

# High Speed Microcentrifuge

■ Z216-M

■ Z216-MK



**HERMLE**  
**Benchmark** 

44 x 2.0 ml

# Z216-M

# Z216-MK



Compact, quiet, and powerful are just a few of the features of the Z216 series microcentrifuges. Add to this, the versatility of ten 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. 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.

### Technical Data

|                   |  |
|-------------------|--|
| max. Speed:       | 15000 rpm  |
| max. RCF:         | 21379 xg   |
| max. volume:      | 44 x 1.5 / 2.0 ml  |
| Speed range:      | 200 - 15000 rpm  |
| Temperature range |  |
| Z216-MK:          | -20°C to 40°C  |
| Running time:     | 59 min 50 s / 10 s increments<br>99 h 59 min / 1 min increments            |
| Dimensions:       |  |
| Z216-M:           | 11 in x 11.5 in x 15.3 in (W x H x D)<br>28 cm x 29 cm x 39 cm (W x H x D) |
| Z216-MK:          | 11 in x 11.5 in x 21.6 in (W x H x D)<br>28 cm x 29 cm x 55 cm (W x H x D) |
| Weight:           |  |
| Z216-M:           | 37.5 lbs / 17 kg   |
| Z216-MK:          | 77 lbs / 35 kg   |
| Power input:      |  |
| Z216-M:           | 280 W  |
| Z216-MK:          | 560 W  |
| Order numbers:    |  |
| Z216-M:           | Z216-M, 120 V / 50 - 60 Hz<br>Z216-M-E, 230 V / 50 - 60 Hz                 |
| Z216-MK:          | Z216-MK, 120 V / 50 - 60 Hz<br>Z216-MK-E, 230 V / 50 - 60 Hz               |



### 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

### 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 20000 xg
- Noise level < 60 dBA at 21379 xg
- Extremely compact with a space saving footprint
- Quick access to samples with a snap on lid
- Manufactured according to international safety regulations, i. e. IEC 61010

