

M-UNIVERSAL

M-DIAGNOSTIC

M-SCIENCE



PDF



v.2



Easier access to the centrifuge chamber made of stainless steel.

FEATURES

- modern design
- low noise level
- maintenance-free induction motor
- modern software system
- large graphic LCD – blanking the screen after a period of inactivity
- 2 screen modes (simplified and normal)
- 10 menu languages (PL, EN, ES, IT, PT, DE, RU, FR, SE, CZ)
- visual and sound alerts of different notifications
- 100 user programs
- 10 acceleration/deceleration curves
- speed or RCF adjustment
- manual centrifugal radius adjustment (with automatic RCF correction)
- time calculation from start key pressing or from reaching preselected speed
- ascending or descending time counting
- continuous operation mode - HOLD
- SHORT time operation mode
- changing of parameters during centrifuging
- automatic rotor recognition
- automatic lid opening
- centrifuging parameters recording (USB port) only M-UNIVERSAL
- selected functions blocking, password protection
- effective ventilation system
- stainless steel rotor chamber

SAFETY

- unbalance sensor
- lid locking during rotor running
- start blocking at opened lid
- emergency lid lock release
- product conforming with the EN-61010-1 and EN-61010-2-020, EN-61010-2-101 standards



	M-UNIVERSAL	M-DIAGNOSTIC	M-SCIENCE
	230V 50/60Hz; 120 50/60Hz [option 100, 110, 127V 50/60Hz]	230V 50/60Hz; 120 50/60Hz [option 100, 110, 127V 50/60Hz]	230V 50/60Hz; 120 50/60Hz [option 100, 110, 127V 50/60Hz]
	220 W	190 W	220 W
	500 ml 24 x capillaries 75mm	500 ml 12 gel cards / 4 x CYTO	100 ml 24 x capillaries 75mm
	90 + 18 000 RPM, step 1 RPM	90 + 6 000 RPM, step 1 RPM	90 + 18 000 RPM, step 1 RPM
RCF max.	24 270 x g	4 830 x g	24 270 x g
	1s + 99h 59min 59s, ∞, step 1s	1s + 99h 59min 59s, ∞, step 1s	1s + 99h 59min 59s, ∞, step 1s
	300 x 367 x 455mm [HxWxD] 572mm height with open lid	300 x 367 x 455mm [HxWxD] 572mm height with open lid	300 x 367 x 455mm [HxWxD] 572mm height with open lid
	22/23kg {230V/120V}	22/23kg {230V/120V}	21/22kg {230V/120V}
Cat. No.	102MU/2-56 {230V 50/60-Hz} 102MU/1-56 {120V 50/60-Hz}	102MD/2-56 {230V 50/60-Hz} 102MD/1-56 {120V 50/60-Hz}	102MS/2-56 {230V 50/60-Hz} 102MS/1-56 {120V 50/60-Hz}

Centrifuge MPW M-UNIVERSAL - with its wide range of rotors and accessories this centrifuge enables proper preparation of the sample for both routine medical and veterinary tests, launch of various therapies including in regenerative medicine or using different systems to acquire PRP, as well as to perform other research including scientific, clinical research, research in cosmetology and many others.

Centrifuge MPW M-DIAGNOSTIC - with its wide range of accessories [angle and horizontal rotors] this centrifuge is suitable for performing routine tests: complete morphology, biochemistry, coagulation tests, urine, hematocrit, parasitology, hematology, cancer diagnostics (CYTO), semen analysis and more.

Centrifuge MPW M-SCIENCE - high-speed angle rotors are suitable for test tubes of 0.2 ml to 10 ml capacity and achieve high accelerations [up to 24 270 x g] which helps proper separation of inhomogeneous mixture and effective centrifugation of the sample, for instance at isolation, purification and quality assessment of nucleic acids [DNA, RNA], molecular and other analysis.

MD	MS	MU		RCF	
	MS	MU	18 000	24 270	12 x 2/1,5ml
		MU	5 000	3 494	8 x 50ml
		MU	14 000	19 064	12 x 5ml
		MU	6 000	4 226	10 x 15/10ml
		MU	6 000	3 783	10 x 15/10ml
	MS	MU	15 100	21 158	24 x 2/1,5ml
	MS	MU	14 000	18 188	36 x 2/1,5ml
MD		MU	4 500	3 011	30 x 15/10ml
MD		MU	4 500	2 875	30 x 15/10ml
	MS	MU	14 000	15 558	10 x 10ml
	MS	MU	14 000	15 339	4 x 8 x 0,2ml PCR
		MU	6 300	5 014	4 x 100ml
MD			5 000	3 634	4 x 60ml
MD		MU	5 500	4 058	12 x 15/10ml
MD		MU	5 500	3 686	12 x 15/10ml
MD		MU	6 000	4 226	8 x 15/10ml
MD		MU	6 000	3 783	8 x 15/10ml
MD		MU	5 500	4 058	12 x 30/25ml
MD		MU	4 500	2 830	10 x 50ml
MD		MU	5 000	3 354	24 x 15/10ml
MD		MU	5 000	3 130	24 x 15/10ml
MD		MU	6 000	4 427	6 x 50ml
		MU	14 600	20 257	24 x 2/1,5ml
	MS		13 500	17 319	24 x 2/1,5ml
	MS	MU	12 000	13 684	20 x 1,8
	MS	MU	12 000	13 684	12 x 5ml
MD		MU	4 000	2 504	4 x 100ml
MD		MU	4 000	2 182	8 x 15/10ml
MD		MU	4 000	2 504	8 x 15/10ml
MD		MU	4 000	2 469	4 x 100ml
MD		MU	4 000	2 164	4 x 100ml
MD		MU	3 000	916	2 x 1 MTP
MD			1 235	130	12 gniazd / slots
	MS	MU	13 000	16 816	72 kapilary / capillaries 25mm
MD			2 500	769	4 x 2,2ml CYTO

[illegible]

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	S-LINE				M-LINE				
									
	MPW-54	MPW-55	MPW-56	MPW-150R	M-BASIC	M-UNIVERSAL	M-DIAGNOSTIC	M-SCIENCE	MPW-260
	120 ml	48 ml	120 ml	90 ml	120 ml / PRP	500 ml	500 ml	100 ml	500 ml
RCF max.	1 137, 3 122 x g	15 279 x g	3 341 x g	21 382 x g	2 469 x g	24 270 x g	4 830 x g	24 270 x g	24 270 x g
RPM max.	3 500, 5 800	14 500	6 000	15 000	4 000	18 000	6 000	18 000	18 000
	-	-	-	-20°C ÷ +40°C	-	-	-	-	-
Number of rotors (angle swing-out)	3/0	3/1	4/0	7/1	1	19/4	8/5	8/1	19/3
Rotor auto-recognition	-	-	-	•	-	•	•	•	•
Language	EN	EN	EN	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ	EN	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ
Cover tightening	-	-	-	-	-	-	-	-	-
User programs	-	9	-	100	5	100	100	100	100

	M-LINE		L-LINE				XL-LINE	
								
	MPW-260R	MPW-260RH	MPW-351e	MPW-352	MPW-352R	MPW-352RH	MPW-380	MPW-380R
	500 ml	500 ml	800 ml	1 000 ml	1 000 ml	1 000 ml	3 000 ml	3 000 ml
RCF max.	24 270 x g	24 270 x g	3 509 x g	29 703 x g	30 065 x g	30 065 x g	31 876 x g	31 876 x g
RPM max.	18 000	18 000	4 500	18 000	18 000	18 000	18 000	18 000
	-20°C ÷ +40°C	-20°C ÷ +55°C	-	-	-20°C ÷ +40°C	-20°C ÷ +55°C	-	-20°C ÷ +40°C
Number of rotors (angle swing-out)	19/3	19/3	4/3	27/7	27/7	27/7	13/4	13/4
Rotor auto-recognition	•	•	-	•	•	•	•	•
Language	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ	EN	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ	PL, EN, ES, IT, PT, DE, RU, SE, FR, CZ
Cover tightening	-	-	-	•	•	•	•	•
User programs	100	100	-	100	100	100	100	100



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