

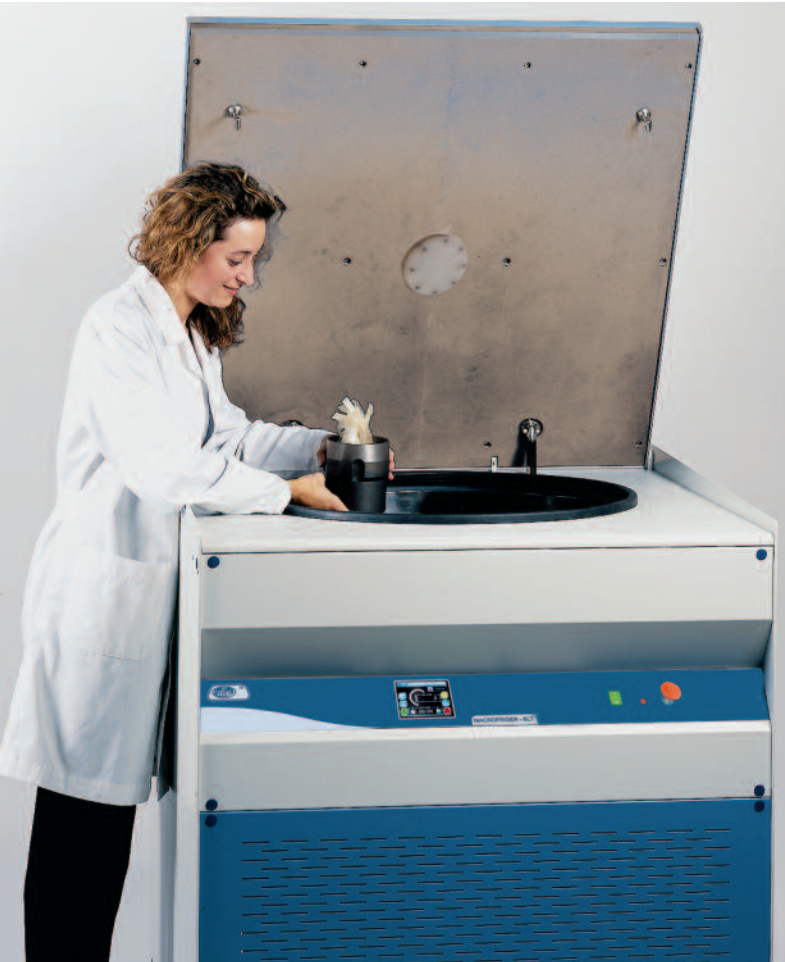


Refrigerated high capacity microprocessor controlled centrifuge suitable for tubes, flasks and blood bags "Macrofriger-BLT-Blood"

CONTROLLABLE TEMPERATURES FROM -20 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.

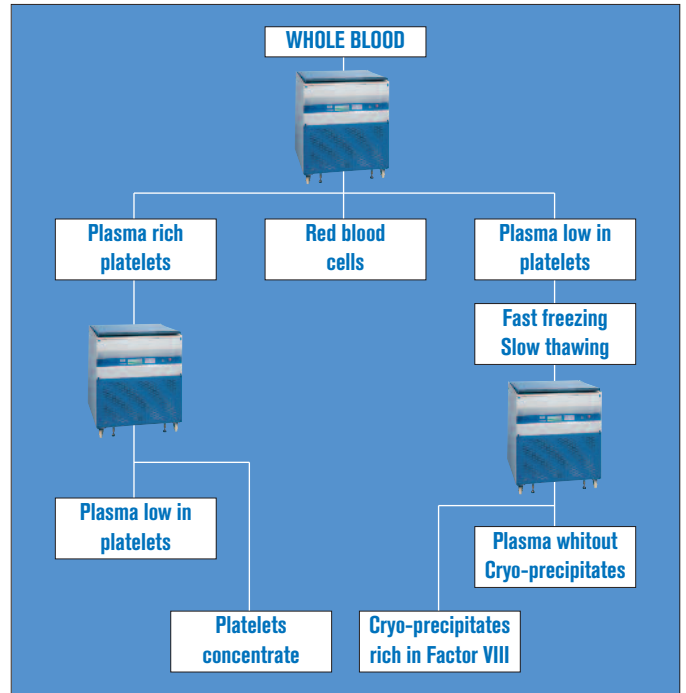


Original J.P. Selecta design. With maintenance free induction drive motor

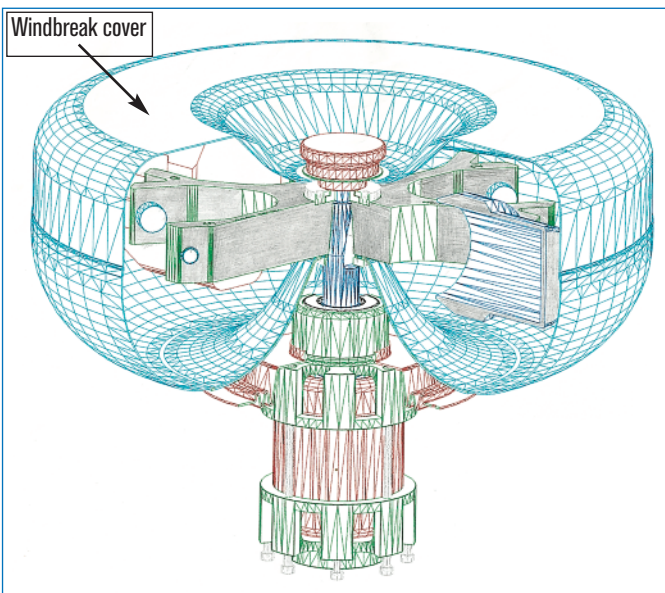


APPLICATIONS

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 windbreak protector with lid that reduces the air resistance and maintains a regulated temperature.

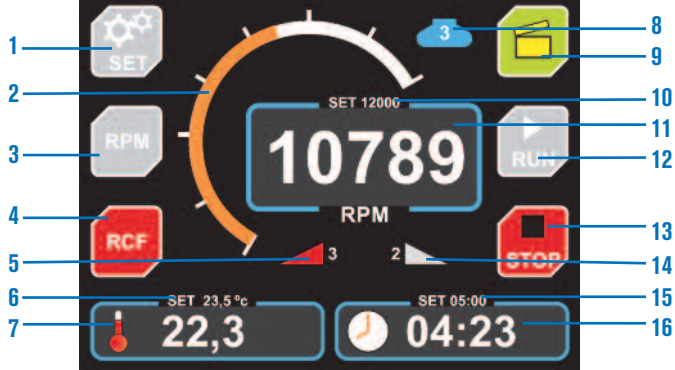
FEATURES

- Case: internal structure of tubular steel with lateral Dur-al supports.
- Internal Stainless steel bowl .
- Aluminium windbreak cover.
- 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 fluoro-carbons.
- Mounted on an anti vibration adjustable rubber feet.
- Microprocessor digital control of all functions: speed, acceleration, brake, R.C.F., temperature, time, 50 tamper proof program memory, rotor identification, operation fault alarm.
- Working menu access by authorized pin code.
- Digital indicator of the rotor and blood bag buckets operating hours.**

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
Touch screen



- 1. Enter parameters key.
- 2. Speed analog indicator .
- 3. RPM reading key.
- 4. RCF reading key.
- 5. Acceleration ramp programmed.
- 6. Temperature programmed. (refrigerated models only).
- 7. Reading the real time temperature. (refrigerated models only).
- 8. Rotor model in use.
- 9. Door opening key.
- 10. RPM or RCF programmed.
- 11. RPM or RCF real-time reading
- 12. Start process key.
- 13. Stop process key.
- 14. Programmed braking ramp.
- 15. Time set-up in process.
- 16. Elapsed time reading.



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



TECHNICAL SPECIFICATION

Maximum volume:9600 ml
 Maximum bucket volume:1600 ml
 Speed 7001490.: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 6210
 Imbalance:± 5 g
 Accuracy:4 g
 Temperature range:from -20 °C to 40 °C
 Temperature stability:±4 °C
 Resolution:1 °C
 Temperature range:99 min. 59 sec.
 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
7001490	12000	6 x 2000 ml	105 96 96	5500	420

ACCESSORIES

Swing out rotor 6 place, treated steel.



Part No. **7001391**

Interchangeable buckets and reducers with identification sign. 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**

Bags holder set for double cup 7001392
Part No. **0928292**

Bags holder set with hooks for double cup 7001392
Part No. **7001389**

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	29/5450
-	-	Bottle 1000 ml 1001394	6000 ml	1 bottle 1000 ml or 1 bag	98 x 175	300/4070	29/5430
-	7001393	7001395	3000 ml	1 bottle 500 ml	70 x 165	300/4070	29/5430
-	Capacity	7001396	1200 ml	1 bottle 200 ml	56.6 x 104	300/4070	29/5430
-	without adapter:	7001397	1200 ml	2 tubes 100 ml	44 x 104	300/4070	29/5430
-	1 bag of	7001398	1200 ml	4 tubes 50 ml	34 x 100	300/4070	29/5430
-	500 to 800 ml	7001399	1350 ml	9 tubes 25 ml	24 x 100	300/4070	29/5430
-	or 1x bottle	7001400	1530 ml	17 tubes 15 ml	16.5 x 100	300/4070	29/5430
-	1000 ml	7001401	1008 ml	24 tubes 7 ml	12 x 100	300/4070	29/5430

Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories. Other adapters can be manufactured to the customers specification.

COMPLEMENTS



Blood bank refrigerated cabinets "Blood Bank" A, B, C and D

FORCED AIR CIRCULATION.

FIXED TEMPERATURE +4 °C. STABILITY ±1.5 °C. RESOLUTION 1 °C.

SEVEN DAYS GRAPHIC TEMPERATURE REGISTER.

CAPACITIES FROM 90 TO 480 BLOOD BAGS.

FEATURES

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MODELS	Part No.	Capacity litres	Capacity bags	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Power W	Power HP	Number of shelves	Weight Kg
Blood Bank A	2101497	319	110	139 48 45	198 60 64	360	1/4	5	98
Blood Bank B	2101498	442	150	126 58 55	198 70 71	360	1/4	5	111
Blood Bank C	2101499	600	200	136 58 69	207 70 82	350	3/8	5	115
Blood Bank D	2101500	1300	480	136 128 69	208 140 82	1100	3/8	10	190

Comes complete with steel shelves, PVC laminated.