Large Volume Centrifuges

Z496-K Floor-Standing

Z496-K-UC Underbench

HERMLE Benchmark

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.
- Both versions are equipped with wheels, to easily maneuver around the laboratory, to the most convenient location. There is also a mechanism to place them on the feet as well
- 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 Z496-K has 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.

Efficient and Versatile:

- Due to the wide range of bucket and rotor options, the Z496 can hold all common tubes and bottles, up to 1,000 ml.
- "Pre-cooling" function specific to each rotor for maximum efficiency
- Keep dangerous and hazardous aerosols locked; hermetically sealed buckets available
- Save space in your laboratory. The Underbench model is easily placed below a standard laboratory table.
- The Floor-Standing mode; is supplied with a storage drawer which is very useful for your accessories.

4 x 1,000 ml

Z496-K

Underbench Centrifuge

Floor-Standing Centrifuge

The Z496-K centrifuges offer the highest tube/bottle capacity in our range. Several rotors are available, including a popular 4 position swinging bucket rotor with a wide offering of accessories for the centrifugation of tubes, bottles, plates and blood bags. The high capacity rectangular buckets accept microplates directly or a variety of tube inserts for accommodating as many as 40 x 50ml conical or 96 x 15ml conical tubes per run. A standard floor standing model is available (height: 38.6 in.) which includes a convenient lower drawer for the storage of frequently used rotors and accessories. In addition, a space saving “underbench” model (height: 27.5 in.) is available when under the counter storage is preferred. Both models are equipped with wheels for easy maneuverability around the laboratory. For all your high capacity, high volume needs, the Z496-K floor standing series is the perfect centrifuge.

Technical Data

Max. Speed:	10,500 rpm
Max. RCF:	16,022 xg
Max. Volume:	4 x 1,000 ml
Speed range:	200 - 10,500 rpm
Running time:	59 min 50 sec / 10 s increments 99 h 59 min / 1 min increments

Dimensions (W x H x D):

Underbench Unit:	24.4 in x 27.5 in x 27 in 62 cm x 70 cm x 69 cm
Floor-Standing Unit:	24.4in x 38.5 in x 27 in 62 cm x 98 cm x 69 cm

Weight:

Underbench Unit:	346 lbs / 157 kg
Floor-Standing Unit:	419 lbs / 190 kg

Power input: 2.3 KW

Ordering Information

Underbench: Z496-K-UC, 230 V / 50 - 60Hz
Floor-Standing: Z496-K, 230 V / 50 - 60 Hz
Interface incl. operating software: Z496-HCTRL

Distinct Control Panel

- Simple one-handed operation
- Easy to program with gloves on
- Splash-proof
- Permanent indication of pre-set and actual values
- Selection of speed in both rpm and g-force, in increments of 10
- 10 acceleration and deceleration rates, possibility of unbraked deceleration
- Temperature range from -20°C to 40°C, in increments of 1°C
- Pre-cooling program
- Standstill cooling
- Pre-selection of the running time from 10 s to 99 h 59 min or continuous
- Storage of up to 99 runs, including rotor
- Quick-key for short runs
- Timer: the centrifuge starts at the preselected time

Features:

- Maintenance-free induction drive
- Microprocessor with large LCD display
- Motor driven lid lock
- Automatic radio-frequency rotor identifi cation system (RFID) with over speed protection, immediately upon rotor insertion
- Active imbalance identifi cation and cut-off (rotor-specifi c)
- CFC-free refrigeration system
- Wide range of rotors and accessories
- Audible signal at the end of each run, with several melody options
- Stainless steel chamber
- Manufactured in accordance to International Safety Regulations, i.e. IEC 61010

Accessories Z496-K

Rotor/Bucket

Adapter

Order No.:
Z496-1000-AC*
4 x 1000ml Swing out rotor
Angle: 0-90°

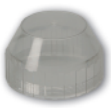
Order No.:
Z496-1000-1L
Round bucket

Acceleration in s: 84/328
Deceleration in s: 50/1,067
Max. Speed: 4,600 rpm
Max. RCF: 5,203 xg
Max. Radius: 22 cm
Temp. at Max. Speed: 9°C

Order No.:
Z496-1000-RBUK
Rectangular bucket/Microplate bucket

Acceleration in s: 84/302
Deceleration in s: 53/1,178
Max. Speed: 4,200 rpm
Max. RCF: 3,964 xg
Max. Radius: 20.1 cm
Max. Loading Height: 92 mm
Max. Loading Weight: 1,200 g
Temp. at Max. Speed: 4°C

*Z496-1000
Swing out rotor with
rectangular buckes included



Z446-750-LID
PC-Screw cap hermetical
sealable, for round bucket
Z496-1000-1L

Z496-1000-MPRA
Removing aid for
microplates

Adapters for Rectangular Bucket

Rectangular Bucket
Order No.:
Z496-1000-RBUK

		Corning®					Falcon®				
Volume	**750 ml**	**650 ml**	**500 ml***	**500 ml**	**250/290 ml**	**175/225** ml**	**100 ml**	**50 ml**	**50 ml**	**15 ml**	**5 ml**
ø in mm	99	99	97	99	62	61	40	29	29	17	17
Length min./max. (mm)	152	136	148	114	122/137	118/137	102/123	90/120	116	120	60/70
Tubes per Rotor	**4**	**4**	**4**	**4**	**8**	**8**	**12**	**40**	**40**	**96**	**96**
Radius Correction (cm)	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.1	0.1	0.1	0.1
Order No. Z496-1000_	**-A500**	**-A500**	**-A500**	**-A500**	**-A250**	**-A225**	**-A100**	**-A50R**	**-A50**	**-A15**	**-A5F**

	Vacutainer®/Sarstedt®	
Volume	**5.5-12 ml**	**2.6-8 ml**
ø in mm	16	13
Length min./max. (mm)	60/120	65/100
Tubes per Rotor	**152**	**192**
Radius Correction (cm)	0.1	0.1
Order No. Adapter	**-A10**	**-A57**

***Only applicable with combination of Z496-1000-A500 + Z446-750-A500**

Adapters for Round Bucket

Round Bucket
Order No.:
Z496-1000-1L

	Corning®				Corning®		Falcon®					
Volume	**1000 ml**	**750 ml**	**650 ml**	**500 ml**	**500 ml**	**500 ml**	**250 ml**	**250/290 ml**	**175/225 ml**	**50 ml**	**50 ml**	**30 ml**
ø in mm	99	99	99	97	99	69.5	60	62	61	29	29	25
Length min./max. (mm)	173/178	152	136	148	114	165	159	122/137	118/137	102/123	116	102/123
Tubes per Rotor	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**4**	**28**	**20**	**32**
Radius Correction (cm)	0	0	0	0.5	0	0.5	0.4	0.5	0.2	0.1	0.1	0.1
Order No. Z496-1L_	**without**	**without**	**without**	***-A500**	**without**	**-A500S**	**-A250F**	***-A250**	***-A225**	***-A50R**	***-A50-E**	***-A30**

	Vacutainer®			
Volume	**12/15 ml**	**15 ml**	**6-10 ml**	**1.8-7 ml**
ø in mm	17	17	16	13
Length min./max. (mm)	97/120	120	75/100	75/100
Tubes per Rotor	**72**	**48**	**72**	**108**
Radius Correction (cm)	0.1	0.1	0.3	0.3
Order No. Adapter	***-A15R**	**-A15**	***-A10**	***-A57**

***use Z446-750 as prefix**

Accessories Z496-K

Rotor/Bucket

Order No.: Z496-1000-AC
4 x 1000ml Swing out rotor
Angle: 0-90°

Adapter

Order No.: Z496-500-BLD
Blood bag bucket for 500 ml

Acceleration in s: 62/328
Deceleration in s: 48/981
Max. Speed: 4,600 rpm
Max. RCF: 5,298 xg
Max. Radius: 22.4 cm
Temp. at Max. Speed: 7°C

Z496-500-ADP
Adapter for bucket
Z496-500-ADP

Order No.: Z496-750-BLD
Blood bag bucket for 750 ml

Acceleration in s: 82/324
Deceleration in s: 50/1,111
Max. Speed: 4,600 rpm
Max. RCF: 5,274 xg
Max. Radius: 22.3 cm
Temp. at Max. Speed: 9°C

Z496-750-ADP
Adapter for bucket
Z496-750-ADP

Order No.: Z446-04500

Angle rotor 4 x 500 ml
Angle: 24°

Acceleration in s: 73/575
Deceleration in s: 84/2,317
max. speed: 8,000 rpm
max. RCF: 10,367 xg
max. radius: 14.5 cm
max. ø: 69.5 mm
Temp. at max. speed: 4°C

Order No.: without Adapter	Tube rack	ø (mm)	Length (min./max.)
	1 x 500 ml	69.5	165
Z446-500-A250F	1 x 250 ml	62	122
Z446-500-A250	1 x 250 ml conical	60	159
Z446-500-A225	1 x 175 ml Falcon®	61	118
Z446-500-A225	1 x 225 ml Falcon®	61	137
Z446-500-A50	1 x 50 ml conical	29	116
Z446-500-A15C	6 x 15 ml conical	17	120

Order No.: Z366-06250

Angle rotor 6 x 250 ml
Angle: 28°

Acceleration in s: 66/573
Deceleration in s: 84/1,871
max. speed: 8,000 rpm
max. RCF: 10,016 xg
max. radius: 14 cm
max. ø: 62 mm
Temp. at max. speed: -1°C

Order No.: without Adapter	Tube rack	Ø (mm)	Length (min./max.)
	1 x 250 ml	62	122
Z366-06250-A50	1 x 50 ml conical	29	118
Z366-06250-A50R	1 x 50 ml	29	103
Z366-06250-A30	2 x 30 ml	26	92
Z366-06250-A15	4 x 15 ml conical	17	120

Order No.: Z326-1050

Angle rotor 10 x 50 ml conical
Angle: 38°

Acceleraton in s: 53/441
Deceleration in s: 71/1,411
Max. Speed: 10,500 rpm
Max. RCF: 16,022 xg
Max. Radius: 13.0 cm
Max. ø: 29 mm
Temp. at max. speed: -1°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**

Z496-K Floor-Standing Model

The Floor-Standing Model, features a storage drawer for easy access to your accessories.

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