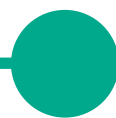


# HERMLE

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## LABORTECHNIK



Universal Centrifuges  
 Z 400 ■ Z 400 K

Universal High Speed Centrifuges  
 Z 383 ■ Z 383 K

# Universal Centrifuges

## Z 400 / Z 400 K

### Centrifuges, to meet your needs

- Maximum volume 1.000 ml (4 x 500 ml)
- Accommodate nearly every tube size or bottle from 0.2 ml - 250 ml
- Spin many tubes at once (e.g. 48 x 15 ml)
- Many rotors and adapters available for both swing-out and fixed angle rotors as well as microplate rotors
- Rotors are easy to exchange
- Runs can be timed from 0-60 min. or continuous. Short runs can be achieved with the quick button feature.
- Highly versatile centrifuge to fit your every need

### Centrifuge Safety Features

- Automatic rotor recognition limits rotors to their rated maximum speed
- Imbalance sensor with safety shutdown mechanism
- Electronic lid locking system prevents opening of lid while in usage
- Manufactured in accordance to IEC 1010 regulations
- Powerful CFC-free refrigeration system
- Corrosion resistant stainless steel chambers
- Highly durable construction provides stability during imbalance

### User Friendly Operating Features

- Large easy to view control panel with digital display
- Control knobs for selecting
  - Speed / RCF
  - Running time
  - Temperature
- Digital display for pre-set or actual values
- "QUICK"-button for short runs
- Continuous run feature
- Selectable acceleration and deceleration rates
- Stand still refrigeration
- Pre-set key prevents accidental change of set values



HERMLE "Standard-Control"



## Universal High Speed Centrifuges Z 383 / Z 383 K

### For High Speed Performance

- Capacity for 4 x 500 ml at a speed of 5000 rpm
- Accommodate nearly every size tube or bottle from 0.2 ml - 250 ml at high speeds
- Spin many tubes at once (e.g. 48 x 15 ml)
- Many rotors and adapters available for both swing-out and fixed angle rotors as well as microplate rotors
- High speed microrotors up to 17.000 rpm / 26.810 x g
- High speed angle rotors for 85 ml or 50 ml up to 15.000 min<sup>-1</sup> / 25.909 x g
- Rotors are easy interchangeable

### Safety Features

- All the same features as previously mentioned on the Z 400 and Z 400 K. Additional features include:
- A motor driven lid lock which significantly reduces the force required to activate the lock

### User Friendly Operating Features

- Large easy to view control panel with digital display
- Control knobs for selecting:
  - Speed / RCF
  - Running time
  - Temperature
- Digital display of both pre-set and actual values
- "QUICK"-button for short runs
- Radius correction feature which allows the most accurate g-value calculation by compensating for the different tube sizes and adapters
- Program memory can store up to 10 complete runs
- Braking can be adjusted to 10 different intensities
- Pre-set key prevents accidental change of set values
- Pre-cooling program option



HERMLE "Multi-Control"



Centrifuge	Z 400	Z 400 K	Z 383	Z 383 K
<b>Output data</b>				
Max. speed	13.500 rpm	13.500 rpm	17.000 rpm	17.000 rpm
Max. RCF	17.310 x g	17.310 x g	26.810 x g	26.810 x g
Max. volume	4 x 500 ml	4 x 500 ml	4 x 500 ml	4 x 500 ml
<b>Technical data</b>				
Drive mechanism	brushless induction drive			
Type of control	"Standard-Control"		"Multi-Control"	
Speed range	250-13.500 rpm / 250 rpm		200-17.000 rpm / 10 rpm	
Running time	1-60 min / continuous run		1-60 min / continuous run	
Temperature range		-20 to 40° C		-20 to 40° C
<b>Dimensions in mm</b>				
Unit (L/H/W)	430 x 365 x 540	740 x 340 x 580	500 x 380 x 590	760 x 380 x 595
Package (L/H/W)	550 x 520 x 670	910 x 565 x 765	650 x 565 x 765	910 x 565 x 765
<b>Weight in kg</b>				
Unit	39	89	69	106,5
Unit incl. packaging	45	104	80	120
<b>Power consumption</b>				
Voltages	Article-No.			
230 V / 50-60 Hz	284.00 V01	287.00 V01	272.00 V07	270.00 V07
120 V / 50-60 Hz	284.00 V02	287.00 V02	272.00 V08	270.00 V08
<b>Accessories</b>				
<b>Safety chassis</b>				
Height approx. 61 cm incl. centrifuge	272.98 V01	270.98 V01	272.98 V01	270.98 V01
Height approx. 91 cm incl. centrifuge	272.98 V02	270.98 V02	272.98 V02	270.98 V02

# HERMLE

## LABORTECHNIK

HERMLE Labortechnik GmbH  
Siemensstrasse 25  
78564 Wehingen  
Germany  
Phone + 49-74 26- 96 22-50  
Fax + 49-74 26- 96 22-49  
E-mail: [vertrieb@hermle-labortechnik.de](mailto:vertrieb@hermle-labortechnik.de)  
Internet: <http://www.hermle-labortechnik.de>

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[www.ert.pt](http://www.ert.pt)

[info@ert.pt](mailto:info@ert.pt)

Telf. 217 142 066 - Fax. 217 145 674

Rua Soeiro Pereira Gomes, Lote 5, Cave Drt.  
2845-387 Amora  
Portugal