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NEW

Laboratory Centrifuge M-BASIC





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MANUFACTURER OF LABORATORY CENTRIFUGES

Laboratory Centrifuge

M-BASIC



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MPW MED.
INSTRUMENTS
46 Boremlowska
Street
04-347 Warsaw

NIP: 5250001753
REGON: 000401029
KRS: 0000128941

Tel: +4822 610-56-21
Fax: +4822 610-55-36

mpw@mpw.pl
www.mpw.pl

Sales Department:
WOJCIECH ROGULSKI
Vice Manager of Sales
Department
Tel: +4822 879-70-46
Fax: +4822 610-81-01
e-mail: wr@mpw.pl

MARIUSZ CZEPCZYŃSKI
Sales Department
Manager
Tel: +4822 740-14-25
Fax: +4822 610-81-01
e-mail: mc@mpw.pl





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TABLE OF CONTENTS

I. DESCRIPTION OF THE CENTRIFUGE 3

II. TECHNICAL DATA 4

 1. *Technical parameters* 4

 2. *Features* 5

 3. *Safety* 6

III. EQUIPMENT7

 1. *Set 1* 8

 2. *Set 2* 9

 3. *Set 3* 10

IV. NEWS 11

V. SUMMARY13

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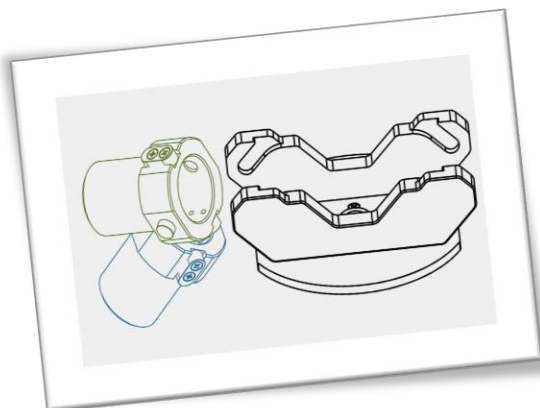


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I. DESCRIPTION OF THE CENTRIFUGE

We are pleased and proud to present you **M-BASIC**: an innovative, easy to use and highly efficient laboratory centrifuge. **Its advantage is a unique rotor that combines the features of traditional angular and horizontal rotors**, which offer the most economical solution, when the use of both angular and horizontal rotors is required for tests.

The revolutionary design allows to spin **at 45° and 90°** without changing the rotor, only by repositioning the buckets.



One Rotor – Two Spinning Modes

Thanks to its versatility, the same device can be used for daily tests (CBC or urine analysis) and for PRP preparation. It is suitable for small medical laboratories, research institutes and dental or esthetic medicine clinics. M-BASIC will also have application in surgery, orthopedics, veterinary medicine, sports medicine and many others.

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II. TECHNICAL DATA

1. Technical Parameters

FEATURE	102MB	UNIT
CAPACITY (max)	8 x 15 ml 2 x 50 ml 2 x 60 ml PRP	ml
RPM (max)	4 000	min ⁻¹
RPM (min)	300	min ⁻¹
RPM (step)	100	min ⁻¹
RCF (max)	2 469	x g
RCF (min.)	100	x g
MOC (max)	120	W
POWER 1	+	230V 50/60Hz
POWER 2	+	120 50/60Hz (opcja 100, 110, 127V 50/60Hz)
HEIGHT	300	mm
WIDTH	365	mm
DEPTH	450	mm
HEIGHT WITH OPEN LID	572	mm
GROUND - 230V / 120V	21/23kg	kg
NUMBER OF ROTORS	1	szt.

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2. Features

- **swing-out and angle rotor (unique system for placing buckets in horizontal and angular positions)**
- maintenance-free induction motor
- low noise level
- 5 user programs (chosen with use of direct selection key)
- changing of parameters during centrifugation
- saving previously used setting
- clear LED display
- device's status indicated by visual and sound signals
- easy speed or RCF adjustment (chosen with use of direct selection key)
- automatic lid opening
- time calculation when pressed START key or when reached preselected speed
- 2 acceleration characteristics: FAST, SOFT
- 3 deceleration characteristics: FAST, SOFT, RUN OUT
- HOLD operation mode (infinite time of centrifugation)
- SHORT time operation mode
- centrifugation cycles count
- effective ventilation system

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3. Safety

- stainless steel rotor chamber
- imbalance detection
- lock preventing from lid opening during centrifugation
- unable to start spinning if opened lid
- product conforming to the following standards:
EN-61010-1 and EN-61010-2-020, EN-61010-2-101



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III. EQUIPMENT



NEW

M-BASIC

HYBRID ROTOR

90° **45°**

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1.

SET 1

Cat no. 12815C (4 x 15ml, 4 x 50ml / PRP)

Cat no.	Name	Tubes
12815	Hybrid, swing-out and angle rotor	
13815	Hanger 4 x 15ml (complete with buckets 13080)	Falcon®, BD CPT®
14082	Round carrier without bottom	closed systems
14815	Pad under	closed systems, urine tube
13816	Bucket 50 ml/60ml	Falcon®, PRP
14816	Pad under	PRP
14817	Round carrier 50ml	Falcon®, Greiner®, PRP
14818	Pad under 50ml	Falcon®, Greiner®
14820	Round carrier 15ml	Falcon®





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2.

SET 2

Cat no. 12815C/A (4 x 15ml)

Cat no.	Name	Tubes
12815	Hybrid, swing-out and angle rotor	
13815	Hanger 4 x 15ml (complete with buckets 13080)	Falcon®, BD CPT®
14082	Round carrier without bottom	closed systems
14815	Pad under	closed systems, urine tube





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3.

SET 3

Cat no. 12815C/B (4 x 50ml / PRP)

Cat no.	Name	Tubes
12815	Hybrid, swing-out and angle rotor	
13816	Bucket 50 ml/60ml	Falcon®, PRP
14816	Pad under	PRP
14817	Round carrier 50ml	Falcon®, Greiner®, PRP
14818	Pad under 50ml	Falcon®, Greiner®
14820	Round carrier 15ml	Falcon®





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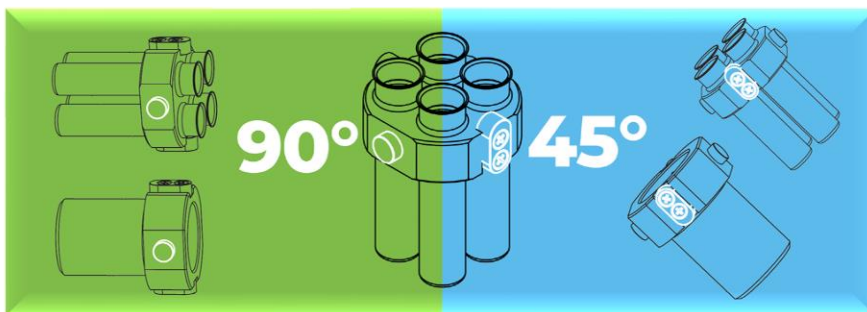
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IV. NEWS

INNOVATIVE EQUIPMENT



HYBRID SWING-OUT AND ANGLE ROTOR provides you with unlimited possibilities. Its advantage is unusual versatility. Two modes of rotation: angular and horizontal are easily changed by repositioning of buckets which allows to shift between the rotation angles of 45° and 90°.



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CONTROL SYSTEM

The centrifuge offers many simplified functions to facilitate its use and laboratory work, including but not limited to:

- Extremely intuitive control system
- Change of RPM and RCF parameters with the dedicated key
- Possibility to handwrite (with a marker) the names of user programs on the control panel
- Direct selection of a program with the dedicated key.

MODERN DESIGN

The compact shape corresponding to laboratory standards contributes to higher ergonomics and work safety.

ECONOMICAL

It presents high efficiency and highest quality while maintaining low costs (one rotor - two modes of rotation).

ENERGY-EFFICIENT

The centrifuge consumes only 120 W (equal to the power consumption of a laptop), which is one of the best results in this device class. It was constructed in accordance with technological processes which focus on material saving.

ECO-FRIENDLY

The centrifuge conforms to the ROHS 2 Directive. M-BASIC's small size fits in a small lab space, while its 8-tube capacity and low power consumption ensure efficiency without excessive environmental damage.

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V. SUMMARY

M-BASIC is a small, universal and easy to use laboratory centrifuge with exceptional possibilities.

It is a perfect solution for those who need a multipurpose, cost-efficient and easy to use centrifuge for everyday work in small medical laboratories, research institutes and dental or esthetic medicine clinics.

It is irreplaceable where one device is needed for various tests requiring the centrifugation with the use of both angular and horizontal rotors.

Excellent in regenerative therapy and in orthopedics, surgery (e.g.: oral and maxillofacial surgery, gynecology), aesthetic medicine, sports medicine (treatment of chronic pain syndromes) and many others.

Thanks to its modernity, reliability and versatility, it will undoubtedly contribute to the quality improvement of laboratory testing processes.

We warmly recommend our new product to you. We hope that **M-BASIC laboratory centrifuge** will meet the expectations of even the most demanding customers.

More information can be found on our website www.mpw.pl.

We invite you to contact us. Our employees are ready to help and advise you.

Best Regards
MPW Staff

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