



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



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 121).

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



Model “Macrotronic-BLT”

MODEL

Part No.	Max. volume ml	Max. No. of bags	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001485	2000	4 x 500 ml	45 60 66	720	76



Model “Macrofriger-BLT” refrigerated, temperature range -12 °C to 40 °C.

MODEL

Part No.	Max. volume ml	Max. No. of bags	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001486	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.

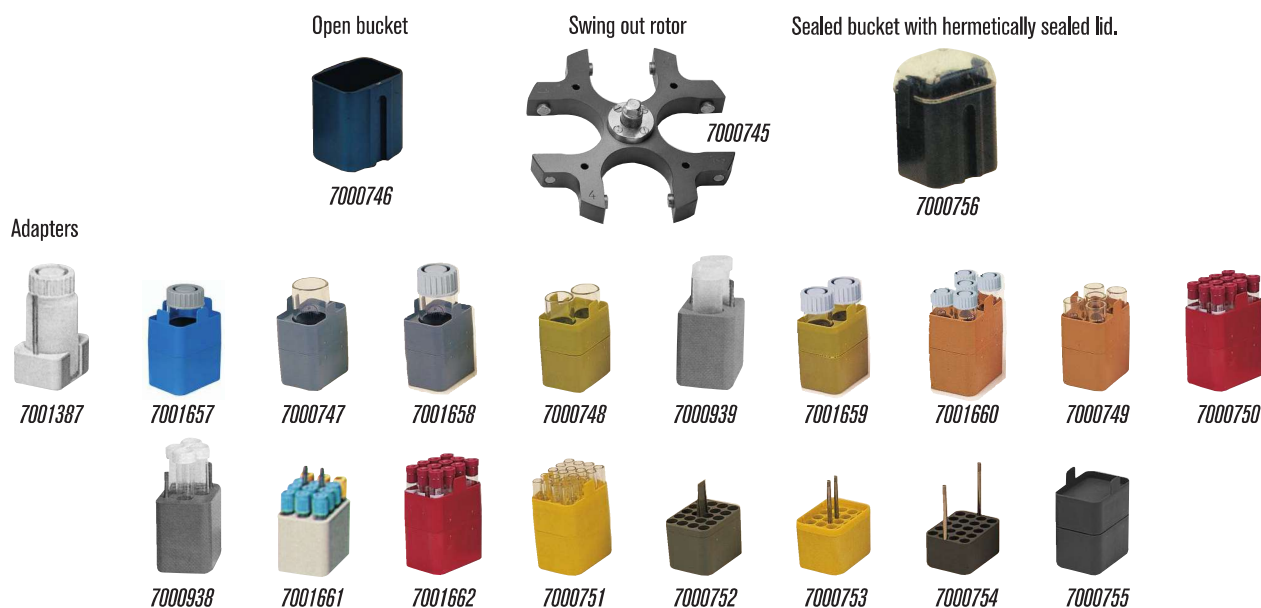
ACCESSORIES

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



Part No. head	Rotor type	Max. volume	Tube capacity	Ø x Length mm	MACROTRONIC BLT		MACROFRIGER BLT	
					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.

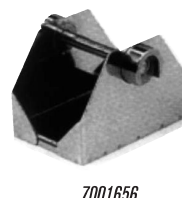


Part No. head	Rotor type	Bucket open	Sealed bucket	Part No. adapter	Total max. Volume (4 adapters)	Bucket/Adapter capacity	Ø x Length mm	Max. R.p.m.	Max. R.c.f. (xg)
7000745	Swing out	7000746	7000756	7001387	800 ml	1 x 200 ml	56.6 x 104	5000	4615
	Swing out	7000746	7000756	7001657	500 ml	1 x 125 ml	51 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 132 for tubes and accessories.

ACCESSORIES



Bucket for
3 x 96 well plates

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

Swing out rotor



Buckets



200 Height x 36 mm Ø
for buckets Part No. 7001075



158 Height x 58 mm Ø max.
for buckets Part No. 7000764

ASTM buckets
for testing
sediments in oil and
petroleum



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	3720	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 132 for tubes and accessories.

HEAD REDUCERS

Reducers for head. Part No. 7001650:

7001803 For 1 tube 100 ml (44 Ø x 104 mm).
7001804 For 1 tube 85 ml (38 Ø x 105 mm).
7001805 For 1 tube 50 ml (34 Ø x 100 mm).
7001806 For 2 tubes 50 ml (29 Ø x 103 mm).
7001807 For 1 tube 50 ml (30 Ø x 117 mm).
7001808 For 3 tubes 30 ml (25 Ø x 92 mm).
7001809 For 7 tubes 15 ml (16,5 Ø x 100 mm).
7001810 For 7 tubes 10 ml (16 Ø x 100 mm).
7001811 For 12 tubes 7 ml (12 Ø x 100 mm).
7001812 For 12 tubes 5 ml (12,5 Ø x 75 mm).

Reducers for head. Part No. 7001651:

7001783 For 1 tube 50 ml (34 Ø x 100 mm).
7001784 For 1 tube 50 ml (29 Ø x 103 mm).
7001785 For 1 tube 25 ml (24 Ø x 100 mm).
7001786 For 1 tube 30 ml (25 Ø x 92 mm).
7001787 For 2 tubes 15 ml (16,5 Ø x 100 mm).
7001788 For 2 tubes 10 ml (16 Ø x 100 mm).
7001789 For 5 tubes 7 ml (12 Ø x 100 mm).
7001790 For 5 tubes 5 ml (12,5 Ø x 75 mm).
Reducers for head. Part No. 7001652:
7001791 For 1 tube 25 ml (24 Ø x 100 mm).
7001792 For 1 tube 30 ml (25 Ø x 100 mm).

7001793 For 1 tube 15 ml (16,5 Ø x 100 mm).
7001794 For 1 tube 10 ml (16 Ø x 80 mm).
7001795 For 2 tubes 7 ml (12 Ø x 100 mm).
7001796 For 2 tubes 5 ml (12,5 Ø x 75 mm).
Reducers for head. Part No. 7001653:
7001797 For 1 tube 15 ml (16,5 Ø x 100 mm).
7001798 For 1 tube 10 ml (16 Ø x 80 mm).
7001799 For 1 tube 7 ml (12 Ø x 100 mm).
7001800 For 1 tube 5 ml (12,5 Ø x 75 mm).
Reducers for head. Part No. 7000560:
7000700 For 1 tube 7 ml (12 Ø x 100 mm).
1001557 For 1 tube 5 ml (12,5 Ø x 75 mm).



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



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

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.

COMMON FEATURES

7" TFT touch screen.

Furniture: aluminum structure in Megafriger model and in steel tube with Dur-Al sides in Macrofriger model.

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 fluorocarbons.

Mounted on an anti vibration adjustable rubber feet.

Microprocessor digital control of all functions: speed, acceleration, brake, R.C.F., temperature, time, 10 program memory, rotor identification, operation fault alarm.

Digital indicator of the rotor and blood bag buckets operating hours.

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.

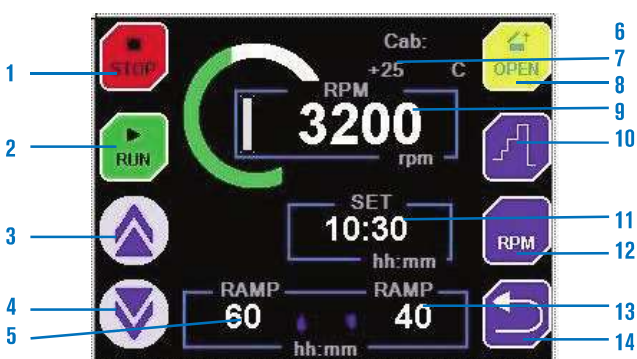
Serology investigations.

Molecular biology.

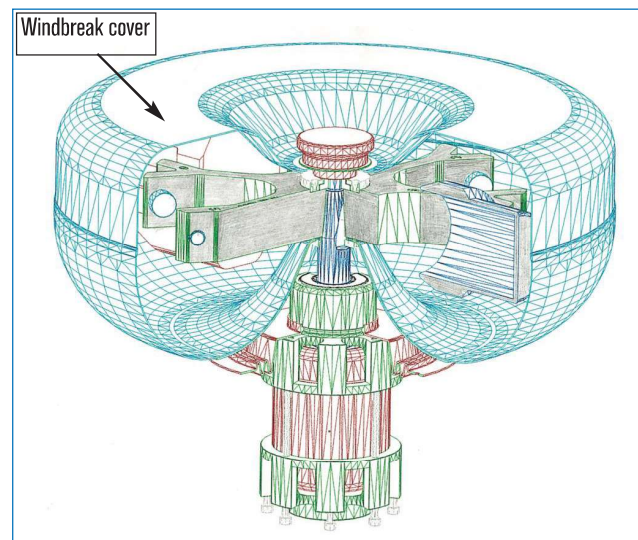
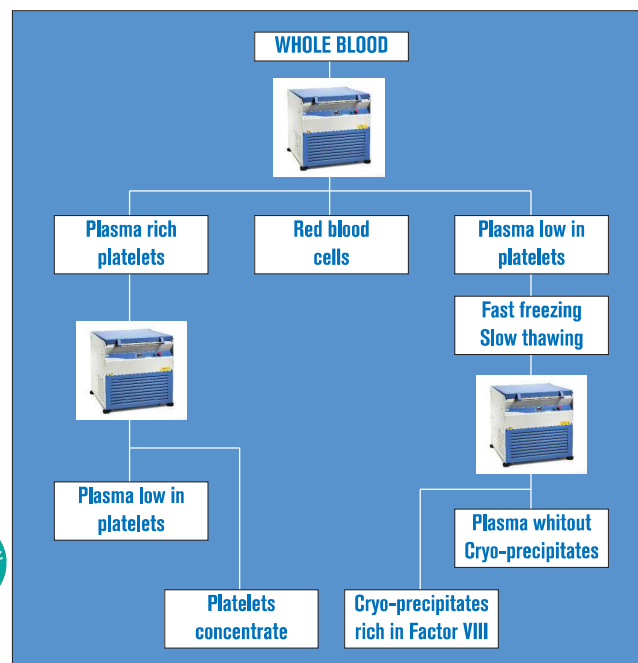
Serum separation, pharmaceutical applications.

CONTROL PANEL

Touch screen



1. Stop process key.
2. Start process key.
3. Increase value key.
4. Decrease value key.
5. Scheduled acceleration ramp.
6. Rotor model in use.
7. Reading the real time temperature. (refrigerated models only).
8. Door opening key.
9. RPM or RCF real-time reading.
10. Sequential operation.
11. Time set-up in process.
12. Key to change RPM / RCF.
13. Braking ramp programmed.
14. Return key..



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