

# HERMLE

## Benchmark

### Z326 *Series*

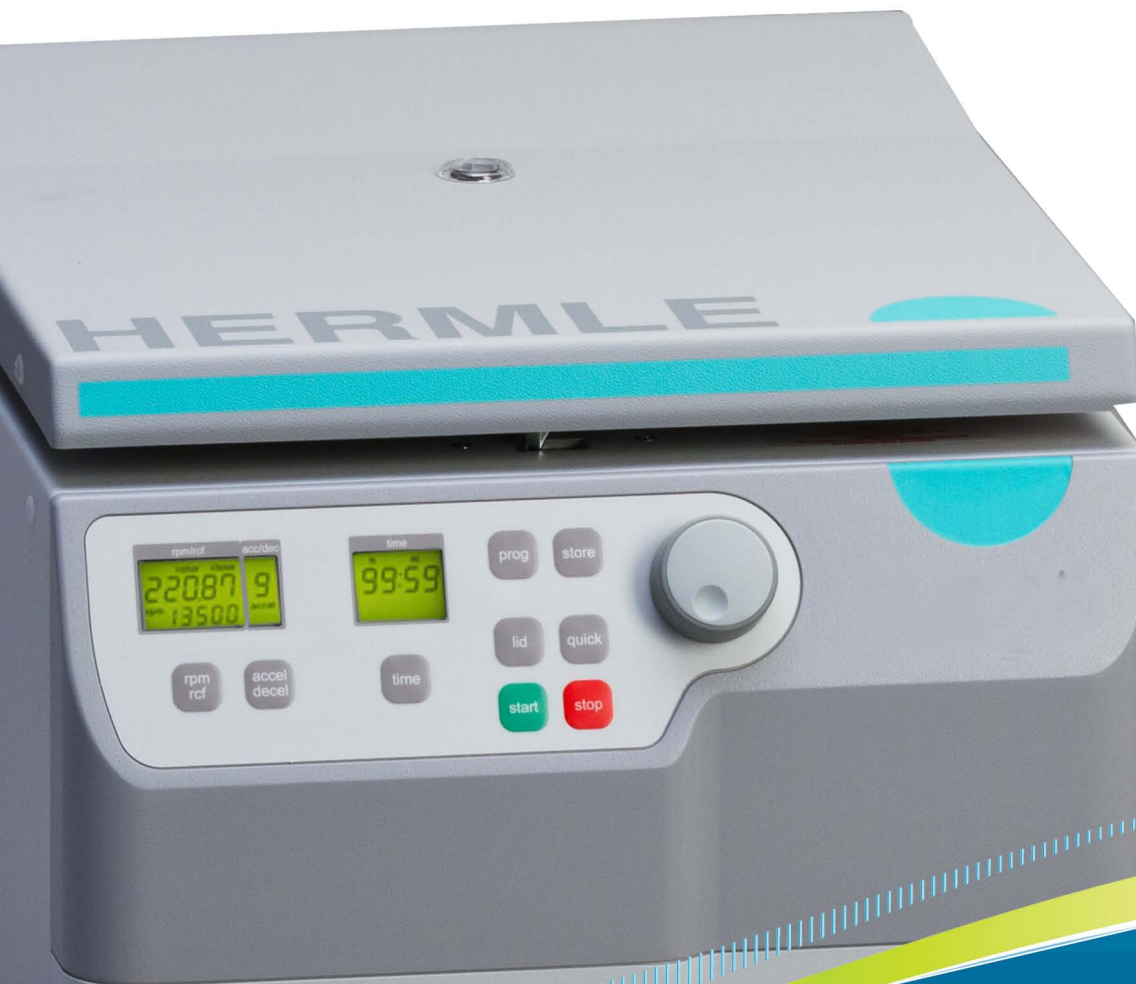
Z326

Z326-K

### Universal Centrifuges



- Truly Universal, 17 available rotor options
- Advanced programming with auto rotor recognition
- Available with refrigeration
- Swing out rotor for 8 x 50ml or 12 x 15ml



Z326 Universal Centrifuge



Refrigerated

Z326-K Universal Centrifuge

### Z326 Series Summary

Speed up to 18,000 rpm  
 G-Force up to 23,542 x g  
 Swing Out Capacity:  
 4 x 145ml  
 8 x 50 ml  
 12 x 15 ml  
 6 x microplates

Angle Rotor Capacity  
 44 x 1.5/2.0 ml  
 6 x 50 ml  
 30 x 15 ml

### Z326 Features

#### Microprocessor Control

- Over-speed protection
- Automatic rotor identification
- Program Storage (99)
- Pre-Cool function (Z326-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 62 DB
- Splash proof display
- Powerful Refrigeration (Z326-K only)

### Z326 Specifications

Speed Range: 200 to 18,000 rpm  
 Max. RCF: 23,542 x g  
 Max Capacity: 4 x 145 ml  
 Timer: up to 99 hr, 59 min.  
 Dimensions: 15.8 x 18.9 x 14.1 in.  
 (W x D x H) 40 x 48 x 36 cm.  
 Z326-K 15.8 x 27.5 x 14.1 in.  
 40 x 70 x 36 cm.  
 Weight: 94.6 lbs (43 kg)  
 Z326-K 132 lbs (60 kg)  
 Electrical: 120 or 230V, 50/60Hz  
 Power Draw: 455W (Z326-K: 600W)

Temp Range: -20° - 40° C  
 (Z326-K only)



With 17 available rotor options, the Z326 series defines the term “universal”. Swinging bucket rotors and high speed angled rotors are available to accept tubes from 0.2ml up to 85ml, making the Z326 series suitable for nearly any laboratory application.

Despite an impressive capacity of up to 4 x 145ml (or 6 x 85ml), the Z326 is surprisingly compact with both the standard air-cooled model and refrigerated model featuring a width of just over 15 inches.

Advanced microprocessor controls allow for instant rotor identification, which automatically converts the rotational speed to the relevant g-force (rcf), preventing the user from setting a speed above the capabilities of the installed rotor. 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.

#### Ordering Information:

Z326\* Z326 Centrifuge (without rotor), 120V  
 Z326-K\* Z326-K Refrigerated Centrifuge (without rotor), 120V

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

## Universal Swing Out Rotors:



<b>Item: Z306-100</b>
4 x 145ml Swing Out Rotor (90°)
Max Speed: 4,500 rpm / 3,350 x g
Accel: 15 sec. / Decel: 15 sec.

Inserts:	Tube	qty/ insert	qty./ rotor
Z306-100-A145	145ml	1	4
Z306-100-A100:	100ml	1	4
Z306-100-A85:	85ml	1	4
Z306-100-A50:	50ml conical	1	4
Z306-100-A15:	15ml conical	2	8
Z306-100-A10:	10ml	7	28
Z306-100-A57:	5/7ml	7	28
Z306-100-A20:	1.5/2.0ml	10	40

\*Inserts sold in 2/pk.  
Rotor accepts 4 inserts (2 x 2/pk.)



<b>Item: Z326-100H</b>
4 x 100ml Swing Out Rotor <b>with</b> hermetically sealed buckets (90°)
Max Speed: 5,000 rpm / 3,885 x g
Accel: 15 sec. / Decel: 15 sec.

Inserts	Tube	qty/ insert	qty./ rotor
Z326-100H-A100:	100ml	1	4
Z326-100H-A85:	85ml	1	4
Z326-100H-A50:	50ml conical	1	4
Z326-100H-A15:	15ml conical	2**	8
Z326-100H-A15S	15ml conical	1	4
Z326-100H-A10:	10ml	4	16
Z326-100H-A57:	5/7ml	4	16
Z326-100H-A20:	1.5/2.0ml	5	20

\*Inserts for Z326-100H Rotor, sold in 2/pk.  
Rotor accepts 4 inserts (2 x 2/pk.)

\*\*without lid

<b>Item: Z326-100H-AC</b>
Same as above, <b>without</b> buckets



Z326-100H-AC



B50

B15

Buckets	Tube	qty/ Bucket	qty./ rotor
Z326-100H-B50	50ml conical	2	8
Z326-100H-B15	15ml conical	3	12
Z326-100H-BUK	Hermetically Sealed Buckets (for use with Z326-100H-XXX inserts above)		

\*Buckets for Z326-100H-AC rotor, sold in 2/pk.  
Rotor accepts 4 buckets (2 x 2/pk.)

## Additional Rotors (Low Speed):



New optional accessory!!!

### Z326-MPCA

3 x chamber slide and dish carrier



Fits all Hermle microplate carriers!!!

<b>Item: Z326-02MP</b>
Swing Out Rotor 2 x 3 microplates (90°)
Max Speed: 4,500 rpm / 2,716 x g
Accel: 20 sec. / Decel: 15 sec.

<b>Inserts</b>
BT1500-A1520: 20 x 1.5ml
BT1500-A05: 20 x 0.5ml
Z326-MPCA: 3 x chamber slide and dish carrier, 2/pk



<b>Item: Z326-0650LS</b>
6 x 50ml Angle Rotor (40°)
Max Speed: 6,000 rpm / 4,427 x g
Accel: 13 sec. / Decel: 11 sec.

<b>Inserts/Adapters</b>
Z206-50-A15: 15ml (conical or round)
Z206-50-A57: 5-7ml (12-13mm)
Z206-50-A57C: Cushion for 5ml tube



<b>Item: Z326-1215</b>
12 x 15ml Angle Rotor (32°)
Max Speed: 6,000 rpm / 4,427 x g
Accel: 13 sec. / Decel: 11 sec.

<b>Inserts/Adapters</b>
C3100-ADP: 5-7ml (12-13mm)



<b>Item: Z326-3015</b>
30 x 15ml Angle Rotor (35°)
Max Speed: 4,500 rpm / 2,830 x g*
Accel: 15 sec. / Decel: 10 sec.

<b>Inserts/Adapters</b>
C3100-ADP: 5-7ml (12-13mm)

### Additional Rotors (High Speed):



**Item: Z326-0685-25**

6 x 85ml Angle Rotor (25°)  
"Super rotor" Fits 85ml, 50ml, 15ml, and 7ml

Max Speed: 11,000 rpm / 13,932 x g (Z326)  
Max Speed: 13,500 rpm / 20,984 x g (Z326K)

Accel: 40 sec. / Decel: 50 sec.

**Inserts/Adapters**

Z326-85-A15R: 15ml round  
Z326-85-A15: 15ml conical  
Z326-85-A50R: 50ml round  
Z326-85-A50: 50ml conical



**Item: Z326-0650-HS**

6 x 50ml Angle Rotor (26°) Round

Max Speed: 12,000 rpm / 13,522 x g  
Accel: 40 sec. / Decel: 30 sec.

**Inserts/Adapters**

Z326-50-A30: 30ml round  
Z326-50-A15R: 15ml (conical or round)



**Item: Z326-1050**

10 x 50ml Angle Rotor (38°) Conical

Max Speed: 7,500 rpm / 8,174 x g  
Accel: 62 sec. / Decel: 36 sec.

**Inserts/Adapters**

Z326-50-A15: 15ml conical  
Z326-50-B15: 15ml round  
C3100-ADP: 5-7ml (in 15ml adapter)



**Item: Z326-1205**

12 x 5ml Angle Rotor (45°)

Max Speed: 14,000 rpm / 18,624 x g (Z326)  
Max Speed: 15,000 rpm / 21,379 x g (Z326K)

Accel: 25 sec. / Decel: 25 sec.\*

**Inserts/Adapters**

Z216-05-C10: 1.0ml Cryo  
Z216-05-C18: 1.8ml Cryo



**Item: Z326-2010**

20 x 10ml Angle Rotor (30°)

Max Speed: 12,000 rpm / 15,775 x g  
Accel: 40 sec. / Decel: 30 sec.



**Item: Z326-2420**

24 x 1.5/2.0ml Angle Rotor with Quick-Seal lid (45°)

Max Speed: 14,000 rpm / 18,624 x g (Z326)  
Max Speed: 15,000 rpm / 21,379 x g (Z326K)

Accel: 23 sec. / Decel: 16 sec.\*



**Item: Z326-2420H**

24 x 1.5/2.0ml Angle Rotor (45°)  
Hermetically Sealed Lid

Max Speed: 14,000 rpm / 18,624 x g (Z326)  
Max Speed: 15,000 rpm / 21,379 x g (Z326K)

Accel: 23 sec. / Decel: 16 sec.\*



**Item: Z326-3020H**

30 x 1.5/2.0ml Angle Rotor (45°)  
Hermetically Sealed Lid

Max Speed: 13,000 rpm / 17,758 x g (Z326)  
Max Speed: 14,000 rpm / 20,505 x g (Z326K)

Accel: 25 sec. / Decel: 25 sec.\*



**Item: Z326-1220H**

12 x 1.5/2.0ml Angle Rotor (40°)  
Hermetically Sealed Lid

Max Speed: 18,000 rpm / 23,542 x g  
Accel: 25 sec. / Decel: 20 sec.



**Item: Z326-4420**

44 x 1.5/2.0ml Angle Rotor with Quick-Seal lid (32°/55°)

Max Speed: 15,000 rpm / 21,379 x g  
Accel: 24 sec. / Decel: 20 sec



**Item: Z326-6405**

64 x 0.5ml Angle Rotor (40°)

Max Speed: 13,500 rpm / 16,298 x g (14,261)  
Accel: 17 sec. / Decel: 12 sec



**Item: Z326-3202**

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: 12 sec

\* Acceleration and deceleration provided for the maximum speed of model Z326.

### Also Available from Benchmark:

## Z446 Series High Capacity Centrifuges

Swing Out Rotor Accepts up to:

- 56 x 15ml conical tubes
- 28 x 50ml conical tubes
- 12 x microplates

