

# Microprocessor controlled centrifuge "Macrofriger-BL" and "Macrofriger-BL-Blood"

CAPACITY FOR 4 BLOOD BAGS OF 500 ML. CAPACITY FOR 4 BLOOD BAGS OF 500 ML. TO 800 ML.

#### **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.

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

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

Note: these centrifuges also allow the possibility of adapting angular and swing-out rotors for all kind of capabilities, from 1,5/2,2 ml. vials to 500 ml. (Ask for information)





"Macrofriger-BL"

"Macrofriger-BL-Blood"

#### 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. Sets the program parameters. CONFIG Select stored program. **PROGRAM** 

**RAMP** Centrifuge accelerating to set speed. **SET SPEED** Centrifuge is running at set speed.

**BRAKE** Centrifuge is slowing down in deceleration phase. ROTOR><PRG The selected program does not match the installed rotor. PROGRAM TIME Informs that a time needs to be set to operate.

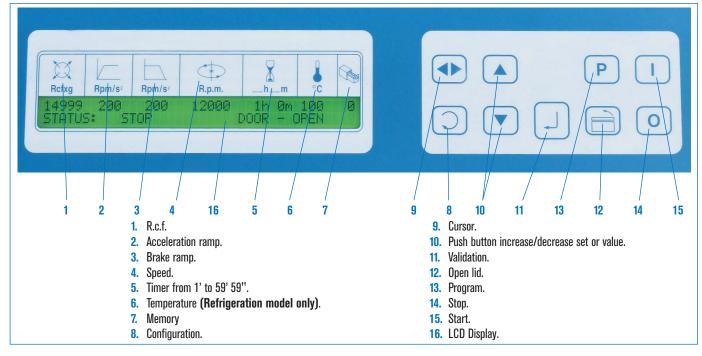
**ALARM** Informs of a fault:

**POWER FAIL** ROTOR FAIL DOOR OPEN **UNBALANCED EEPROM FAIL CONTROL FAIL OVER TEMP** 

Power failure during the run. Fault in reading the rotor identification. Lid open- not closed properly. Out of balance, adjust distribution of tubes. Set parameters failed to be recognised. Speed detector indicator failure.

Over set temperature value.

### **PANEL DE MANDOS**





## Refrigerated centrifuges for blood bags "Macrofriger-BL"

CONTROLLABLE TEMPERATURES FROM 0 TO 30 °C.
MAXIMUM CAPACITY OF 4 BLOOD BAGS OF 500 ML.

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

Swing out rotor 4 place, treated steel. R.p.m Máx.: 3200. R.c.f Máx.(xg): 2358



Part No: 7001450

Open bucket 1 blood bag



Part No: 7001451





## Refrigerated high capacity centrifuge for blood bags "Macrofriger-BL-Blood"

CONTROLLABLE TEMPERATURES FROM 4 TO 40 °C.
ESPECIALLY FOR TRIPLE AND QUAD BLOOD BAGS FROM 500-800 ML. MAXIMUM CAPACITY 12 BAGS.

#### TECHNICAL SPECIFICATION

Maximum volume: .......9600 ml Accuracy: .....± 5 r.p.m. Imbalance: .....± 5 g Temperature range: ......from 0 °C to 40 °C Temperature stability: .....±4 °C Resolution: ......1 °C 

#### 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. R.p.m Máx.: 4070. R.c.f Máx.: 5370

Part No 7001391

Buckets and adapters with engraved indentification.
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

