bag	98 x 175	300/4070	29/5370
-	7001393	7001395	3000 ml	1 bottle 500 ml	70 x 165	300/4070	29/5370
-	Capacity	7001396	1200 ml	1 bottle 200 ml	56.6 x 104	300/4070	29/5370
-	without adapter:	7001397	1200 ml	2 tubes 100 ml	44 x 104	300/4070	29/5370
-	1 bag of	7001398	1200 ml	4 tubes 50 ml	34 x 100	300/4070	29/5370
-	500 to 800 ml	7001399	1350 ml	9 tubes 25 ml	24 x 100	300/4070	29/5370
-	or 1x bottle	7001400	1530 ml	17 tubes 15 ml	16.5 x 100	300/4070	29/5370
-	1000 ml	7001401	1008 ml	24 tubes 7 ml	12 x 100	300/4070	29/5370

Note: All buckets and adapters come without tubes unless stated, see page 127 for tubes and accessories. Other adapters can be manufactured to the customers specification.

COMMON ACCESSORIES. Tubes of glass and plastic.

Plastic tubes and flasks with screw cap lids.

Volume ml	Dimensions mm	Type	Part No.	Material	Max. (xg) range	Temperature °C
10	16 Ø x 80	Comecta	5752399	Polypropylene	50000	4 ... 121
		Herolab	5752421	Polypropylene	57000	-180 ... 145
		Herolab	5752401	Polycarbonate	57000	-150 ... 121
30	25 Ø x 92	Comecta	5752398	Polypropylene	50000	4 ... 121
		Herolab	5752955	Polypropylene	64000	-180 ... 145
		Herolab	5752951	Polycarbonate	64000	-150 ... 121
50	29 Ø x 103	Comecta	5752397	Polypropylene	50000	4 ... 121
		Herolab	5753205	Polypropylene	69000	-180 ... 145
		Herolab	5753201	Polycarbonate	69000	-150 ... 121
80	38 Ø x 105	Comecta	5752396	Polypropylene	40000	4 ... 121
		Herolab	5753243	Polypropylene	50000	-180 ... 145
		Herolab	5753241	Polycarbonate	50000	-150 ... 121
200	56.6 Ø x 104	Herolab	5715202	Polypropylene	10000	-180 ... 145
		Herolab	5715203	Polycarbonate	10000	-150 ... 121
250	62 Ø x 122	Comecta	5752395	Polypropylene	13200	4 ... 121
		Herolab	5753411	Polypropylene	33000	-180 ... 145
		Herolab	5753401	Polycarbonate	33000	-150 ... 121
500	70 Ø x 165	Herolab	5753512	Polypropylene	14000	-180 ... 145
		Herolab	5753501	Polycarbonate	14000	-150 ... 121
1000	98 Ø x 175	Herolab	5752571	Polypropylene	4936	-180 ... 145
		Herolab	5752561	Polycarbonate	4936	-150 ... 121



Type HEROLAB polycarbonate tubes transparent Polypropylene tubes translucent. Autoclavable.

Type COMECTA polypropylene translucent. Autoclavable.



Glass Tubes.

Volume	Dimensions mm	Part No.
Micro-haematocrit*	1.4 Ø x 75	7000910
7 ml	12 Ø x 100	7000773
15 ml	16.5 Ø x 100	7000772
25 ml	24 Ø x 100	7000771
50 ml	34 Ø x 100	7000770
100 ml	44 Ø x 104	7000769
250 ml	56 Ø x 147	7000768
ASTM	Conical	7001088
ASTM	Pear shape	7000767

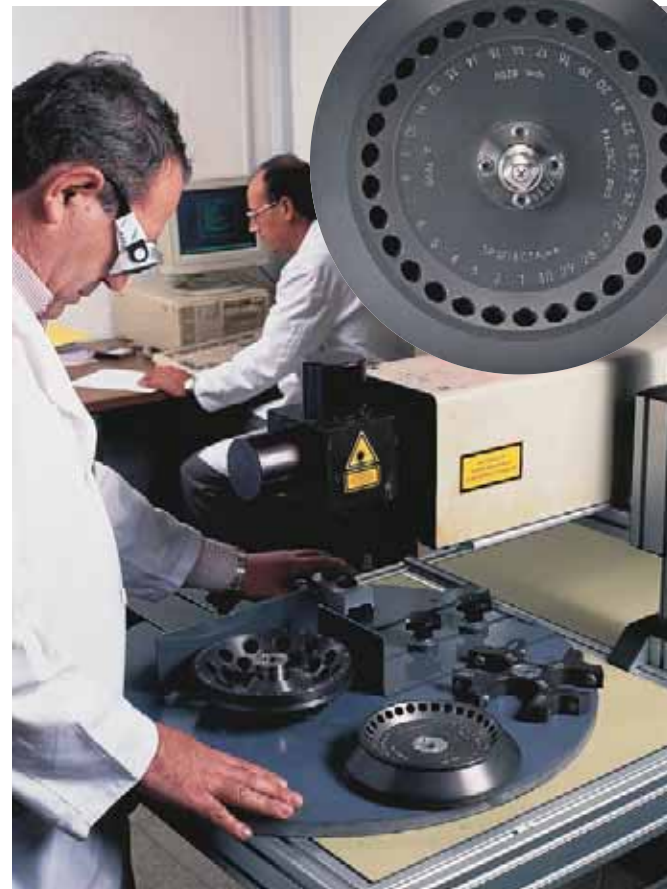
*Box of 100 tubes.

SPARE

Buckets for angle rotors.

Suitable for model	Part No. 7001403 15 ml plastic	Part No. 7001500 15 ml metal	Part No. 7005000 50 ml metal	Part No. 7001000 100 ml metal
Cencom II	Yes			
Part No. 7002240				
Centro-8		Yes		
Part No. 7002356				
Centromix II-BL			Rotor	
Part No. 7002555			7000550	
Meditronic BL-S			Rotor	Rotor
Part No. 7001376			7000743	7000742 7000741
Medifriger BL-S			Rotor	Rotor
Part No. 7001377			7000743	7000742 7000741
Macrotronic BL			Rotor	Rotor
Part No. 7001385			7000560	7000561
Macrofriger BL			Rotor	Rotor
Part No. 7001386			7000560	7000561

ALL THE ROTORS, BUCKETS AND ADAPTERS COME WITH LASER ETCHED IDENTIFICATION.





Centrifuge kit for separating plasma rich platelets from whole blood

MADE UP OF:

This model can be marked as medical device



Centrifuge "CENTRO-4-BL"

Swing-out rotor (not an angle rotor), that performs the correct separation of the distinct blood fractions.

Capacity: 4 tubes, 75 x 13 mm VAC tubes.

Electronic control with digital display. Maximum speed of 5000 r.p.m. Maximum time 15 minutes or continuous operation. Fixed acceleration and deceleration rate.

Strong moulded external case of ABS plastic, extremely light weight, (6 Kg).

Part No. **7002560**



Metallic thermostat dry block "BIO-BATH"

Small size with a fixed temperature of 37 °C with check thermometer, 8 tube positions for 75x13 VAC tubes.

Note: Accelerates the extraction of plasma for faster results and waiting time for the patient.

MODEL

Part No.	Height / Width / Depth (exterior) cm	Stability °C	Power W	Weight Kg
7001561	8.8 9.6 7	0.5	8	0.5



Part No. **5904013** Pipette fixed volume "Dispen-Fix" 50 µl

Part No. **5904014** Pipette fixed volume "Dispen-Fix" 100 µl

Part No. **5904017** Pipette fixed volume "Dispen-Fix" 500 µl

Part No. **1001562** Support rack made from stainless steel for 3 pipettes

Part No. **1001563** Tube rack made from stainless steel for 24 tubes (6x4) of 75x13 mm VAC tubes.

Part No. **1001574** Flask containing 10% calcium chloride, quantity 30 units.

Part No. **1001568** Strap bracelets of pure silicon "Esmarch". 3 units.



1 Part No. **1001558** Pipette tips, sterile with filters packed as individual tips, size 5-200 µl, and quantity 250 units.*

1 Part No. **1001559** Pipette tips, sterile with filters packed as individual tips, size 100-1000 µl, and quantity 250 units.*

2 Part No. **1001565** Tubes VE Sodium citrate 75x13mm VAC tubes, blue 4 ml sterile tubes. Box of 100 units.

2 Part No. **1001566** Tubes 75x13 mm sterile, 100 units in bags of 4 units.

3 Part No. **1001567** Micro extractor for the extraction of blood by vacuum. Box of 50 units. Complete with two adapters.

Note: * All above components are individually sterilized.

If aseptic conditions are required a laminar flow cabinet should be used for sample manipulation.



Part No. **5900499** Timer alarm bench top "RELAVIS" 0-60 minutes.



J.P. SELECTA has designed an effective small centrifuge and thermostat dry block that is suitable for easy transportation for consultants, emergency services, reception labs and clinical trials etc. To maintain the complete kit, a robust metallic case with moulded interior is provided. The complete kit comprises of:

1 centrifuge "Centro-4", 1 metallic thermostat dry block "Bio-Bath", mains cables, 3 fixed volume pipettes "Dispen-Fix", 1 rack 24 tubes, 1 timer "Relavis", and 2 boxes for consumables, tubes, tips, micropercursors, strips and flasks. In the lid are clip positions for easy access for the pipette rack and 3 pipettes. Total weight with all items: 11.5Kg.

Part No. **1001570** Metallic case with moulded compartments Armaflex, two perspex boxes for tubes and consumable Clips for pipette support.