



*Sigma Refrigerated  
Blood Bank Centrifuge*

**8KBS**

# Sigma 8KBS

No. 10944 Sigma 8KBS No. 10625 (3 x 400 V / 50 Hz) air cooled; incl. 11805, 3 set 13860 with 13865, RS 232

No. 10945 Sigma 8KBS No. 10626 (3 x 220 V / 60 Hz) air cooled; incl. 11805, 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 overspeeding of rotors
- Efficient refrigerating machine; temperature adjustable between –20 °C and +40 °C, standstill cooling, refrigerant R404a
- Stainless steel bowl
- Lid hinged on the left
- Centrifuge lid opens easily via pneumatic springs
- Two motorized lid locks provide security
- Emergency lid release in case of a power failure
- Ergonomic loading height of only 88 cm
- User friendly control unit integrated in the front panel
- Window in the centrifuge lid for external speed control
- Centrifuge needs a door opening of only 82 cm
- Centrifuge stands on movable castors and adjustable feet to even out the floor
- Easily serviceable
- All international standards are met, e.g. EN 61010-2-020
- Guaranteed 4°C at max. speed with all rotors

## Options

- Connection for external signal No. 17701 DC 24V, max. 0,5A;  
Potential free contact for external signal No. 17702 max. 250V, 6A
- Inert gas injection with analysis of the oxygen content in the exhaust emission
- Water cooled compressor

# Blood bags



11806



11805

Windshield rotor

1 set = 2 pcs.

**13860** Double bucket for blood bags  
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 Blood bags 500 ml
13865	2 x Blood bags 320 – 400 ml
17750	Adapter for smaller bags or reduced filling
17765	Substitute for blood bag in 13865
17766	Substitute for blood bag in 13866



13865

13866

17750

13860

# Medical tubes

<i>Rotor No.</i>	<i>max. rpm</i>	<i>max. RCF</i>
<b>11805</b> + 3 x <b>13850</b> ; 6 Adapter	5,100	8,578
<b>11806</b> + 3 x <b>13850</b> ; 6 Adapter	3,700	4,515

**13850** Round bucket 1500 ml, sealable with cap No. 17175, internal Ø 115 mm

**Adapters for internal Ø 115 mm**

<i>No.</i>	<i>Adapter Ø 115 mm</i>	<i>Tube No.</i>
<b>17775</b>	19 x <b>15 ml</b> culture	15115
<b>17777</b>	8 x <b>50 ml</b> culture	15151

**Adapters for internal Ø 115 mm to Ø 100 mm No. 13851**

**Adapters for internal Ø 100 mm**

<i>No.</i>	<i>Adapter Ø 100 mm</i>	<i>Tube No.</i>
<b>17651</b>	20 x <b>4 – 7 ml</b>	Monovettes
<b>17652</b>	36 x <b>5 ml</b>	15060 RIA, Hemolysis
<b>17656</b>	22 x <b>5 – 6 ml</b>	15060 RIA, Vacutainer, Hemolysis
<b>17658</b>	19 x <b>9 – 15 ml</b>	15015, 15020, 15022 Monovettes
<b>17659</b>	12 x <b>15 ml</b> culture	15115 cap max. Ø 23 mm
<b>17660</b>	15 x <b>15 ml</b> culture	15115 cap max. Ø 22 mm
<b>17677</b>	5 x <b>50 ml</b> culture	15151
<b>17678</b>	5 x <b>50 ml</b> culture <sup>1</sup>	

<sup>1</sup> with rim






SIGMA 8K

# Spincontrol S



<b>Created during production. Centrifuge with one rotor</b>	
	<b>Sigma 8KBS</b>
Calibration certificate for speed and time	No. 17714
Calibration certificate for temperature, speed and time	No. 17715
IQOQ	No. 17711
For a further rotor	No. 17712

## Spincontrol S

Display	TFT
Plain text pop up windows	+
Permanent display preselected, actual values	+
Display shows dimensions	+
Languages	
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_temp	+
Start refused with exceeded temperature tolerance, tolerance preselectable	+
Programs	60
User defined program name	+
Program list shows all parameters	+, +
Linear acceleration curves	10
Quadratic acceleration 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 - 100 rpm selectable	+
Acoustic signal, switchable	+, +
Signal length preselectable	+
Optical display standstill	+
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 preprogrammed speed, g-force, radius	+
Max. radius reducible	+
Calculation for liquid density >1.2 g/cm <sup>3</sup>	+
Start delay	+
Control unit lockable	+
Code protection	+
Run monitoring	+
Microprocessor controlled	+



Delivery without microcentrifuge

Technical data	
Power consumption nominal [kW]	6.5
Power consumption, rotor 11805, 5,000 x g, 20°C sample temp [kW]	2.1
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]	1,690
Weight without rotor [kg]	420
Kinetic energy max. [K Nm]	279
Noise level at 4,100 rpm rotor 11805 [dB (A)]	61
Max. acceleration Rotor 11805 [sec]	81
Max deceleration Rotor 11805 [sec]	59
Temperature setting range	-20°C – +40°C
Min. rotor temperature *) [°C]	< 4

\* at 23 °C ambient temperature



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**MADE IN GERMANY**

