



Microprocessor controlled centrifuges “Meditronic BLT”, “Medifriger BLT”, “Macrotronic BLT” and “Macrofriger BLT”



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.

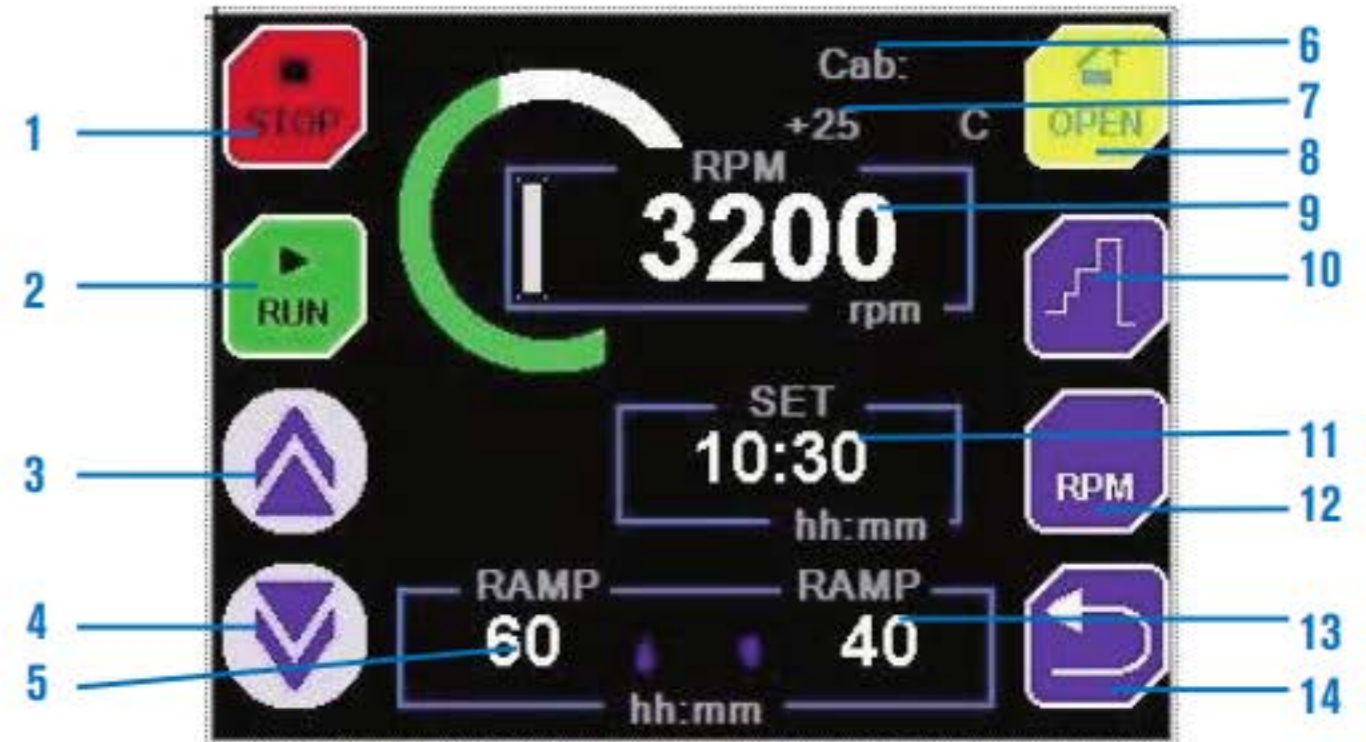
All Rotors, buckets and adapters are identified with an inalterable engraved laser code.

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

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..



High speed centrifuges with microprocessor control "Meditronic-BLT" and "Medifriger-BLT"



Capacity up to 800 ml. 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 "Meditronic-BLT"

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001476	800	4 x 200 ml	38 46 52	520	44

Model "Medifriger-BLT" refrigerated, temperature range -12 °C to 40 °C.

MODEL

Part No.	Max. Volume ml	Max. Number of tubes	Height / Width / Depth (exterior) cm	Power W	Weight Kg
7001477	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.

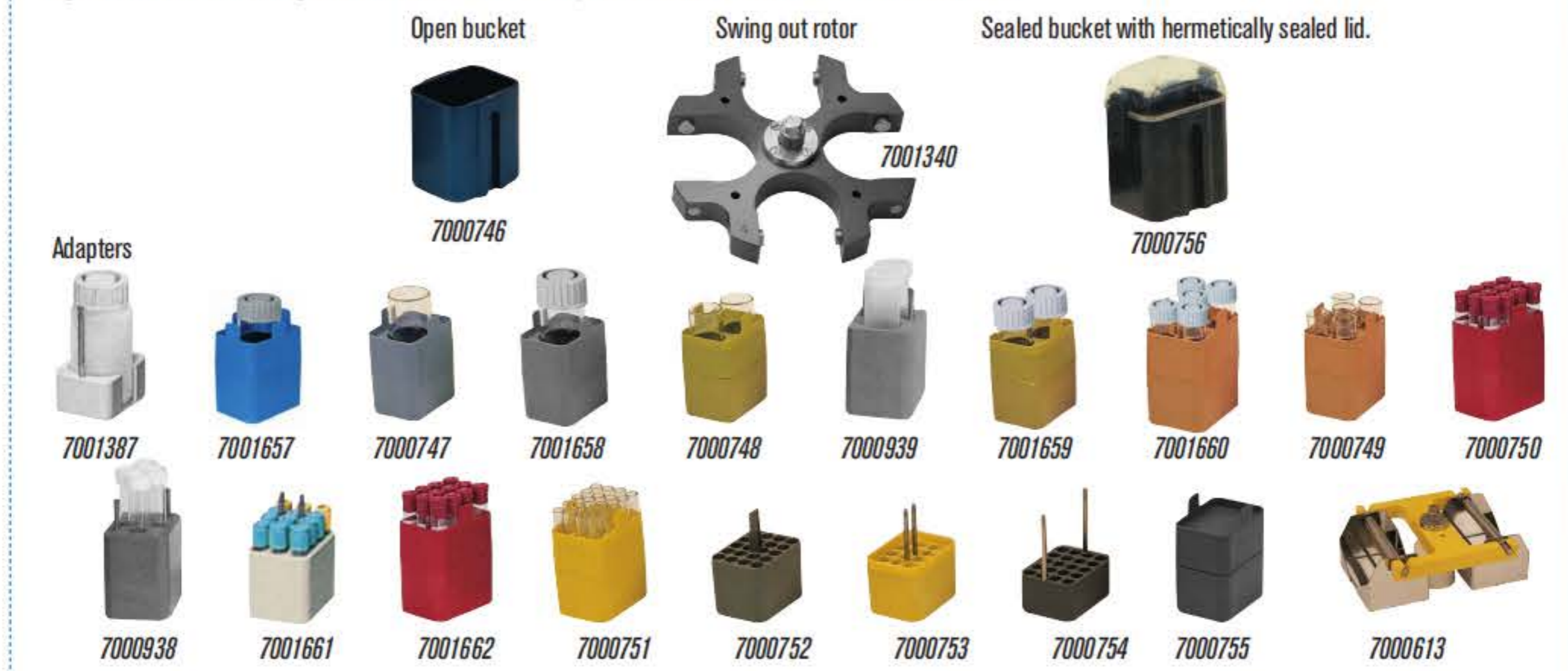


Part No. head	Rotor type	Max. volume	Tube capacity	Ø x Length mm	MEDITRONIC BLT		MEDIFRIGER BLT	
					Max. R.p.m	Max. R.c.f. (xg)	Max. R.p.m	Max. R.c.f. (xg)
7000741	Angle+lid	600 ml	6 x 100 ml	44 x 104	4500	3170	4500	3170
7000742	Angle+lid	400 ml	8 x 50 ml	34 x 100	4600	3075	4600	3075
7000743	Angle+lid	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	12000	15997
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 132 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)
7001340	Swing out	7000746	7000756	7001387	800 ml	1 x 200 ml	56.6 x 104	5000	4312
	Swing out	7000746	7000756	7001657	500 ml	1 x 125 ml	51 x 115	5000	4312
	Swing out	7000746	7000756	7000747	400 ml	1 x 100 ml	44 x 104	5000	4312
	Swing out	7000746	7000756	7001658	320 ml	1 x 80 / 85 ml	38 x 105	5000	4312
	Swing out	7000746	7000756	7000748	400 ml	2 x 50 ml	34 x 100	5000	4312
	Swing out	7000746	7000756	7000939	400 ml	2 x 50 ml Falcon	30 x 117	5000	4312
	Swing out	7000746	7000756	7001659	400 ml	2 x 50 ml	29 x 103	5000	4312
	Swing out	7000746	7000756	7001660	600 ml	5 x 30 ml	25 x 92	5000	4312
	Swing out	7000746	7000756	7000749	500 ml	5 x 25 ml	24 x 100	5000	4312
	Swing out	7000746	7000756	7000750	720 ml	12 x 15 ml	16.5 x 100	5000	4312
	Swing out	7000746	7000756	7000750	720 ml	12 VAC*	16.5 x 100	5000	4312
	Swing out	7000746	7000756	7000938	240 ml	4 x 15 ml Falcon	16.5 x 120	5000	4312
	Swing out	7000746	7000756	7001661	-	12 VAC*	13 x 75	5000	4312
	Swing out	7000746	7000756	7001662	480 ml	12 x 10 ml	16.8 x 85	5000	4312
	Swing out	7000746	7000756	7000751	560 ml	20 x 7 ml	12 x 100	5000	4312
	Swing out	7000746	7000756	7000752	400 ml	20 x 5 ml	12.5 x 75	5000	4312
	Swing out	7000746	7000756	7000753	240 ml	20 x 3 ml	11 x 100	5000	4312
	Swing out	7000746	7000756	7000754	120 ml	20 de 1.5 / 2.2 ml	-	5000	4312
Swing out	7000746	7000756	7000755	undrilled	-	-	5000	4312	
7000613	Swing out	-	-	-	-	4 x 96 microtiter	-	4200	2702

*VAC: Blood tube with stopper. Note: All buckets and adapters come without tubes unless stated, see page 132 for tubes and accessories.

HEAD REDUCERS

Reducers for head. Part No. **7000741**:

- 7001770 For 1 tube 85 ml (38 Ø x 105 mm).
- 7001771 For 1 tube 50 ml (34 Ø x 100 mm).
- 7001772 For 1 tube 50 ml (29 Ø x 103 mm).
- 7001773 For 1 tube 25 ml (24 Ø x 100 mm).
- 7001774 For 1 tube 30 ml (25 Ø x 100 mm).
- 7001775 For 3 tubes 15 ml (16,5 Ø x 100 mm).
- 7001776 For 3 tubes 10 ml (16 Ø x 80 mm).
- 7001777 For 3 tubes 7 ml (12 Ø x 100 mm).
- 7001778 For 7 tubes 5 ml (12,5 Ø x 75 mm).

Reducers for head. Part No. **7000742**:

- 7001707 For 1 tube 50 ml (29 Ø x 103 mm).
- 7001708 For 1 tube 25 ml (24 Ø x 100 mm).
- 7001709 For 1 tube 30 ml (25 Ø x 92 mm).
- 7001710 For 1 tube 15 ml (16,5 Ø x 100 mm).

- 7001780 For 1 tube 10 ml (16 Ø x 80 mm).
- 7001781 For 4 tubes 7 ml (12 Ø x 100 mm).
- 7001782 For 4 tubes 5 ml (12,5 Ø x 75 mm).

Reducers for head. Part No. **7001449**:

- 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 80 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. **7001448**:

- 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. **7001447**:

- 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. **7001445/7001446**:

- 7001801 For 1 tube 5 ml (12,5 Ø x 75 mm).

Reducers for head. Part No. **7000743**:

- 7000700 For 1 tube 7 ml (12 Ø x 100 mm).
- 1001557 For 1 tube 5 ml (12,5 Ø x 75 mm).