

Your Partner in Laboratory Centrifuges

MSE



Hawk

Universal compact bench top centrifuge



18 000 rpm



24 270x g



4 x 100ml



Bench top centrifuge range

Mastering centrifugation
for over 85 years

- Delayed start function;
- Two countdown modes: from pressing the start button or from reaching the set speed
- Intuitive parameter modification (RPM / RCF)
- Locking of selected functions, password protection
- Maintenance-free induction motor
- Continuous or short-time operation
- Automatic rotor identification
- Automatic lid opening
- Parameters can be changed during centrifugation
- Programmable density adjustment for samples > 1.2g / cm³
- Wide range of rotors and accessories; customized adapters on request



ANGLE ROTOR SYSTEMS



Cat. N°	Description	Capacity	RPM	RCF	Diam.
MSE2351	Hematocrit rotor for 24 capillaries	24 x 75 mm	13 000	16 816	1,4
MSE1767	Angle rotor for PCR strips, hermetic lid (45° angle)	4 x 8 x 0.2 ml	14 000	15339	10,2
MSE1250	Angle rotor 12 x 2/1.5 ml, hermetic lid (45° angle)	12 x 2/1.5 ml	18 000	24 270	10,8
MSE1512	Angle rotor 24 x 2/1.5 ml, hermetic lid (45° angle)	24 x 2/1.5 ml	15 100	21 158	10,8
MSE1513	Angle rotor 36 x 2/1.5 ml with hermetic lid (45° angle)	36 x 2/1.5 ml	14 000	18 188	10,8
MSE1811	Angle rotor 24 x 2 ml filter tubes/spin columns with hermetic lid (45° angle)	24 x 2 ml	14 600	20 257	10,8
MSE1267	Angle rotor 12 x 5 ml with hermetic lid (45° angle)	12 x 5 ml	14 000	19 064	12
MSE1995	Angle rotor 12 x 5 ml tubes with pressure cap closure	12 x 5 ml	12 000	13 684	17
MSE1791C	Angle rotor 12x5-15ml (30° angle) (with bucket MSE3131)	12x5-15ml	5 500	4058	13-17
MSE1796C	Angle rotor 24x5-15ml (30° angle) (with bucket MSE3131)	24x5-15ml	5 000	3 354	13-17
MSE1552C	Angle rotor 30x5-15ml (30° angle) (with bucket MSE3131)	30 x 5-15ml	4 500	2 966	13-17
MSE1766	Angle rotor 10 x 10ml with hermetic lid (30° angle)	10 x 10 ml	14 000	15 558	17
MSE1794C	Angle rotor 12 x 30/25ml (30° angle) (with MSE3380 cup)	12 x 30/25 ml	5 500	3 889	25,5
MSE1797C	Angle rotor 6 x 50 ml (angle 30°) (with bucket MSE3327)	6 x 50 ml	6 000	4 427	30
MSE1264C/A	Angle rotor 8 x 50ml Falcon tubes (30° angle) (with bucket) & PC cap	8 x 50 ml	5 000	3 494	30
MSE1264C/B	Angle rotor 8 x 50ml Flacon tubes (30° angle) (with bucket)	8 x 50ml	5 500	3 494	
MSE1795C	Angle rotor 10 x 50ml (angle 30°) (with bucket MSE3327)	10 x 50 ml	4 500	2 830	30
MSE1769C	Angle rotor 4 x 100ml (angle 30°) (with bucket MSE3770)	4 x 100 ml	6 300	5 014	45,2



ADAPTORS FOR ANGLE ROTORS

MSE

Reference	Adaptor by type/capacity of tube	Rotor compatibility									
		MSE1794C	MSE1797C	MSE1264C/A	MSE1264C/B	MSE1795C	MSE1769C	MSE1250	MSE1512	MSE1513	MSE1811
MSE4135	0.5 ml tube							X	X	X	X
MSE4177	0.2 ml tube							X	X	X	X
MSE4184	0.4 ml conical tube							X	X	X	X
MSE4919C/A	5 ml Eppendorf tube with screw cap		X		X	X					
MSE4919C/B	5 ml Eppendorf tube with pressure cap (to be used with MSE4140)		X	X	X	X					
MSE4087	5 ml round-bottom tube (diam. 14mm)		X		X	X					
MSE4094	5 ml round-bottom tube (diam. 13mm)		X	X	X	X					
MSE4306	7ml tube	X									
MSE4124	10 ml round-bottom tube and 7 ml S-Monovette. 5 ml		X	X	X	X					
MSE4086	15-ml round-bottom Nalgene tube		X	X	X	X					
MSE4307	15-ml Nalgene tube	X									
MSE4075	15-ml conical tube						X				
MSE4140	15-ml conical tube		X	X	X	X					
MSE4299	Bottomless adapter for 28-ml Nalgene tube		X	X	X	X					
MSE4122	28/30-ml round-bottom Nalgene tube		X	X	X	X					
MSE4241C	30/25-ml conical-bottom rubber buffer tube MSE4239						X				
MSE4275	30-ml round-bottom or skirted Sterilin tube, conical bottom						X				
MSE4277	50 ml Greiner tube, conical bottom and skirted						X				
MSE4240C	50 ml Falcon tube/Nalgene tube, rubber buffer MSE4239						X				
MSE4243C	50 ml round/conical bottom tube, rubber buffer MSE4239						X				
MSE4247	Coussinnet en PP pour tube de 100 ml						X				

SWING OUT ROTOR SYSTEMS

MSE2269C : swing out rotor for microtitres (hangers included)
RPM 3000 - RCF 916



Reference	Description	Dimension
MSE3270	Racks for microtiter plates	86x128x15/17.5mm

SWING OUT ROTORS



Reference	Description	Capacity	Speed	RCF	Diam.
MSE2245C/A	Swing out rotor 8x 5-15ml with buckets and adapters	8x5-15ml	4 100	2 594	13/17
MSE2245C/B	Swing out rotor 2xPRP with cups and adapters	2 x PRP	4 100	2 594	30,5/40
MSE2245C/C	Multi-purpose Swing out rotor 2x15/50ml conical or 6x15/10ml incl. cups and adapters	2x15/50ml ou 6x15/10ml	4 100	2 594	na
MSE2251	Swing out rotor 4 X 100 ml (choice of buckets/racks)	4 X 100 ml	4 000	2 504	83
- MSE3252C	100 ml cup Ø 58.4 x 87 mm with lid	100 ml	na	na	58,4 mm
- MSE3251	100 ml cup Ø 58.4 x 81.5 mm without lid	100 ml	na	na	58.4 mm
- MSE3266	Bucket for 2 Falcon 15 ml tubes	2 x 17.7 mm	na	na	17
- MSE3164	Blood tube rack 12 x 1.6÷4ml, 5 ml tubes	12 x 13.1 mm	na	na	13

ADAPTORS FOR ROTOR MSE2251



Reference	Adaptor by type/capacity of tube		Bucket compatibility			
			MSE3251	MSE3252C/A	MSE3252C/B	MSE3266
MSE4072	10 x 1.5/2 ml Eppendorf round-bottom tubes	4 x 16.5 mm	X	X	X	
MSE4064	8 x 1.6÷7 ml blood tubes	1 x 16.9 mm	X	X		
MSE4067	Adapter for 7 x 7÷11 ml blood tubes	5 x 12.5 mm	X	X		
MSE4080	5/7 ml round-bottom tube	1 x 25.8 mm	X	X		
MSE4071	5 x 10 ml Nalgene and 5 x 13/14 ml Startdedt round-bottom tubes	4 x 13.1 mm	X	X		
MSE4078	Falcon, 15-ml conical tube	1 x 17 mm	X		X	
MSE4133	Reducer diameter for blood tube	1 x 13,33 mm				X
MSE4074	30-ml round-bottomed Nalgene tube	1 x 30 mm	X	X		
MSE4077	50-ml conical-bottomed tube Greiner	1 x 25.5 mm	X		X	
MSE4077C	50-ml Falcon® tube and 50-ml Nalgene tube (bucket MSE3251) or for 50-ml Nalgene tube (bucket MSE3252C), rubber pad	1 x 35.5 mm	X	X	X	
MSE4079	50-ml round-bottomed glass tube	5 x 11 mm	X	X	X	
MSE4151C/A	100-ml round-bottomed glass tube with rubber pad	1 x 30 mm	X	X	X	
MSE4151C/B	100-ml PP round-bottomed tube with rubber pad	1 x 13.3 mm		X	X	
MSE4866	Height reducer for blood and urine tubes 13 x 75 mm	1 x 13 mm				X

Reliable benchtop centrifuges designed to deliver consistent results in demanding laboratory environments. Highly versatile with a wide range of rotors and adapters they cover all capacities of tubes and centrifugation vessels available on the market. Our benchtop centrifuge range offer high centrifugation parameters as well as high precision.

HAWK & HAWK R

- Programming up to 99h, 99mn and 99s
- 100 programs / 10 deceleration and acceleration rates
- Short cycle and continuous operation mode
- Automatic rotor recognition
- Wide choice of angle, swing out rotors and adapters
- Pre-cooling function to start work at target temperature (Hawk R)



4 x 100 ml

Swing rotor	Angular rotor	Blood tubes	50 ml	15 ml	Hawk R
 4 000	 18 000				
 2 504	 24 270	x 40	x 10	x 30	-20°C to +40°C

HARRIER & HARRIER R

- Programming up to 99h, 99mn and 99s
- 100 programs / 10 deceleration and acceleration rates
- Short cycle and continuous operation mode
- Delayed start function
- Automatic rotor recognition
- Wide choice of angle, swing out rotors and adapters
- Pre-cooling function to start work at target temperature (Harrier R)



4 x 250 ml

Swing rotor	Angular rotor	Blood tubes	50 ml	15 ml	Harrier R
 5 200	 18 000				
 4 724	 30 065	x 72	x 16	x 36	-20°C to +40°C

FALCON & FALCON R

- Programming up to 99h, 99mn and 99s
- 49 programs / 10 deceleration and acceleration ramps
- Automatic rotor recognition
- Wide choice of rotors and adapters



4 x 750 ml

Swing out rotor		Angular rotor	Blood tubes	50 ml	15 ml	Falcon R
Falcon	Falcon R					
 3 600	 4 700	 6 000				
 2 958	 6 385	 6 030	750 ml	x 24	x 48	-20°C to +40°C



Be confident in choosing MSE! Our centrifuges have been sold worldwide for almost 90 years. Widely proven, they are robust and built to last.

We designed and improved our centrifuges for and with you with a thorough understanding of your needs.

Reliability, reproducibility of results, intuitive programming, robustness and safety, choosing an MSE centrifuge is the guarantee of peace mind for years to come.

Reliability All our machines are individually tested through rigorous inspection procedures, performance and reliability tests in our factory, external laboratories and with end-user tests before to be released to the market	Life Span The average service life of a centrifuge MSE is 10 years. We guarantee the availability of the spare parts during at least all this period.
	Low-cost maintenance Our machines are designed to provide you long life service through maintenance-free design.

DIRECTIVES AND STANDARDS



All our products are CE and IVD marked.
They comply with [Regulation IVDR 2017-746](#)

In consequence, all our centrifuges reflects the conformity of the medical device with the essential safety and clinical benefit requirements laid down by European regulations.



In accordance with these regulations all MSE laboratory equipment is fully RoHS 3 compliant, meaning that potentially harmful substances such as cadmium, mercury, lead or phthalates are not found in any of our products.



ISO 9001 : Certified quality management system
ISO 13485 : Certified quality management system **specific for Medical Devices**

- **WARRANTY** : 24 months of warranty + extended warranty
- **CUSTOMER ORIENTED** : Immediate assistance to any inquires and claims
- **QUALITY** : Our ISO 9001 and ISO 13485 certifications testify to the quality of our products and our commitment to continuous improvement.
- **CE and IVD marked**



Height	315 mm
Width	365 mm
Depth	495 mm
Weight	25 kg
Max. capacity	4 x 100 ml
Max. speed	90 à 18 000, 1 RPM steps
Max. RCF	24 270 xg
Timer	1 s à 99 h, 59 mn 59s, 1s step or continus
Sound level	≤55 dB *
Power supply	230V, 6.3A, simple phase, 50/60Hz 110V, 10A, simple phase, 60Hz
Acceleration steps	10
Braking steps	10
Number of programs	100
Display	LED
Motor	Induction motor, brushless drive
Safety features	Imbalance sensor Lid locking during centrifugation and opening Emergency lid opening Stainless steel centrifuge chamber Product complies with international safety standards EN-61010-1 and EN-61010-2-020, EN-61010-2-101
Reference	230V, 50/60Hz : MSB050.CX.1 110V, 60Hz : MSB050.CX3.1

* avec rotor angulaire 24x2/1.5ml

All MSE centrifuges comply with the latest European safety and environmental standards.
Our centrifuges also comply with the RoHS directive.



MSE
15 rue du Mans
49300 CHOLET, FRANCE
info@mse-sas.fr
+33 (0)2 41 64 73 41

