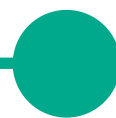


HERMLE

LABORTECHNIK



Universal Centrifuges
Z 300 ■ Z 300 K

Universal High Speed Centrifuges
Z 323 ■ Z 323 K

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Universal Centrifuges

Z 300 / Z 300 K

Centrifuges to meet your needs

- Maximum volume 400 ml (4 x 100 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"



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Universal High Speed Centrifuges Z 323 / Z 323 K

For High Speed Performance

- Capacity for 4 x 100 ml at a speed of 5.000 rpm
- 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 13.500 rpm / 20.986 x g
- Rotors are easy interchangeable

Safety Features

- All the same features as previously mentioned on the Z 300 and Z 300 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 300	Z 300 K	Z 323	Z 323 K
Output data				
Max. speed	13.500 rpm	13.500 rpm	17.000 rpm	17.000 rpm
Max. RCF	17.523 x g	17.523 x g	26.810 x g	26.810 x g
Max. volume	4 x 100 ml	4 x 100 ml	4 x 100 ml	4 x 100 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 / continuous run		1-60 min / continuous run	
Temperature range		-10 - 40° C		-10 - 40° C
Dimensions in mm				
Unit (L/H/W)	355 x 330 x 475	420 x 335 x 660	390 x 370 x 550	690 x 370 x 550
Package (L/H/W)	480 x 610 x 490	740 x 510 x 850	520 x 470 x 650	820 x 700 x 590
Weight in kg				
Unit	27	55	44	75
Unit incl. packaging	32	68	51	88
Power consumption				
Voltages	Article-No.			
230 V / 50-60 Hz	283.00 V01	289.00 V01	278.00 V01	279.00 V01
120 V / 50-60 Hz	283.00 V02	289.00 V02	278.00 V02	279.00 V02
230 V / 50-60 Hz	283.00 P01 incl. rotor 220.72 V04 and buckets 605.000	289.00 P01		
120 V / 50-60 Hz	283.00 P02 incl. rotor 220.72 V04 and buckets 605.000	289.00 P02		
Accessories				
Safety chassis				
Height approx. 56 cm incl. centrifuge	272.98 V01	274.98 V01	272.98 V01	270.98 V01
Height approx. 86 cm incl. centrifuge	272.98 V02	274.98 V02	272.98 V02	270.98 V02



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