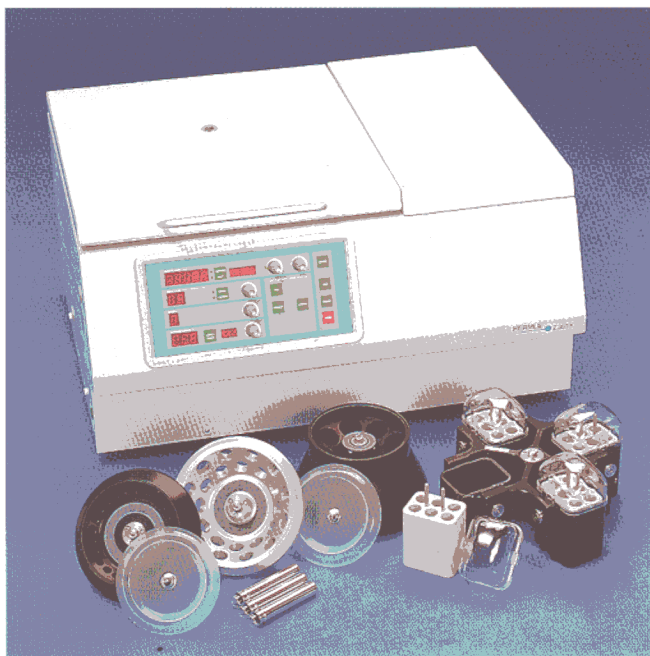
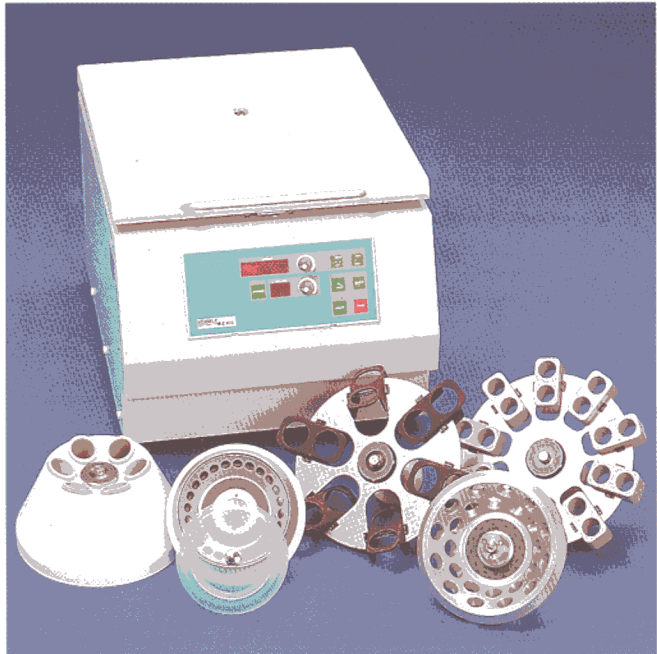
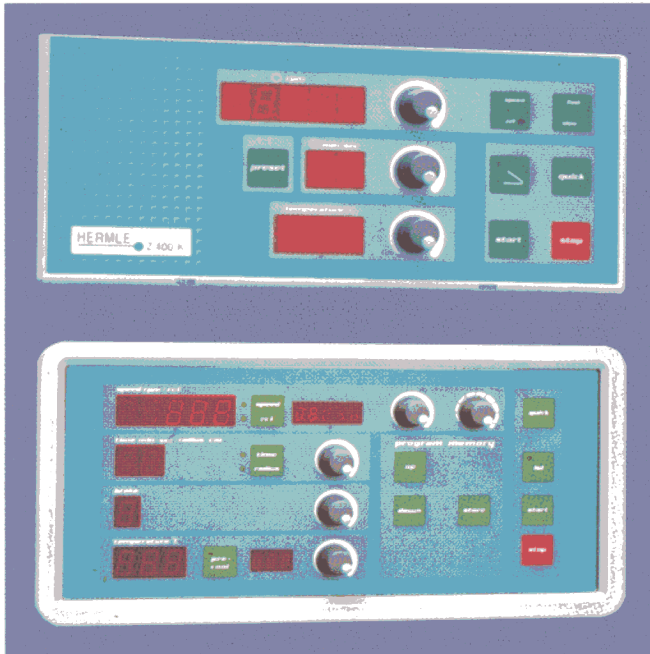


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LABORTECHNIK



Universal Centrifuges
Z 400 ■ Z 400 K

Universal High Speed Centrifuges
Z 383 ■ Z 383 K

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Universal Centrifuges 400 / Z 400 K

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Centrifuges to meet your needs

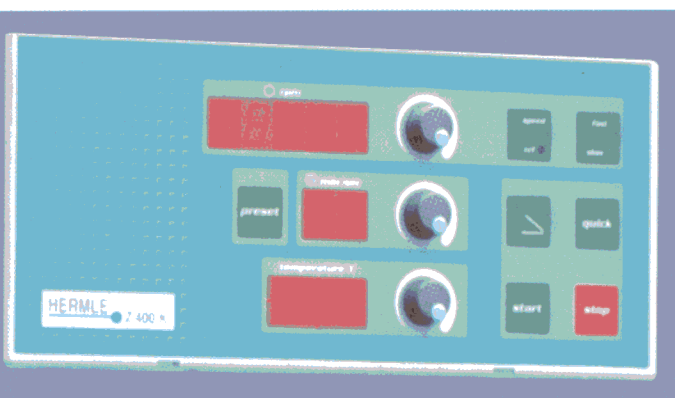
Maximum volume 1.000 ml (4 x 250 ml)
Accommodate nearly every size tube or bottle from 0.2 ml - 250 ml
Spin many tubes at once (e.g. 48 x 15 ml)
Many rotors and adapters available for both swing-out and fixed angle rotors as well as microplate rotors
Rotors are easy to exchange
Runs can be timed from 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

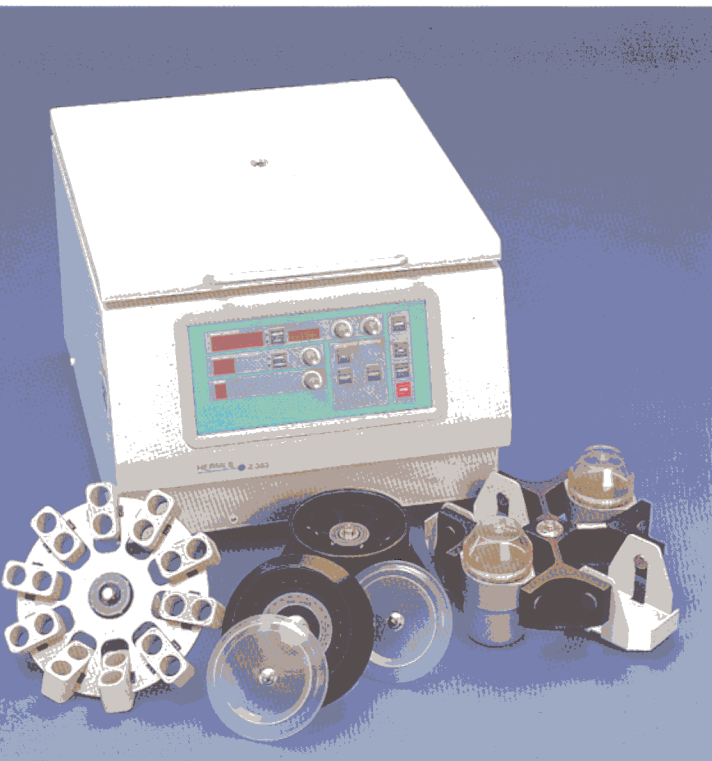
User Friendly Operating Features

Large easy to view control panel with digital display
Control knobs for selecting
Speed / RCF
Running time
Temperature
Digital displays for pre-set or actual values
"QUICK"-button for short runs
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 250 ml at a speed of 5.000 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 rpm / 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.
- Programmable memory
- Radius correction feature which allows the most accurate g-value calculation by compensating for the different tube sizes and adapters.



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 values
- 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"

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Centrifuge	Z 400	Z 400 K	Z 383	Z 383 K
Output data				
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 250 ml	4 x 250 ml	4 x 250 ml	4 x 250 ml
Technical data				
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 / endurance run		1-60 min / endurance run	
Temperature range		-10 - 40 ° C		-10 - 40 ° C
Dimensions in mm				
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
Weight in kg				
Unit	39	89	69	106,5
Unit incl. packaging	45	104	80	120
Power consumption				
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
230 V / 50-60 Hz	284.00 P03	287.00 P03		
	incl. rotor 220.27 V02 and buckets 610.015			
120 V / 50-60 Hz	284.00 P04	287.00 P04		
	incl. rotor 220.27 V02 and buckets 610.015			
Accessories				
Safety chassis				
Height approx. 70 cm incl. centrifuge	272.98 V01	270.98 V01	272.98 V01	270.98 V01
Height approx. 110 cm incl. centrifuge	272.98 V02	270.98 V02	272.98 V02	270.98 V02

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