

# Universal Centrifuges

■ Z326

■ Z326-K



**HERMLE**  
**Benchmark** 

4 x 145 ml

# Z326

# Z326-K



Both the table top centrifuge Z326 and the refrigerated table top centrifuge Z326-K offer a wide assortment of rotor options, making them ideal for a wide variety of research applications. Rotor exchange between swing out, micro, or high volume angled rotors is very simple and can take place in a matter of seconds. The Z326-K includes the refrigeration system on the back side of the unit, optimized for the lab bench at only 16 in wide.

## Technical data

Max. speed:	18,000 rpm
Max. RCF:	23,542 xg
Max. volume:	4 x 145 ml
Speed range:	200 - 18,000 rpm
Temperature range Z326-K:	-20°C to 40°C
Running time:	59 min 50 s / 10 s increments 99 h 59 min / 1 min increments

## Dimensions

Z326:	15.7 in x 14 in x 19 in (w x h x d) 40 cm x 36 cm x 48 cm (w x h x d)
Z326-K:	15.7 in x 14 in x 27.5 in (w x h x d) 40 cm x 36 cm x 70 cm (w x h x d)

## Weight:

Z326 / Z326-K:	95 lbs (43 kg) / 132 lbs (60 kg)
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## Power input:

Z326 / Z326-K:	455 W / 660 W
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## Order No.:

Z326:	Z326, 120 V / 50 - 60 Hz Z326, 230 V / 50 - 60 Hz
Z326-K:	Z326-K, 120 V / 50 - 60 Hz Z326-K, 230 V / 50 - 60 Hz



## Distinct Control Panel

- Simple one handed operation
- Easy to program with gloves on
- Splash proof digital display
- Permanent indication of Preset and Actual Values
- Selection of speed in both rpm and g-force, with increments of 10
- 10 acceleration and 10 deceleration rates, Possibility of unbraked deceleration
- Preselection of the temperature from -20°C to 40°C with 1°C increments
- Indication of the sample temperature
- Pre-cooling program option
- Standstill cooling
- Pre-selection of running time from 10 s to 99 h 59 min or continuous
- Storage of up to 99 runs incl. rotor type
- Quick-key for short runs
- Diagnostic program
- Timer: the centrifuge starts at the preselected time

## Specifications

- Maintenance-free induction drive
- Microprocessor with large LCD display
- Motor driven lid lock
- Automatic radio-frequency rotor identification system (RFID) with over speed protection, immediately upon rotor insertion
- Active imbalance-identification and -cut off (rotor specific)
- CFC-free refrigeration system (Z 326 K)
- A large variety of rotors and accessories
- Audible signal at the end of each run with several melody options
- Noise level under 63 dBA at max. speed
- Manufactured according to international safety regulations, i.e. IEC 61010
- Rotor exchange is easy to handle
- Optimized airflow system keeps the samples cool (Z 326)
- Stainless steel chamber

# Accessories Z326 and Z326-K

## Rotor/Bucket

Order No.:  
Z306-100



Swing out rotor 4 place  
Angle: 0-90°

## Adapter

Acceleration in s: 15/100  
Deceleration in s: 15/150  
max. Speed: 4500 rpm  
RCF-value: 3350 xg  
max. Radius: 14.8 cm  
Temp. at max. speed: -1°C

Volume	145 ml	100 ml	85 ml	50 ml	50 ml
Tubes ø in mm	Nalgene® 50	RB Glass 44	RB/OR 38	RB Glass 29	Falcon® 29
Length min./max. in mm	100	90/1	90/108	90/118	116
Tubes per rotor	4	4	4	4	4
Radius correction (cm)	1.0	1.0	0.8	0.7	0.3
Order-No.: Z306-100-	A145	A100	A85	A50R	A50

Volume

Tubes ø in mm

Length min./max. (mm)  
Tubes per rotor  
Radius Correction (cm)  
Order No. Tube rack

Volume	50 ml skirted 29	30 ml Universal 25	15 ml Falcon® 17	6-10 ml Vakut.® 16	1.8-7 ml Vakut.® 13	1.5 ml Reakt. 11
Length min./max. (mm)	116	95/105	120	90/108	75/100	42
Tubes per rotor	4	4	8	28	28	40
Radius Correction (cm)	0.6	1.1	0.0	0.4	0.7	5.5
Order No. Tube rack	A50SS	A30	A15	A10	A57	A20

Order No.:  
Z326-100H

Swing out rotor 4 Places  
w/ sealed buckets  
Angle: 0-90°

Z326-100H-BUK  
Bucket for Tube Rack w/ lid

Z326-100H-LID  
Lid for bucket



Acceleration in s: 15/100  
Deceleration in s: 15/150  
max. Speed: 5000 rpm  
RCF-value: 4080 xg  
max. Radius: 14.6 cm  
Temp. at max. speed: 2°C

Volume	100 ml RB Glass 40	85 ml RB/OR 38	50 ml RB/OR 29	50 ml Falcon® 29
Length min./max. in mm	90/108	90/108	90/133	116
Tubes per rotor	4	4	4	4
Radius correction (cm)	0.9	0.6	0.6	0.4
Order-No.: Z326-100H-	A100	A85	A50R	A50

Volume

Tubes ø in mm

Length min./max. (mm)  
Tubes per rotor  
Radius Correction (cm)  
Order No. Tube rack

Volume	50 ml skirted 29	30 ml Universal 25	15 ml Falcon® 17	15 ml Falcon® 17	15 ml RB Glass 17	6-10 ml Vakut.® 16	10-15ml Vakut.® 16	1.8-7 ml Vakut.® 13	1.5 ml Reakt. 11	50ml Falcon® 29	15ml Falcon® 17
Length min./max. (mm)	116	95/105	120	120	90/108	75/100	75/125	75/100	42	116	120
Tubes per rotor	4	4	4	8	16	16	4	16	20	8	12
Radius Correction (cm)	0.7	1.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.0	0.0
Order No. Tube rack	A50SS	A30	A15S	A15*	A15R	A10	A15L*	A57	A20	B50	B15

\* only without bucket lid

Order No.:  
Z326-02MP



Swing out rotor 2 x 3 Microplates  
Angle: 0-90°

Acceleration in s: 20/160  
Deceleration in s: 15/360  
max. Speed: 4500 rpm  
RCF-value: 2716 xg  
max. Radius: 12.0 cm  
max. Loading height: 63 mm  
max. Loading weight: 310 g  
Temp. at max. speed: 0°C

Order No.:  
BT1500-A1520  
BT1500-A05  
Z326-MPCA

Tube rack  
20 x 1.5 ml (2.0 ml) Tubes  
20 x 0.5 ml Tubes  
3 x Chamber slide or 35/60 mm petri dish

Order No.:  
Z326-3015



Angle rotor 30 x 15 ml  
Angle: 35°

Acceleration in s: 15/160  
Deceleration in s: 10/380  
max. Speed: 4500 rpm  
RCF-value: 2830/2467 xg  
max. Radius: 12.5/10.9 cm  
max. Ø: 17 mm  
Temp. at max. speed: -6°C

Order No.:	Tube rack	Ø (mm)	Length (min./max.):
without	1 x 15 ml-Glass	17.0	95/115
C3100-ADP	1 x 5/7 ml (pack of 8)	13	75/100

# Accessories Z326 and Z326-K

## Rotor/Bucket

Order No.:  
Z326-1215



Angle rotor 12 x 15 ml  
Angle: 32°

## Adapter

Acceleration in s: 13/88  
Deceleration in s: 11/222  
max. Speed: 6000 rpm  
RCF-value: 4427 xg  
max. Radius: 11.0 cm  
max. Ø: 17 mm  
Temp. at max. speed: -4°C

Volume	15 ml Falcon®	15 ml	7 ml	5 ml
Ø Tubes in mm	17	17	13	13
Length min./max. in mm	120	105-120	100	75
Adapter Order No.:	without	without	C3100-ADP	C3100-ADP

Order No.:  
Z326-0650-LS



Angle rotor 6 x 50 ml  
Angle: 40°

Acceleration in s: 13/89  
Deceleration in s: 11/239  
max. Speed: 6000 rpm  
RCF-value: 4427 xg  
max. Radius: 11.0 cm  
max. Ø: 29 mm  
Temp. at max. speed: -3°C

Volume	50 ml Falcon®	50 ml RB/OR	15 ml Falcon®	7 ml	5 ml
Ø Tubes in mm	29	29	17	13	13
Length min./max. in mm	116	100/120	120	100	75
Adapter Order No.:	without	without	Z206-50-A15	Z206-50-A57	Z206-50-A57C*

\*with Z206-50-A57

Order No.:  
Z326-0685-25



Angle rotor 6 x 85 ml  
Super rotor 85ml, 50ml, 15ml, and 7ml  
Angle: 25°

Acceleration in s: 40/400  
Deceleration in s: 40/960  
Acceleration in s: 60/500  
Deceleration in s: 50/1,260  
Max. speed: 11,000 rpm  
Max. speed: 13,500 rpm  
Max. RCF: 13,932 xg  
Max. RCF: 20,984 xg  
Max. radius: 10.3 cm  
Max. Ø: 38 mm  
Temp. at max. speed: 19°C

Order No.:	Tube rack	Ø (mm)	Length (min./max.):
without Adapter	1 x 85 ml	38	113
Z326-85-A50R	1 x 50 ml	29	105
Z326-85-A50	1 x 50 ml conical	29	116
Z326-85-A30	1 x 30 ml	25	90/103
Z326-85-A15R	1 x 15 ml	17	103/110
Z326-85-A15	1 x 15 ml conical	17	120

Order No.:  
Z326-0485



Angle rotor 4 x 85 ml  
Angle: 30°

Acceleration in s: 60/300  
Deceleration in s: 40/820  
Max. speed: 12,000 rpm  
Max. RCF: 14,809 xg  
Max. radius: 9.2 cm  
Max. Ø: 38 mm  
Temp. at max. speed: 6°C

Order No.:	Tube rack	Ø (mm)	Length (min./max.):
without Adapter	1 x 85 ml	38	113
Z326-85-A50R	1 x 50 ml	29	105
Z326-85-A50	1 x 50 ml conical	29	116
Z326-85-A30	1 x 30 ml	25	90/103
Z326-85-A15R	1 x 15 ml	17	103/110
Z326-85-A15	1 x 15 ml conical	17	120

Order No.:  
Z326-0650-HS



Angle rotor 6 x 50 ml (round)  
Angle: 26°

Acceleration in s: 40/360  
Deceleration in s: 30/570  
Max. speed: 12,000 rpm  
Max. RCF: 13,522 xg  
Max. radius: 8.4 cm  
Max. Ø: 29 mm  
Temp. at max. speed: 1°C

Order No.:	Tube rack	Ø (mm)	Length (min./max.):
without Adapter	1 x 50 ml	29	95/115
Z326-50-A30	1 x 30	25	92/95
Z326-50-B15R	1 x 15 ml	17	100/105
Z326-50-A15R	1 x 15 ml conical*	17	120

\*only without rotor lid

Order No.:  
Z326-1050



Angle rotor 10 x 50 ml conical  
Angle: 38°

Acceleration in s: 63/380  
Deceleration in s: 37/796  
Max. speed: 7,500 rpm  
Max. RCF: 8,141 xg  
Max. radius: 13 cm  
Max. ø: 29 mm  
Temp. at max. speed: 2°C

Order No.:	Adapter	ø (mm)	Length (min./max.):
Z326-50-B15HS	1 x 15 ml RB	17	97/123
Z326-15-A7*	1 x 7 ml	13.5	95/115
Z326-15-A5*	1 x 5 ml	13.5	70/90
Z326-50-A15	1 x 15 ml conical	17	120

\*only possible with adapter Z326-50-A15 or Z326-50-B15



# Accessories Z326 and Z326-K

## Rotor/Bucket

Order No.:  
Z326-2010



Angle rotor 20 x 10 ml  
Angle: 30°

## Adapter

Acceleration in s: 40/360  
Deceleration in s: 30/570  
Max. speed: 12,000 rpm  
Max. RCF: 15,775 xg  
Max. radius: 9.8 cm  
Max. Ø: 16 mm  
Temp. at max. speed: 7° C

Order No.:	Tube rack	Ø (mm)	Length (min./max.):
without Adapter	1 x 10 ml	16	80

Order No.:  
Z326-3020H



Angle rotor 30 x 1.5 / 2.0 ml  
Angle: 45°

Acceleration in s: 25/200  
Deceleration in s: 25/360  
Acceleration in s: 25/210  
Deceleration in s: 30/360  
Max. speed: 13,000 rpm  
Max. speed: 14,000 rpm  
Max. RCF: 17,758 xg  
Max. RCF: 20,595 xg  
Max. radius: 9.4 cm  
Max. Ø: 11 mm  
Temp. at max. speed: 9° C

Order No.:	Tube rack	Ø (mm)	Length (min./max.):
without	1 x 2,0 ml	11	40
without	1 x 1,5 ml	11	40
C1008-A5-6	1 x 0.5 ml	8	45
C1008-A2-6	1 x 0.4/0.2 ml PCR	6	45

Order No.:  
Z326-2420



Angle rotor 24 x 1.5 / 2.0 ml  
Angle: 45°

Acceleration in s: 23/210  
Deceleration in s: 16/240  
Acceleration in s: 25/230  
Deceleration in s: 17/420  
Max. speed: 14,000 rpm  
Max. speed: 15,000 rpm  
Max. RCF: 18,624 xg  
Max. RCF: 21,379 xg  
Max. radius: 8.5 cm  
Max. Ø: 11 mm  
Temp. at max. speed: 7° C

Order No.:	Tube rack	Ø (mm)	Length (min./max.):
without	1 x 2,0 ml	11	40
without	1 x 1,5 ml	11	40
C1008-A5-6	1 x 0.5 ml	8	45
C1008-A2-6	1 x 0.4/0.2 ml PCR	6	45

Order No.:  
Z326-2420H



Angle rotor 24 x 1.5 / 2.0 ml  
Angle: 45° | hermetically sealed

Acceleration in s: 23/240  
Deceleration in s: 16/240  
Acceleration in s: 25/230  
Deceleration in s: 17/420  
Max. speed: 14,000 rpm  
Max. speed: 15,000 rpm  
Max. RCF: 18,624 xg  
Max. RCF: 21,379 xg  
Max. radius: 8.5 cm  
Max. Ø: 11 mm  
Temp. at max. speed: 7° C

Order No.:	Tube rack	Ø (mm)	Length (min./max.):
without	1 x 2,0 ml	11	40
without	1 x 1,5 ml	11	40
C1008-A5-6	1 x 0.5 ml	8	45
C1008-A2-6	1 x 0.4/0.2 ml PCR	6	45

Order No.:  
Z326-1220H



Angle rotor 12 x 1.5 / 2.0 ml  
Angle: 40°

Acceleration in s: 25/240  
Deceleration in s: 20/210  
Max. speed: 18,000 rpm  
Max. RCF: 23,542 xg  
Max. radius: 6.5 cm  
Max. Ø: 11 mm  
Temp. at max. speed: 3° C

Order No.:	Tube rack
Z36-04-HS	0.4 ml Tubes (Ø 6 x 50 mm) Adapter Kit (6 Pieces)
Z36-05-HS	0.5 ml Tubes (Ø 8 x 32 mm) Adapter Kit (6 Pieces)
Z36-20-HS	1.5 ml Adapter for full performance (necessary from 16,000 xg on) (6 Pieces)

Order No.:  
Z326-4420



Angle rotor 44 x 1.5 / 2.0 ml  
Angle: 32°/55°

Acceleration in s: 28/256  
Deceleration in s: 21/434  
Max. speed: 15,000 rpm  
Max. RCF: 21,379 xg  
Max. radius: 8.5 cm  
Max. Ø: 11 mm  
Temp. at max. speed: 8° C

Order No.:	Tube rack	Ø (mm)	Length (min./max.):
without	1 x 2,0 ml	11	40
without	1 x 1,5 ml	11	40
C1008-A5-6	1 x 0.5 ml	8	45
C1008-A2-6	1 x 0.4/0.2 ml PCR	6	45

# Accessories Z326 and Z326-K

## Rotor/Bucket

Order No.:  
Z326-6405



Angle rotor 64 x 0.5 ml  
Angle: 40°

## Adapter

Acceleration in s: 17/150  
Deceleration in s: 12/170  
Max. speed: 13,500 rpm  
Max. RCF: 16,298/17,725 xg  
Max. radius: 8.0/8.7 cm  
Max. Ø: 8 mm  
Temp. at max. speed: 6°C

Order No.:  
Z326-3202



Angle rotor 4 x 8 PCR Strips  
Angle: 45°

Acceleration in s: 16/130  
Deceleration in s: 12/130  
Max. speed: 15,000 rpm  
Max. RCF: 15,343 xg  
Max. radius: 6.1 cm  
Max. Ø: 6 mm  
Temp. at max. speed: 5°C

Order No.:  
Z326-1205



Angle rotor 12 x 5 ml Reaction Tubes  
Angle: 45°C

Acceleration in s: 25/205  
Deceleration in s: 16/223  
Acceleration in s: 27/220  
Deceleration in s: 17/373  
Max. speed: 14,000 rpm  
Max. speed: 15,000 rpm  
Max. RCF: 18,624 xg  
Max. RCF: 21,379 xg  
Max. radius: 8.5 cm  
Max. ø: 17 mm  
Temp. at max. speed: 6°C

Order No.:

Z216-05-C10 1.0 ml Cryo tubes (ø 12,6 x 41 mm)  
set of adapters ( 6 pcs.)  
Z216-05-C18 1.8 ml Cryo tubes (ø 12,6 x 48 mm)  
set of adapters (6 pcs.)

The intuitive control panel makes it easy for anyone to operate **Hermle Centrifuges** straight away.



## The Perfect Fit



### Easy Handling:

- The ergonomic control panel is very user-friendly.
- No need to remove gloves during operation
- Strictly a HERMLE application, you can store up to 99 different programs.
- Make yourself comfortable; operate this model from your laptop or computer. Our multi-functional software, "H-Control", allows you to control the centrifuge independently and save your protocols (this function has to be ordered separately).
- An optional alarm will sound when your run is finished

### Safety:

- The Z326 and Z326-K have an automatic imbalance shut off system
- There is over speed protection incorporated for each rotor.
- The centrifuge will not start until the lid is locked.
- Error code system to quickly detect issues.
- Stable and firm design, made of steel, ensures excellent mechanical reliability and protection
- Both models are equipped with two imbalance sensors.

### Efficient and Versatile:

- Due to the wide range of adapter and rotor options, the Z326 series compatible with all common tubes and bottles, up to 145 ml.
- Easy rotor exchange. Switch between swing out, fixed angle, and microplate rotors with ease
- Powerful refrigeration as low as -20C
- "Pre-cooling" function specific to each rotor for maximum efficiency

More from **HERMLE**  
**Benchmark**



Refrigerated High Speed Centrifuge Z32-HK  
Max. speed 20,000 rpm  
Max. volume 4 x 145 ml



Compact Centrifuge Z207-A  
Max. speed 6,800 rpm  
Max. volume 8 x 15 ml

■ For more Information, please visit our website!

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