



PRODUCT BROCHURE · BENCHMARK SCIENTIFIC

Z216M K V2 9.22 SM

3 models inside · Life Science · Homogenizers & Cell Lysis



QUICK VIEW — SERIES AT A GLANCE

3 models in this document from Benchmark Scientific. Full specifications inside.

MODELS IN THIS DOCUMENT

D2400-R5V2 · BV1003-E · BV1003

SHIP WEIGHT

11 lb

VOLTAGE

115 V or 230 V, 50–60 Hz (discrete variants)

SOURCING

Authorized U.S. distributor

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High Speed Microcentrifuges

| Z216-M

| Z216-MK



HERMLE
Benchmark 

Z216-M

Z216-MK

Z216-M



Z216-MK

Specifications

- Maintenance-free induction drive
- Microprocessor with large LCD display
- Motor driven lid lock
- Active imbalance identification and cut off
- Standstill cooling
- CFC-free refrigeration system
- Rapid acceleration and deceleration (see rotor data)
- Lowest sample temperature 4°C at 20000xg
- Noise level < 60 dBA at 21379xg
- Extremely compact with a space saving footprint
- Quick access to samples
- Manufactured according to international safety regulations, i. e. IEC 61010

The Z216-M and Z216-MK are setting new standards in this centrifuge class. The Z216 series is capable of centrifuging up to 44x1.5/2.0ml at each run, features a compact design and quiet operation. They fit perfectly in any laboratory setting. The powerful refrigeration system of the Z216-MK keeps samples at temperatures as low as 4 °C during a continuous run at 20,000xg. With 9 rotor options including the unique Combi-Rotor for tubes and strips, the Z216 series is your lab's best companion.

Technical Data

max. speed:	15,000 rpm
max. RCF:	21,631 xg
max. volume:	44 x 1.5 / 2.0 ml
Speed range:	200 – 15,000 rpm
Temperature range	
Z216-MK:	-20°C to 40°C
Running time:	59 min 50 s / 10 s increments 99 h 59 min / 1 min increments

Dimensions:

Z216-M:	11 in x 11.5 in x 15 in 28 cm x 29 cm x 39 cm (WxHxD)
Z216-MK:	11 in x 11.5 in x 26 in 28 cm x 29 cm x 55 cm (WxHxD)

Weight:

Z216-M / Z216-MK:	37.5 lbs / 77 lbs (17 kg / 35 kg)
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Power input:

Z216-M / Z216-MK:	280 W / 560 W
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Order numbers:

Z216-M:	Z216 M, 120V / 50 - 60Hz Z216 M-E, 230V / 50 - 60Hz
Z216-MK:	Z216-MK, 120V / 50 - 60Hz Z216-MK-E, 230V / 50 - 60Hz



Z216-MK

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, possibility of unbraked deceleration
- Storage of up to 99 runs including rotor
- Temperature range from -20°C 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 s to 99 h 59 min or continuous.

■ Accessories Z216-M and Z216-MK

Rotor	Adapter				
Order No.: Z216-2420  Angle Rotor 24 x 1.5/2.0 ml Angle: 45° I hermetically sealable (Z216-2420H: w/ screw on metal lid)	Acceleration in s: 21/152 Deceleration in s: 18/173 max. speed: 15,000 rpm RCF: 21,379 xg max. radius: 8.5 cm max. Ø: 11 mm Temp. at max. speed: 6°C	Order No.: without without C1008-A5-6 C1008-A2-6	Adapter 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR	Ø [mm] 11 11 8 6	Length [min./max.]: 40 40 45 45
Order No.: Z216-2420S  Angle Rotor 24 x 1.5/2.0 ml and 4 x 8-PCR Strips Angle: 45°	Acceleration in s: 27/317 Deceleration in s: 20/185 max. speed: 15,000 rpm RCF Tubes: 21,631 xg Strips: 13,582 xg max. radius: 8.5 cm/5.4 cm max. Ø: 11 mm Temp. at max. speed: 11°C	Order No.: without without C1008-A5-6 C1008-A2-6 without Adapter	Adapter 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR 1 x 8 PCR Stripes	Ø [mm] 11 11 8 6 6	Length [min./max.]: 40 40 45 45 20
Order No.: Z216-3020H  Angle Rotor 30 x 1.5/2.0 ml Angle: 45°	Acceleration in s: 29/237 Deceleration in s: 27/258 max. speed: 13,500 rpm RCF: 19,151 xg max. radius: 9.4 cm max. Ø: 11 mm Temp. at max. speed: 9°C	Order No.: without without C1008-A5-6 C1008-A2-6	Adapter 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR	Ø [mm] 11 11 8 6	Length [min./max.]: 40 40 45 45
Order No.: Z216-4420  Angle Rotor 44 x 1.5/2.0 ml Angle: 32°/55°	Acceleration in s: 35/259 Deceleration in s: 18/188 max. speed: 15,000 rpm RCF: 21,127/21,379 xg max. radius: 8.4/8.5 cm max. Ø: 11 mm Temp. at max. speed: 10°C	Order No.: without without C1008-A5-6 C1008-A2-6	Adapter 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR	Ø [mm] 11 11 8 6	Length [min./max.]: 40 40 45 45
Order No.: Z216-24SC  Angle Rotor 24 x 2.0 ml Spin Column Kits Angle: 45°	Acceleration in s: 16/136 Deceleration in s: 12/88 max. speed: 13,500 rpm RCF: 17,317 xg max. radius: 8.5 cm max. Ø: 11 mm Temp. at max. speed: 9°C	Order No.: without Adapter	Adapter 1 x 2.0 ml	Ø [mm] 11	Length [min./max.]: 40
Order No.: Z216-1205  Angle Rotor 12 x 5 ml centrifuge tubes Angle: 45°	Acceleration in s: 23/146 Deceleration in s: 16/320 max. speed: 14,500 rpm RCF: 19,978 xg max. radius: 8.5 cm max. Ø: 17 mm Temp. at max. speed: 7°C	Order No.: without Z216-05-C10 Z216-05-C18	Adapter 1 x 5.0 ml conical 1 x 1.0 ml Cryo, flat 1 x 1.8 ml Cryo, round	Ø [mm] 17 11 12.6 12.6	Length [min./max.]: 60 40 41 48
Order No.: Z216-3202  Angle Rotor 4 x 8-PCR strips Angle: 45°	Acceleration in s: 17/149 Deceleration in s: 19/94 max. speed: 15,000 rpm RCF: 15,343 xg max. radius: 6.1 cm max. Ø: 6 mm Temp. at max. speed: 6°C				
Order No.: Z216-24HEM Z216-M only Hematocrit rotor 24 x capillaries Angle: 90°	Acceleration in s: 15/119 Deceleration in s: 15/119 max. speed: 12,000 rpm RCF: 14,970 xg max. radius: 9.3 cm				
Order No.: Z216-1220H Z216-M only Swing out rotor 12 x HLA / 1.5/2.0 ml Angle: 90°	Acceleration in s: 5/30 Deceleration in s: 5/90 max. speed: 9,000 rpm RCF: 7,510 xg max. radius: 8.3 cm				

The Perfect Fit



More from **HERMLE**
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Z446-K **Refrigerated Universal Centrifuge**

Swing out rotor holds up to:
28 x 50 ml and 68 x 15 ml tubes



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