

UNIVERSAL CENTRIFUGES

6 x 50 ml

Z287-A

The centrifuge Z287-A can do it all! Provided with eleven different rotors, this unit covers the most common applications. No matter if angle, swing out, plate or hematocrit rotor, you will always find the suitable accessory for your needs. Its appealing design and the innovative control panel with “Touch-operation” function and LED light, which indicates the current operating state, complete the versatility of this model.



TECHNICAL SPECIFICATIONS

MAX. SPEED	14,000 rpm
MAX. RCF	16,058 xg
MAX. VOLUME	6 x 50 ml
SPEED RANGE	200 – 14,000 rpm
RUNNING TIME	59min 50s / 10s increments or 99h 59min / 1 min increments
DIMENSIONS (W X H X D)	14 in x 10 in x 17 in / 35 cm x 26 cm x 43 cm
WEIGHT GEWICHT	40 lbs / 18 kg



Information about the control panel can be found on page 8.

ORDER NUMBERS

Z287-A, 120 V / 50 – 60 Hz / 170 W

Z287-A-E, 230 V / 50 – 60 Hz / 170 W

SPECIFICATION

- Maintenance-free induction drive
- Microprocessor control with LCD display
- Electromagnetic lid lock
- Automatic radio-frequency rotor identification system (RFID) with over speed protection, immediately upon rotor insert
- Active imbalance detection and shutdown (rotor specific)
- Wide range of rotors and accessories
- USB interface for software updates via a PC
- Manufactured according to international safety regulations, i.e. IEC 61010
- Acoustic signal during operation – with adjustable melody and volume
- Easy rotor change
- Optimised airflow keeps the samples cool

ROTORS

MAX. VOLUME	MAX. SPEED	RCF VALUE	ORDER NUMBER	ANGLE
4 x 50 ml conical	5,000 rpm	3,633 xg	Z287-0450H	0 – 75°
4 x 30 ml universal	5,000 rpm	3,437 xg	Z287-0430H	0 – 90°
8 x 10 ml blood tubes	5,000 rpm	3,717 xg	Z287-0810H	0 – 90°
2 x Microplates	3,800 rpm	1,453 xg	Z287-02MP	0 – 90°
6 x 50 ml	6,000 rpm	4,427 xg	Z287-0650	40°
12 x 15 ml	6,000 rpm	4,427 xg	Z287-1215	32°
8 x 15 ml	8,000 rpm	6,153 xg	Z287-0815	33°
24 x 1,5 / 2,0 ml*	12,000 rpm	13,683 xg	Z287-2420	45°
24 x 2,0 ml Spin Column Kits	12,000 rpm	13,683 xg	Z287-24SC	45°
18 x 1,5 / 2,0 ml	14,000 rpm	15,994 xg	Z287-1820	45°
24 Capillaries	13,000 rpm	16,058 xg	Z287-24HEM	90°

* hermetically sealed

EXAMPLE ROTORS



max. volume: 4 x 50 ml conical
Order number.: Z287-0450H



max. volume: 8 x 10 blood tubes
Order number.: Z287-0810H



max. volume: 2 x 1 microplates
Order number.: Z287-02MP



max. volume: 6 x 50 ml
Order number.: Z287-0650



max. volume: 12 x 15 ml
Order number.: Z287-1215



max. volume: 24 x 1,5/2,0 ml
Order number.: Z287-2420H
hermetically sealed

The respective max. capacities of the rotors are shown in the tables. Naturally, adapters are available for smaller volumes. Detailed information can be found in our individual brochures on our homepage:

www.HermleUSA.com/download

If you cannot find the required adapter, we will gladly make a custom adapter for you.

UNIVERSAL CENTRIFUGES

4 x 145 ml

Z306

Our small, universal laboratory centrifuge offers a wide range of applications, ranging from clinical laboratory work to research and industrial laboratories. The swing-out rotors can accommodate all standard tubes via appropriate adapters, including blood collection tubes and conical 15/50 ml tubes. The wide range of accessories for the Z306 includes rotors for microplates as well as high-speed fixed-angle rotors for reaction tubes or centrifuge tubes up to 50 ml – making this laboratory centrifuge an indispensable part of the daily work routine at smaller hospitals.



TECHNICAL SPECIFICATIONS

MAX. SPEED	14,000 rpm
MAX. RCF	18,624 xg
MAX. VOLUME	4 x 145 ml
SPEED RANGE	200 – 14,000 rpm
RUNNING TIME	59 min 50 s / 10 s increments or 99 h 59 min / 1 min increments
DIMENSIONS (W X H X D)	14 in x 13 in x 18.5 in / 35 cm x 33 cm x 47 cm
WEIGHT	66 lbs / 30 kg



Information about the control panel can be found on page 8.

ORDER NUMBERS

Z306, 120 V / 50 – 60 Hz / 240 W

Z306-E, 230 V / 50 – 60 Hz / 300 W

SPECIFICATIONS

- Maintenance-free induction drive
- Microprocessor control with LCD display
- Electromagnetic lid lock
- Automatic radio-frequency rotor identification system (RFID) with over speed protection, immediately upon rotor insertion
- Active imbalance detection and shutdown (rotor-specific)
- Imbalance-tolerant drive system
- Wide range of rotors and accessories
- Manufactured in accordance with international safety guidelines, e.g. IEC 61010
- Acoustic signal during operation – with adjustable melody and volume
- Easy rotor change
- Noise level < 63 dBA at max. speed
- Optimised airflow keeps the samples cool
- Stainless steel chamber
- Timer function: the centrifuge starts at the pre-set time

ROTORS

MAX. VOLUME	MAX. SPEED	RCF VALUE	ORDER NUMBER	ANGLE
4 x 145 ml	4,500 rpm	3,350 xg	Z306-100	0 – 90°
4 x 100 ml	4,000 rpm	2,611 xg	Z326-100H	0 – 90°
30 x 15 ml	4,500 rpm	2,830 xg	Z326-3015	35°
6 x 50 ml	6,000 rpm	4,427 xg	Z326-0650-LS	40°
12 x 15 ml	6,000 rpm	4,427 xg	Z326-1215	32°
12 x 5 ml	14,000 rpm	18,624 xg	Z326-1205	45°
30 x 1.5/2.0 ml	12,000 rpm	15,131 xg	Z326-3020H	45°
24 x 1.5/2.0 ml	14,000 rpm	18,624 xg	Z326-2420	45°
24 x 1.5/2.0 ml*	14,000 rpm	18,624 xg	Z326-2420H	45°
2 x 3 Microplates	4,500 rpm	2,716 xg	Z326-02MP	0 – 90°

* hermetically sealed

EXAMPLE ROTORS

Main rotor



Max. volume: 4 x 145 ml
Order number: Z306-100



Max. volume: 2 x 3 Microplates
Order number: Z326-02MP



Max. volume: 6 x 50 ml
Order number: Z326-0650-LS



Max. volume: 12 x 15 ml
Order number: Z326-1215



Max. volume: 30 x 1.5/2.0 ml
Order number: Z326-3020H



Max. volume: 12 x 5 ml
Order number: Z326-1205

The respective max. capacities of the rotors are shown in the tables. Naturally, adapters are available for smaller volumes. Detailed information can be found in our individual brochures on our homepage:

www.HermleUSA.com/download

If you cannot find the required adapter, we will gladly make a custom adapter for you.

UNIVERSAL CENTRIFUGES

4 x 145 ml

Z326

Z326-K

Both the tabletop centrifuge Z326 and the tabletop refrigerated centrifuge Z326-K are compatible with a wide range of different rotors and can therefore be classified as universal centrifuges. Whether with a swing-out, micro liter or large-volume fixed-angle rotor, the easy rotor replacement makes the separation process fast and efficient. Featuring a space-saving design, the Z326-K is equipped with a powerful cooling system and delivers outstanding performance with a compact footprint.



Information about the control panel can be found on page 8.

TECHNICAL SPECIFICATIONS

MAX. SPEED	18,000 rpm
MAX. RCF	23,542 xg
MAX. VOLUME	4 x 145 ml
SPEED RANGE	200 – 18,000 rpm
TEMPERATURE RANGE Z 326 K	-20°C to 40°C
RUNNING TIME	59 min 50s / 10s increments or 99h 59min / 1 min increments
DIMENSIONS (W X H X D)	Z 326: 16 in x 14 in x 19 in / 40 cm x 36 cm x 48 cm Z 326 K: 16 in x 14 in x 27.5 in / 40 cm x 36 cm x 70 cm
WEIGHT	Z 326: 95 lbs / 43 kg Z 326 K: 132 lbs / 60 kg

ORDER NUMBERS

Z 326:	Z326, 120 V / 50 – 60 Hz / 460 W
	Z326-E, 230 V / 50 – 60 Hz / 480 W
Z 326 K:	Z326-K, 120 V / 50 – 60 Hz / 660 W
	Z326-K-E, 230 V / 50 – 60 Hz / 660 W

SPECIFICATIONS

- Maintenance-free induction drive
- Microprocessor control with LCD display
- Motor driven lid lock
- Automatic radio-frequency rotor identification system (RFID) with over speed protection, immediately upon rotor insertion
- Active imbalance detection and shutdown
- CFC-free refrigeration
- Wide range of rotors and accessories
- Manufactured in accordance with international safety guidelines, e.g. IEC 61010
- Acoustic signal during operation – with adjustable melody and volume
- Easy rotor change
- Noise level < 60 dBA (rotor-dependent)
- Specially designed airflow keeps the samples cool (Z326)
- Stainless steel chamber
- Timer function: the centrifuge starts at the pre-set time

ROTORS

MAX. VOLUME	MAX. SPEED	RCF VALUE	ORDER NUMBER	ANGLE
4 x 145 ml	4,500 rpm	3,350 xg	Z306-100	0 – 90°
4 x 100 ml	5,000 rpm	4,080 xg	Z326-100H	0 – 90°
6 x 85 ml	11,000/13,500 rpm	13,932/20,984 xg	Z326-0685-25	25°
6 x 85 ml	9,000 rpm	10,413 xg	Z326-0685	38°
4 x 85 ml	12,000 rpm	14,809 xg	Z326-0485	30°
30 x 15 ml	4,500 rpm	2,830/2,467 xg	Z326-3015	35°
6 x 50 ml	6,000 rpm	4,427 xg	Z326-0650-LS	40°
6 x 50 ml round	12,000 rpm	13,522 xg	Z326-0650-HS	26°
10 x 50 ml conical	7,500 rpm	8,174 xg	Z326-1050	38°
20 x 10 ml	12,000 rpm	15,775 xg	Z326-2010	30°
12 x 15 ml	6,000 rpm	4,427 xg	Z326-1215	32°
12 x 5 ml	14,000/15,000 rpm	18,624/21,379 xg	Z326-1205	45°
44 x 1.5/2.0 ml	15,000 rpm	21,127/21,379 xg	Z326-4420	32°/55°
30 x 1.5/2.0 ml	13,000/14,000 rpm	17,758/20,595 xg	Z326-3020H	45°
24 x 1.5/2.0 ml	14,000/15,000 rpm	18,624/21,379 xg	Z326-2420	45°
24 x 1.5/2.0 ml*	14,000/15,000 rpm	18,624/21,379 xg	Z326-2420H	45°
12 x 1.5/2.0 ml	18,000 rpm	23,542 xg	Z326-1220H	40 °
4 x 8-PCR strips	15,000 rpm	15,343 xg	Z326-3202	45°
2 x 3 Microplates	4,500 rpm	2,716 xg	Z326-02MP	0 – 90°

* hermetically sealed

EXAMPLE ROTORS

Main rotor



Max. volume: 4 x 145 ml
Order number: Z306-100



Max. volume: 4 x 100 ml
Order number: Z326-100H



Max. volume: 24 x 1.5/2.0 ml
Order number: Z326-2420



Max. volume: 6 x 85 ml
Order number: Z326-0685



Max. volume: 6 x 50 ml round
Order number: Z326-0650-HS



Max. volume: 30 x 15 ml
Order number: Z326-3015

The respective max. capacities of the rotors are shown in the tables. Naturally, adapters are available for smaller volumes. Detailed information can be found in our individual brochures on our homepage: www.HermleUSA.com/download
If you cannot find the required adapter, we will gladly make a custom adapter for you.

UNIVERSAL CENTRIFUGES

6 x 250 ml

Z366

Z366-K

The tabletop centrifuges Z366 and Z366-K set new standards in terms of versatility, running characteristics, user-friendliness and design. A capacity of 40 x 15 ml conical tubes combined with centrifugal accelerations of up to 24,325 xg ensure these tabletop devices can be classed as universal high-performance centrifuges.



Information about the control panel can be found on page 8.

TECHNICAL SPECIFICATIONS

MAX. SPEED	15,000 / 16,000 rpm
MAX. RCF	21,379 / 24,325 xg
MAX. VOLUME	6 x 250 ml
SPEED RANGE	200 – 15,000 / 16,000 rpm
TEMPERATURE RANGE Z 366 K	-20°C to 40°C
RUNNING TIME	59 min 50s / 10s increments or 99h 59min / 1 min increments
DIMENSIONS (W X H X D)	Z 366: 17 in x 14 in x 20 in / 43 cm x 36 cm x 51 cm Z 366 K: 28 in x 14 in x 20 in / 72 cm x 36 cm x 51 cm
WEIGHT	Z 366: 114 lbs / 52 kg Z 366 K: 170 lbs / 77 kg

ORDER NUMBERS

Z 366: Z366, 120 V / 50 – 60 Hz / 520 W

Z366-E, 230 V / 50 – 60 Hz / 520 W

Z 366 K: Z366-K, 120 V / 50 – 60 Hz / 785 W

Z366-K-E, 230 V / 50 – 60 Hz / 785 W

SPECIFICATIONS

- Maintenance-free induction drive
- Microprocessor control with LCD display
- Motor driven lid lock
- Automatic radio-frequency rotor identification system (RFID) with over speed protection, immediately upon rotor insertion
- Active imbalance detection and shutdown
- CFC-free refrigeration system
- Wide range of rotors and accessories
- Manufactured in accordance with international safety guidelines, e.g. IEC 61010
- Acoustic signal during operation – with adjustable melody and volume
- Easy rotor change
- Noise level < 63 dBA (rotor-dependent)
- Specially designed airflow keeps the samples cool (Z366)
- Stainless steel chamber
- Timer function: the centrifuge starts at the pre-set time

ROTORS

MAX. VOLUME	MAX. SPEED	RCF VALUE	ORDER NUMBER	ANGLE
6 x 250 ml	8,000 rpm	10,016xg	Z366-06250	28°
4 x 250 ml	4,500 rpm	3,780xg	Z366-250	0 – 90°
16 x 50 ml conical	4,500 rpm	3,735xg	Z366-250-HC	0 – 90°
6 x 85 ml	11,000/13,000 rpm	15,555/21,726xg	Z326-0685	38°
30 x 15 ml	4,500 rpm	2,830xg	Z326-3015	35 °
4 x 85 ml	12,000 rpm	14,809xg	Z326-0485	30°
6 x 50 ml round	13,000 rpm	15,869xg	Z326-0650-HS	26°
20 x 10 ml	12,000 rpm	15,775xg	Z326-2010	30°
44 x 1.5/2.0 ml	15,000/16,000 rpm	21,379/24,325xg	Z326-4420	32°/55°
24 x 1.5/2.0 ml	15,000/16,000 rpm	21,379/24,325xg	Z326-2420	45°
24 x 1.5/2.0 ml*	15,000/16,000 rpm	21,379/24,325xg	Z326-2420H	45°
10 x 50 ml conical	9,000/10,500 rpm	11,771/16,022xg	Z326-1050	38°
2 x 3 Microplates	4,500 rpm	2,716xg	Z326-02MP	0 – 90°

* hermetically sealed

EXAMPLE ROTORS

Main rotor



Max. volume: 4 x 250 ml
Order number: Z366-250



Max. volume: 16 x 50 ml conical
Order number: Z366-250-HC



Max. volume: 2 x 3 Microplates
Order number: Z326-02MP



Max. volume: 6 x 250 ml
Order number: Z366-06250



Max. volume: 6 x 85 ml
Order number: Z326-0685



Max. volume: 10 x 50 ml conical
Order number: Z326-1050

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UNIVERSAL CENTRIFUGES

4 x 750 ml

Z446

Z446-K

These compact tabletop centrifuges achieve a throughput of up to 68 x 15 ml conical tubes at a max. RCF of 3,434 / 4,346 xg. If higher speeds are required, alternative solutions are available, including fixed-angle rotors with a max. RCF of 16,022 xg for 10 x 50 ml.



Information about the control panel can be found on page 8.

TECHNICAL SPECIFICATIONS

MAX. SPEED	16,000 / 16,000 rpm
MAX. RCF	24,325 / 26,328 xg
MAX. VOLUME	4 x 750 ml
SPEED RANGE	200 – 16,000 rpm
TEMPERATURE RANGE Z 446 K	-20°C to 40°C
RUNNING TIME	59 min 50s / 10s increments or 99h 59min / 1 min increments
DIMENSIONS (W X H X D)	Z 446: 21 in x 15 in x 26 in / 54 cm x 39 cm x 67 cm Z 446 K: 29 in x 15 in x 26 in / 73 cm x 39 cm x 67 cm
WEIGHT	Z 446: 174 lbs / 79 kg Z 446 K: 245 lbs / 111 kg

ORDER NUMBERS

Z 446: Z446, 120 V / 50 – 60 Hz / 640 W

Z446-E, 230 V / 50 – 60 Hz / 640 W

Z 446 K: Z446-K, 120 V / 50 – 60 Hz / 1630 W

Z446-K-E, 230 V / 50 – 60 Hz / 1630 W

SPECIFICATIONS

- Maintenance-free induction drive
- Microprocessor control with LCD display
- Motor driven lid lock
- Automatic radio-frequency rotor identification system (RFID) with over speed protection, immediately upon rotor insertion
- Active imbalance detection and shutdown
- Wide range of rotors and accessories
- CFC-free refrigeration system
- Manufactured in accordance with international safety guidelines, e.g. IEC 61010
- Acoustic signal during operation – with adjustable melody and volume
- Noise level < 65 dBA (rotor-dependent)
- Easy rotor change
- Specially designed airflow keeps the samples cool (Z446)
- Stainless steel chamber
- Timer function: the centrifuge starts at the pre-set time

ROTORS

MAX. VOLUME	MAX. SPEED	RCF VALUE	ORDER NUMBER	ANGLE
4 x 750 ml*	4,000/4,500 rpm	3,434/4,346 xg	Z446-750	0 – 90°
4 x 500 ml	8,000 rpm	10,374 xg	Z446-04500	24°
6 x 250 ml	8,000 rpm	10,016 xg	Z366-06250	28°
6 x 85 ml	11,000/13,000 rpm	15,555/21,726 xg	Z326-0685	38°
10 x 50 ml conical	10,000/10,500 rpm	14,532/16,022 xg	Z326-1050	38°
4 x 85 ml	15,000/16,000 rpm	23,140/26,328 xg	Z326-0485	30°
6 x 50 ml	13,000 rpm	15,869 xg	Z326-0650-HS	26°
20 x 10 ml	12,000 rpm	15,775 xg	Z326-2010	30°
44 x 1.5/2.0 ml	16,000 rpm	24,038/24,325 xg	Z326-4420	32°/55°
30 x 1.5/2.0 ml	15,000 rpm	23,643 xg	Z326-3020H	45°
24 x 1.5/2.0 ml	16,000 rpm	24,325 xg	Z326-2420	45°
24 x 1.5/2.0 ml*	16,000 rpm	24,325 xg	Z326-2420H	45°
2 x 3 Microplates	4,500 rpm	2,716 xg	Z326-02MP	0 – 90°
4 x 8-PCR strips	15,000 rpm	15,343 xg	Z326-3202	45°

* hermetically sealed

EXAMPLE ROTORS

Main rotor



Max. volume: 4 x 750 ml
Order number: Z446-750
hermetically sealed



Max. volume: 4 x 500 ml
Order number: Z446-04500



Max. volume: 2 x 3 Microplates
Order number: Z326-02MP



Max. volume: 6 x 85 ml
Order number: Z326-0685



Max. volume: 10 x 50 ml conical
Order number: Z326-1050



Max. volume: 24 x 1.5/2.0 ml
Order number: Z326-2420H
Hermetically sealed

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