

# Microlitre Centrifuges

- Z 216 M
- Z 216 MK2



44 x 2.0 ml

# Z 216 M

# Z 216 MK2



## 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
- CFC-free refrigeration system
- Rapid acceleration and deceleration (see rotor data)
- Lowest sample temperature 4°C at 20,000 x g
- Noise level < 60 dBA at 21,380 x g
- Extremely compact with a space saving footprint
- Quick access to samples with a snap on rotor cover
- Manufactured according to international safety regulations, i. e. IEC 61010

The Z 216 M and Z 216 MK2 are setting new standards in this centrifuge class, capable of centrifuging up to 44 x 1.5 / 2.0 ml at each run. Due to their compact design and quiet running properties they fit perfectly in their working area. The powerful refrigeration system of Z 216 MK2 keeps samples at temperatures as low as 4°C during a continuous run at 20,000 x g.

## Technical Data

max. Speed:	15,000 min <sup>-1</sup>
max. RCF:	21,380 x g
max. volume:	44 x 1.5 / 2.0 ml
Speed range:	200 - 15,000 min <sup>-1</sup>
Temperature range	
Z 216 MK2:	-20°C to 40°C
Running time:	59 min 50 s / 10 s increments 99 h 59 min 50 s / 1 min increments

## Dimensions (WxHxD):

Z 216 M:	28 x 29 x 39 cm / 11 x 11.5 x 15.3 in
Z 216 MK2:	28 x 29 x 55 cm / 11 x 11.5 x 21.6 in

## Weight:

Z 216 M:	17 kg / 37 lbs
Z 216 MK2:	35 kg / 77 lbs

## Power input:

Z 216 M:	280 W
Z 216 MK2:	560 W

## Order numbers:

Z 216 M:	C0216-M - 120 V / 50 - 60 Hz C0216-M-230V - 230 V / 50 - 60 Hz
Z 216 MK2:	C0216-MK2 - 120 V / 50 - 60 Hz C0216-MK2-230V - 230 V / 50 - 60 Hz



## Distinct Control Panel

- Simple one handed operation
- Easy to program with gloves on
- 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 Z 216 M and Z 216 MK2

Rotor/Buckets	Adapter				
<p>Order No.: C0216-24-V2</p>  <p>Angle rotor 24 x 1.5/2.0 ml Angle: 45°</p>	<p>Acceleration in s: 21/152 Deceleration in s: 18/173 max. speed: 15,000 min<sup>-1</sup> RCF: 21,380 x g max. radius: 8.5 cm max. ø: 11 mm Temp. at max. speed: 6°C</p>	<p>Order Nr.: no adapter no adapter C1205 C1206 C1222</p>	<p>Tube rack 1.5 ml 2.0 ml 0.5/0.6 ml 0.4/0.25 ml 0.2 ml</p>	<p>ø (mm) 11 11 8 6 6</p>	<p>Length (min./max.) 40 40 45 45 45</p>
<p>Order No.: C0216-24H-V2</p>  <p>Angle rotor 24 x 1.5/2.0 ml Angle: 45°</p>	<p>Acceleration in s: 21/151 Deceleration in s: 21/217 max. speed: 15,000 min<sup>-1</sup> RCF: 21,380 x g max. radius: 8.5 cm max. ø: 11 mm Temp. at max. speed: 4°C</p>	<p>Order Nr.: no adapter no adapter C1205 C1206 C1222</p>	<p>Tube rack 1.5 ml 2.0 ml 0.5/0.6 ml 0.4/0.25 ml 0.2 ml</p>	<p>ø (mm) 11 11 8 6 6</p>	<p>Length (min./max.) 40 40 45 45 45</p>
<p>Order No.: C0216-30H-V2</p>  <p>Angle rotor 30 x 1.5/2.0 ml Angle: 45°</p>	<p>Acceleration in s: 29/235 Deceleration in s: 27/258 max. speed: 13,500 min<sup>-1</sup> RCF: 19,153 x g max. radius: 9.4 cm max. ø: 11 mm Temp. at max. speed: 7°C</p>	<p>Order Nr.: no adapter no adapter C1205 C1206 C1222</p>	<p>Tube rack 1.5 ml 2.0 ml 0.5/0.6 ml 0.4/0.25 ml 0.2 ml</p>	<p>ø (mm) 11 11 8 6 6</p>	<p>Length (min./max.) 40 40 45 45 45</p>
<p>Order No.: C0216-44-V2</p>  <p>Angle rotor 44 x 1.5/2.0 ml Angle: 40°</p>	<p>Acceleration in s: 18/136 Deceleration in s: 17/133 max. speed: 13,500 min<sup>-1</sup> RCF: 17,722 / 14,463 x g max. radius: 8.7 / 7.1 cm max. ø: 11 mm Temp. at max. speed: 7°C</p>	<p>Order Nr.: no adapter no adapter C1205 C1206 C1222</p>	<p>Tube rack 1.5 ml 2.0 ml 0.5/0.6 ml 0.4/0.25 ml 0.2 ml</p>	<p>ø (mm) 11 11 8 6 6</p>	<p>Length (min./max.) 40 40 45 45 45</p>
<p>Order No.: C0216-64-V2</p>  <p>Angle rotor 64 x 0.5 ml Angle: 40°</p>	<p>Acceleration in s: 16/136 Deceleration in s: 17/180 max. speed: 13,500 min<sup>-1</sup> RCF: 16,708 / 14,263 x g max. radius: 8.7 / 7.1 cm max. ø: 8 mm Temp. at max. speed: 6°C</p>	<p>Order Nr.: no adapter</p>	<p>Tube rack 0.5 ml</p>	<p>ø (mm) 8</p>	<p>Length (min./max.) 45</p>
<p>Order No.: C0216-12.5-V2</p>  <p>Angle rotor 12 x 5 ml Reaction tubes Angle: 45°C</p>	<p>Acceleration in s: 24/148 Deceleration in s: 17/320 max. speed: 14,500 min<sup>-1</sup> RCF: 19,974 x g max. radius: 8.5 cm max. ø: 1.7 mm Temp. at max. speed: 4°C</p>	<p>Order Nr.: 701.015 701.016 701.017</p>	<p>Tube rack 1.5 - 2 ml reaction tube 1.0 ml Cryo tube 1.8 ml Cryo tube</p>	<p>ø (mm) 11 12.6 12.6</p>	<p>Length (min./max.) 42 41 48</p>
<p>Order No.: C0216-38-V2</p>  <p>Angle rotor 4 x 8-PCR Strips Angle: 45°C</p>	<p>Acceleration in s: 17/150 Deceleration in s: 20/95 max. speed: 15,000 min<sup>-1</sup> RCF: 15,342 x g max. radius: 6.1 cm max. ø: 6 mm Temp. at max. speed: 2.5°C</p>				
<p>Order No.: C0230-58-V2*</p> <p>*Just for 216 M</p> <p>Hematocrit rotor 24 x capillaries Angle: 90°</p> 	<p>Acceleration in s: 15/120 Deceleration in s: 15/120 max. speed: 12,000 min<sup>-1</sup> RCF: 14,968 x g max. radius: 9.3 cm</p>				