



*Sigma Refrigerated  
Blood Bank Centrifuge*

**8KB**

# Sigma 8KB

No. 10844 (3 x 400 V / 50 Hz) air cooled; incl. 11805, 3 set 13860 with 13865, RS 232

No. 10849 (3 x 400 V / 50 Hz) air cooled; incl. 11806, 3 set 13860 with 13865, RS 232

- Compact refrigerated floor standing centrifuge for universal use in blood banks, clinical laboratories
- Capacity up to 6 x 1.5 l or 12 blood bags in swing-out rotor
- Solid construction, suitable for continuous use
- Maintenance-free drive, high imbalance tolerance up to approx. 80 g, imbalance switch
- Speed range 100 – 5.100 rpm
- Automatic rotor identification prevents spinning rotors overspeed
- Efficient refrigeration; temperature adjustable between –20 °C and +40 °C, standstill cooling, with refrigerant R404a
- Cooling time from room temp. to +4 °C in approx. 45 min.
- Stainless steel bowl
- The lid is hinged on the left hand side
- Easy open the centrifuge lid via pneumatic springs
- Two motorized lid locks provide safe, assured lid-locking
- Power failure, emergency lid opening
- Ergonomic loading height of just 88 cm
- The user friendly control unit is integrated in the front panel
- Data logging via interface RS 232
- Window in the centrifuge lid for external speed control
- Centrifuge fits through a door opening of only 82 cm
- The centrifuge stands on movable castors and adjustable feet to even out the floor
- Easily serviceable
- All international standards are met, e.g. IEC 1010, CE, WEEE

## Options

- Water-cooled compressors
- Connection for external signal order no. 17701 DC 24V, max. 0,5A; Potential free contact for external signal order no. 17702 max. 250V, 6A

# Blood bags



11806



11805

Wind shield rotor

1 set = 2 pcs.

**13860** Double bucket for blood bags  
Delivery incl. adapter 13865

Rotor No.	max. [rpm]	max. RCF
11805 + 3 x 13860	4.100	5.394
11806 + 3 x 13860	3.700	4.393

No.	Adapter	
13866	2 x <b>900 ml, large</b>	Blood bags
13865	2 x <b>500 – 800 ml, medium</b>	Blood bags
13864	2 x <b>300 – 400 ml, small</b>	Blood bags
17750	Adapter for smaller bags, or reduced filling	



13864



13865



13866

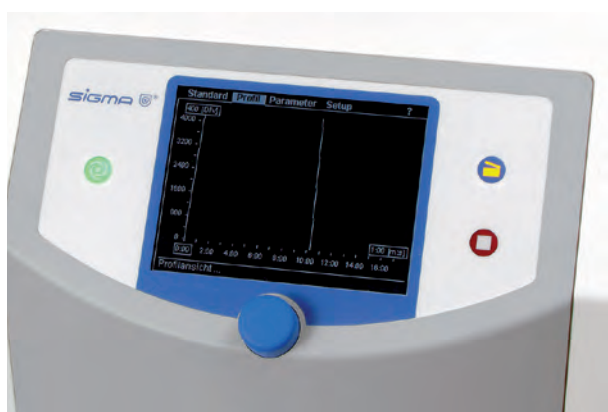


17750



13860

# Spincontrol Professional



## Created during production

	<b>Sigma 8KB</b>
Calibration certificate for speed and time	No. 17714
Calibration certificate for temperature, speed and time	No. 17715
IQQQ	No. 17711

## Spincontrol Professional

Display	TFT
Plain text pop up windows	+
Permanent display preselected, current values	+
Display shows dimensions	+
Languages	D, GB
Timer	10 sec - 99 h 59 min
Timing after set speed has been reached	+
Time increments [sec]	60;1
Short run	+
Continuous run	+
Speed increments [rpm]	10;1
Display speed and g-force	+
G-force increments [xg]	10;1
Temperature increments [°C]	1
Switchable °C, °F	+
Standstill cooling, switchable	+; +
Rapid cooling program: Rapid_cool	+
Start refused with exceeded temperature tolerance, tolerance preselectable	+
Programs	60
User defined program name	+
Program list	+
Linear acceleration curves	10
Quadratic deceleration curves	10
User defined acceleration curves	10
Linear deceleration curves	10
Quadratic deceleration curves	10
User defined deceleration curves	10
Brakeless	+
Combination deceleration and brakeless from 1000 - 150 rpm selectable	+
Auto lid open, switchable	+; +
Acoustic signal, switchable	+; +
Signal length preselectable	+
Optical stillstand display	+
Counting cycles centrifuge, each rotor	+; +
Pop up window end of rotor life time	+
Automatic lid opening at the end of the run, switchable	+; +
All rotors pre programmed speed, g-force, radius	+
Start delay	+
Controlunit lockable	+
Code protection	+



SIGMA 8K



*Delivery without micro centrifuge*

<b>Technical data</b>	
Power consumption [kW]	6,5
Max. capacity [l]	9
Max. speed [rpm]	5.100
Min. speed [rpm]	100
Interference suppression	EN 61326
Dimensions: Height x Width x Depth [mm]	980 x 810 x 910
Height with open lid [mm]	1690
Weight without rotor [kg]	420
Kinetic energy max. [K Nm]	208
Noise level at max. speed (approx.)	
Rotor 11805 [dB (A)]	69
Max. acceleration Rotor 11805 [sec]	81
Max deceleration Rotor 11805 [sec]	59
Temperature setting range	-20°C – +40°C
Min. Rotor temperatur *) [°C]	< 4

\* at 23 °C ambient temperature



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