

# HERMLE

## Benchmark

# Z306

## Universal Centrifuge



- Universal, 9 available rotor options
- Compact, less than 14 inches wide
- Advanced programming with auto rotor recognition
- Swing out rotor for 8 x 50ml or 12 x 15ml



Z306 Universal Centrifuge

## Z306 Summary

Speed up to 14,000 rpm  
G-Force up to 18,624 x g  
Swing Out Capacity:  
8 x 50 ml, 12 x 15 ml,  
6 x microplates

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

## Z306 Features

### Microprocessor Control

- Over-speed protection
- Automatic rotor identification
- Program Storage (99)
- Momentary spin button
- Imbalance detection
- Adjustable Accel/Decel
- Audible end of run alarm

- Maintenance free induction drive
- Electrical safety lid-lock
- Quiet operation, less than 63 DB
- Splash proof display

## Z306 Specifications

Speed Range: 200 to 14,000 rpm  
Max. RCF: 18,624 x g  
Max Capacity: 4 x 100 ml  
Timer: up to 99 hr, 59 min.  
Dimensions: 13.9 x 18.6 x 13 in.  
(W x D x H) 35.5 x 47.4 x 33 cm.  
Weight: 66 lbs (30 kg)  
Electrical: 120 or 230V, 50/60Hz  
Power Draw: 240W



The Z306 is a compact and economical centrifuge with a series of rotor options making it well suited for clinical, industrial, and research laboratories.

Despite the impressive capacity of the 4 x 100ml rotor (capable of supporting 8 x 50ml or 12 x 15ml with the use of rotor inserts), the Z306 is surprisingly compact with a footprint of just over 14 x 18 inches. An optional rotor is also available for microplates (2 x 3 microplates), positioning this model as one of the smallest, and least expensive centrifuges capable of high speed microplate centrifugation.

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:

Z306\*                      Z306 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 100ml Swing Out Rotor (90°)
Max Speed: 4,500 rpm / 3,350 x g
Accel: 14 sec. / Decel: 19 sec.

Inserts:	Tube	qty/ insert	qty./ rotor
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: 4,000 rpm / 2,486 x g
Accel: 12 sec. / Decel: 12 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-A10:	10ml	4	16
Z326-100H-A57:	5/7ml	4	16
Z326-100H-A20:	1.5/2.0ml	5	20

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

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

Buckets	Tube	qty/ Bucket	qty./ rotor
Z326-100H-B50	50ml	2	8
Z326-100H-B15	15ml	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.)



Z326-100H-AC



B50

B15

## Additional Rotors (Low Speed):



<b>Item: Z326-02MP</b>
Swing Out Rotor 2 x 3 microplates (90°)
Max Speed: 4,500 rpm / 2,716 x g
Accel: 23 sec. / Decel: 20 sec.

<b>Inserts</b>
BT1500-A1520: 20 x 1.5ml
BT1500-A05: 20 x 0.5ml



<b>Item: Z326-0650-LS</b>
6 x 50ml Angle Rotor (40°)
Max Speed: 6,000 rpm / 4,427 x g
Accel: 11 sec. / Decel: 14 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: 11 sec. / Decel: 14 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: 19 sec. / Decel: 20 sec.

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



### Additional Rotors (High Speed):



<b>Item: Z326-2420</b>
24 x 1.5/2.0ml Angle Rotor (40°)
Max Speed: 14,000 rpm / 18,624 x g (Z326)
Accel: 25 sec. / Decel: 36 sec.



<b>Item: Z326-2420H</b>
24 x 1.5/2.0ml Angle Rotor (40°) Hermetically Sealed Lid
Max Speed: 14,000 rpm / 18,624 x g
Accel: 25 sec. / Decel: 36 sec.



<b>Item: Z326-3020H</b>
30 x 1.5/2.0ml Angle Rotor (40°) Hermetically Sealed Lid
Max Speed: 12,000 rpm / 15,131 xg
Accel: 27 sec. / Decel: 24 sec.

### 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

