

# REFRIGERATED MICROLITRECENTRIFUGE Z 216 MK



# Refrigerated Microcentrifuge Z 216 MK

The Z 216 MK Refrigerated Microcentrifuge sets a new standard in this centrifuge class. Capable of centrifuging up to 44 x 1,5 / 2,0 ml, it features a versatile control panel allowing for storage of up to 99 runs. The powerful refrigeration system keeps samples at temperatures as low as 4°C during a continuous run at 20000 xg.



## Specifications

- Maintenance-free induction drive
- Microprocessor with large LCD Display
- Motor driven lid lock
- Active imbalance-identification and -cut off
- Standstill cooling
- Audible signal at the end of each run
- Rapid acceleration and deceleration (see rotor data)
- Lowest sample temperature 4°C at 20000 xg
- Noise level < 56 dBA at 20000 xg
- Extremely compact with a space saving footprint
- Quick access to samples with a snap on lid
- Aerosol tight rotor option
- Manufactured according to international safety regulations, i.e. IEC 1010

## Distinct Control Panel

- Simple one handed operation
- Easy to program with gloves on
- Foil keyboard
- Permanent indication of preset and actual values
- Selection of speed in both rpm and g-force, with increments of 10
- „Quick“- key for short runs
- 10 acceleration and deceleration rates
- Storage of up to ninety nine runs
- Temperature range from -20° to 40°C
- Input and indication of temperature either in °C or °F
- Pre-cooling program (Pre-cooling time from room temperature to + 4°C < 10 min)
- Pre-selection of the running time from 10 sec to 99 h 59 min or continuous






## Technical data

max. Speed: 15000 min<sup>-1</sup>  
max RCF: 21380 xg  
max. Volume: 44 x 1,5 / 2,0 ml  
Speed range: 200 - 15000 rpm  
Running time: 59 min 50 sec / 10 sec increments  
99 h 59 min / 1 min increments

Dimensions (WxHxD): 28 cm x 29 cm x 55 cm  
Weight: 35 kg  
Power consumption: 500 W

Order numbers:  
305.00 V01 - Z 216 MK, 230 V / 50 - 60 Hz  
305.00 V02 - Z 216 MK, 120 V / 50 - 60 Hz

# Accessoires Z 216 MK

Rotor/Bucket	Adapters	Z 216 MK	Z 233 M-2	Z 160 M
 <p>Angle rotor 24 x 1,5 / 2,0 ml Angle: 45°</p>	<p>max. Speed: max. RCF: max. Radius:</p> <p>Acceleration time in sec: Deceleration time in sec:</p> <p><b>Order number:</b></p>	<p>15000 rpm 21380 xg 8,5 cm</p> <p>20/150 17/210</p> <p><b>220.87 V11</b></p>	<p>15000 rpm 21380 xg 8,5 cm</p> <p>15/26 15/28</p> <p><b>220.87 V05</b></p>	
 <p>Angle rotor 24 x 1,5 / 2,0 ml Angle: 45° (Aerosol tight)</p>	<p>max. Speed: max. RCF: max. Radius:</p> <p>Acceleration time in sec: Deceleration time in sec:</p> <p><b>Order number:</b></p>	<p>15000 rpm 21380 xg 8,5 cm</p> <p>20/150 17/210</p> <p><b>220.87 V08</b></p>	<p>15000 rpm 21380 xg 8,5 cm</p> <p>15/26 15/28</p> <p><b>220.87 V06</b></p>	
 <p>Angle rotor 30 x 1,5 / 2,0 ml Angle: 45°</p>	<p>max. Speed: max. RCF: max. Radius:</p> <p>Acceleration time in sec: Deceleration time in sec:</p> <p><b>Order number:</b></p>	<p>13500 rpm 19153 xg 9,4 cm</p> <p>27/230 24/180</p> <p><b>221.17 V05</b></p>	<p>14000 rpm 20598 xg 9,4 cm</p> <p>35/45 21/35</p> <p><b>221.17 V02</b></p>	
 <p>Angle rotor 44 x 1,5 / 2,0 ml Angle: 40°</p>	<p>max. Speed: max. RCF: max. Radius:</p> <p>Acceleration time in sec: Deceleration time in sec:</p> <p><b>Order number:</b></p>	<p>13500 rpm 17625/14670 xg 8,7/7,1 cm</p> <p>17/140 17/140</p> <p><b>220.88 V06</b></p>	<p>14000 rpm 18955/15558 xg 8,7/7,1 cm</p> <p>17/25 19/34</p> <p><b>220.88 V02</b></p>	
 <p>Angle rotor 64 x 0,5 ml Angle: 40°</p>	<p>max. Speed: max. RCF: max. Radius:</p> <p>Acceleration time in sec: Deceleration time in sec:</p> <p><b>Order number:</b></p>	<p>13500 rpm 16708/14263 xg 8,2/7,0 cm</p> <p>19/150 19/150</p> <p><b>220.92 V05</b></p>	<p>14000 rpm 18626/15339 xg 8,2/7,0 cm</p> <p>17/25 19/34</p> <p><b>220.92 V03</b></p>	
 <p>Angle rotor 18 x 1,5 / 2,0 ml Angle: 45°</p>	<p>max. Speed: max. RCF: max. Radius:</p> <p>Acceleration time in sec: Deceleration time in sec:</p> <p><b>Order number:</b></p>		<p>14000 rpm 15994 xg 7,3 cm</p> <p>9/20 9/20</p> <p><b>220.95 V01</b></p>	<p>14000 rpm 15994 xg 7,3 cm</p> <p>10 9</p> <p><b>220.95 V04</b></p>
 <p>Hematocritrotor Angle: 90°</p>	<p>max. Speed: max. RCF: max. Radius:</p> <p>Acceleration time in sec: Deceleration time in sec:</p> <p><b>Order number:</b></p>		<p>12000 rpm 14811 xg 9,2 cm</p> <p>24 32</p> <p><b>220.58 V08</b></p>	
 <p>Angle rotor 4 x 8-fach PCR Strips Angle: 45°</p>	<p>max. Speed: max. RCF: max. Radius:</p> <p>Acceleration time in sec: Deceleration time in sec:</p> <p><b>Order number:</b></p>	<p>15000 rpm 15342 xg 6,1 cm</p> <p>17/150 17/90</p> <p><b>221.38 V02</b></p>		

# Further Models



**Z 233 M-2**

**Order number:**

50-60 Hz / 120 V 282.00 V31  
50-60 Hz / 230 V 282.00 V30

## Aircooled Microcentrifuge

Brushless Motor  
LED display for speed / RCF and running time  
„Quick“- key for short runs  
Electrical lid lock  
Speed regulation 250 - 15000 rpm in increments of 250 rpm  
Time regulation 1 - 99 min in increments of 1 min or cont.

### Technical Data

max. Speed:	15000 min-1	Dimensions (WxHxD):	28 x 26 x 37 cm
max RCF:	21380 xg	Weight:	16 kg
max. Noise level:	57 dBA	Power consumption:	230 W
		Package:	38 x 38 x 48 cm / 17 kg



**Z 160 M**

**Order number:**

50-60 Hz / 120 V 290.00 P02 cpl. with rotor 220.95 V04  
50-60 Hz / 230 V 290.00 P01 cpl. with rotor 220.95 V04

## Aircooled Microcentrifuge

Brushless motor  
Electrical lid lock  
Speed regulation 1000 - 14000 rpm  
Time regulation 1 - 30 min in increments of 1min or cont.  
„Quick“- key for short runs

### Technical Data

max. Speed:	14000 min-1	Dimensions (WxHxD):	20 x 18 x 22 cm
max RCF:	15996 xg	Weight:	4,5 kg
max. Noise level:	57 dBA	Power consumption:	120 W
		Package:	31 x 25 x 31 cm / 6,5 kg



**Z 100 M**

**Order number:**

50-60 Hz / 120 V 292.00 P02  
50-60 Hz / 230 V 292.00 P01

## „Personal“- Microcentrifuge

### Technical Data

max. Speed:	6000 min-1	Dimensions (WxHxD):	15 x 10 x 15 cm
max RCF:	2000 xg	Weight:	0,9 kg
max. Volume:	6 x 1,5/2,0 ml	Package:	24 x 17 x 15 cm / 1,1 kg

### Extend of Supply

Unit incl. rotor for 6 x 1,5/2,0 ml, adapter 0,5 ml und 0,2 ml  
incl. rotor for 2 x PCR strips

**More from HERMLE:**



COMPACT CENTRIFUGE **Z 2206A**



**HERMLE Labortechnik GmbH**

Siemensstraße 25  
78564 Wehingen • Germany

Phone: + 49 7426/9622-50

Telefax: + 49 7426/9622-49

E-Mail: [vertrieb@hermle-labortechnik.de](mailto:vertrieb@hermle-labortechnik.de)

Web: [www.hermle-labortechnik.de](http://www.hermle-labortechnik.de)

