# HERMLE
## Benchmark

## Z216 *Series*  Z216-M  Z216-MK

### Microcentrifuges

- Unique 44 place micro rotor
- High speed, up to 21,379 x g
- Available with refrigeration
- **11** rotor options for microtubes, PCR strips and 5ml tubes



**Z216-M** *Microcentrifuge*



*Refrigerated*

**Z216-MK** *Microcentrifuge*

HERMLE Benchmark Z 216 M

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## Z216 Series Summary

Speed up to 15,000 rpm
G-Force up to 21,631 x g

Angle Rotor Capacity
- 44 x 1.5/2.0 ml
- 4 x PCR Strips
- 60 x 0.5 ml
- 12 x 5 ml

## Z216 Features

Microprocessor Control
- Over-speed protection
- Program Storage (99)
- Pre-Cool function (Z216-K only)
- Momentary spin button
- Imbalance detection
- Adjustable Accel/Decel
- Audible end of run alarm

Maintenance free induction drive
Motor driven safety lid-lock
Quiet operation, less than 60 DB
Splash proof display
Powerful Refrigeration (Z216-K only)
(Room temp to 4°C in less than 10 min.)

## Z216 Specifications

| | |
|---|---|
| Speed Range: | 200 to 15,000 rpm |
| Max. RCF: | 21,631 x g |
| Max Capacity: | 44 x 1.5/2.0 ml |
| Timer: | up to 99 hr, 59 min. |
| Dimensions: (W x D x H) | 11 x 15.3 x 11.4 in. 28 x 39 x 29 cm. |
| Z216-MK | 11 x 21.6 x 11.4 in. 28 x 55 x 29 cm. |
| Weight: | 37.4 lbs (17 kg) |
| Z216-MK | 77 lbs (35 kg) |
| Electrical: | 120 or 230V, 50/60Hz |
| Power Draw: | 280W (Z216-MK: 560W) |
| Temp Range: (Z216-MK only) | ‑20° - 40° C |

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Compact, quiet, and powerful are just a few of the features found on the Z216 series microcentrifuges.  Add to this, the versatility of eleven available rotor options, and the result is the ideal microcentrifuge for the modern molecular biology laboratory.

All common microtubes (0.2ml, 0.5ml, 1.5ml, 2.0ml) can be accepted as well as PCR strips, hematocrit tubes, and even 5.0ml centrifuge tubes. Advanced microprocessor controls allow for setting/displaying of the rotational speed in either rpm or rcf. In addition to retrieving saved programs, the easy to use front panel can adjust accel/decel rates, and change the end of run alarm tone.

Despite a remarkably small footprint, the Z216 series offers a uniquely designed 44 x 1.5ml dual row rotor, nearly doubling the capacity when compared to traditional microcentrifuges. Select rotors also feature our convenient Quick-Seal™ lid which locks with just a quarter turn.

In the Z216-MK model a powerful, compressor driven cooling system maintains temperatures as low as -20°C and is designed to reach 4°C (from room temperature) in less than 10 minutes.

| | | |
|---|---|---|
| Z216-M* | Centrifuge (without rotor), 120V | |
| Z216-MK* | Z216-MK Refrigerated Centrifuge (without rotor), 120V | |

*115V with US Plug.  For 230V (EU Plug), please order -E.



**Item: Z216-2420**
24 x 1.5/2.0ml Angle Rotor w/ Quick-Seal lid (45°)
Max Speed: 15,000 rpm / 21,379 x g
Accel: 21 sec. / Decel: 18 sec.



**Item: Z216-4420**
44 x 1.5/2.0ml Angle Rotor w/ Quick-Seal lid (32°/55°)
Max Speed: 15,000 rpm / 21,379 x g
Accel: 25 sec. / Decel: 17 sec

NEW!



**Item: Z216-2420S**
24 x 1.5/2.0ml + 4 x PCR COMBI-rotor w/ Quick-Seal lid (45°)
Max Speed: 15,000 rpm / 21,631 x g
Accel: 28 sec. / Decel: 27 sec



**Item: Z216-2420H**
24 x 1.5/2.0ml Angle Rotor (45°) Hermetically Sealed Lid
Max Speed: 15,000 rpm / 21,379 x g
Accel: 21 sec. / Decel: 21 sec.



**Item: Z216-3020H**
30 x 1.5/2.0ml Angle Rotor (45°) Hermetically Sealed Lid
Max Speed: 13,500 rpm / 19,151 x g
Accel: 29 sec. / Decel: 27 sec.



**Item: Z216-6405**
64 x 0.5ml Angle Rotor (40°/55°)
Max Speed: 13,500 rpm / 16,298 x g*
Accel: 16 sec. / Decel: 17 sec.

*14,261 (inner row)



**Item: Z216-3202**
4 x 8 PCR Strips / 32 x 0.2ml (45°) Hermetically Sealed
Max Speed: 15,000 rpm / 15,343 x g
Accel: 17 sec. / Decel: 16 sec.



**Item: Z216-1205**
12 x 5ml (45°) Hermetically Sealed
Max Speed: 14,500 rpm / 19,978 x g
Accel: 24 sec. / Decel: 17 sec.



**Item: Z216-24HEM**
24 x Capillaries (90°) Z216-M ONLY
Max Speed: 12,000 rpm / 14,970 x g
Accel: 15 sec. / Decel: 15 sec.



**Item: Z216-24SC**
24 x 2.0ml Spin Column Kits w/ Quick-Seal lid (45°)
Max Speed: 9,000 rpm / 7,510 x g
Accel: 21 sec. / Decel: 18 sec.

**Inserts/Adapters**
| | |
|---|---|
| Z216-05-C10: | 1.0ml Cryo |
| Z216-05-C18: | 1.8ml Cryo |

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**Item: Z216-1220H**
12 x 1.5/2.0ml Swing out rotor (90°)
Max Speed: 9,000 rpm / 7,510 x g
Accel: 5 sec. / Decel: 5 sec.