

Universal Centrifuges

■ Z 366

■ Z 366 K



HERMLE
LABORTECHNIK

6 x 250 ml

Z 366

Z 366 K



Specifications

- Maintenance-free induction drive
- Microprocessor with large LCD display
- Motor driven lid lock
- Automatic radio-frequency rotor identification system (RFID) with over speed protection, immediately upon rotor insertion
- Active imbalance identification and cut off (rotor-specific)
- CFC-free refrigeration system
- A large variety of rotors and accessories
- Audible signal at the end of each run with several melody options
- Noise level < 63 dBA (depend on rotor)
- Manufactured according to international safety regulations, i. e. IEC 61010
- Stainless steel chamber

These universal table top centrifuges Z 366 and Z 366 K putting new scales regarding the versatility, running features, easy handling and design. Both, the tube capacity of 40 x 15 ml conical tubes and centrifugal forces up to 24,325 xg, turning these table top centrifuges Z 366 and Z 366 K into universal high-powered centrifuges.

Technical Data

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: 99 h 59 min / 59 min 50 s
in 1 min / 10 s increments

Dimensions

Z 366: 43 cm x 36 cm x 51 cm (WxHxD)
Z 366 K: 72 cm x 36 cm x 51 cm (WxHxD)

Weight:

Z 366: 52 kg
Z 366 K: 77 kg

Power input:

Z 366: 520 W
Z 366 K: 785 W

Order numbers:
































































Z 366: 301.00 V03 - Z 366, 230 V / 50 - 60 Hz
301.00 V04 - Z 366, 120 V / 50 - 60 Hz
Z 366 K: 319.00 V01 - Z 366 K, 230 V / 50 - 60 Hz
319.00 V02 - Z 366 K, 120 V / 50 - 60 Hz










Distinct Control Panel

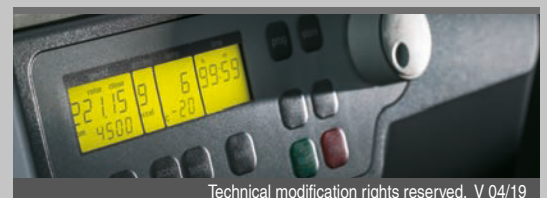
- Simple one handed operation
- Easy to program with gloves on
- Foil keyboard
- Permanent indication of preset and actual values
- Selection of speed in both rpm and g-force, with increments of 10
- 10 acceleration and deceleration rates, possibility of unbraked deceleration
- Temperature range from -20°C to 40°C with 1°C increments
- 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

Accessories Z 366 and Z 366 K

Rotor/Bucket	Adapter																																																																																																																																																																								
Order No.: 221.15 V20 Swing out rotor 4 place Angle: 0-90° 	628.100 PC-Screw cap  Acceleration in s: 34/309 Deceleration in s: 36/458 Max. speed: 4,500 rpm Max. RCF: 3,780 xg Max. radius: 16.7 cm Temp. at max. speed: -2°C																																																																																																																																																																								
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Order No.: 221.16 V20  Swing out rotor 2 x 3 Microtitreplates Angle: 0-90°	Acceleration in s: 43/432 Deceleration in s: 38/616 Max. speed: 4,500 rpm Max. RCF: 2,716 xg Max. radius: 12 cm max. loading height: 63 mm max. loading weight: 310 g Temp. at max. speed: -3°C		Order No.: 706.000	Tube rack 48 x 1.5 ml (2.0 ml)																																																																																																																																																																					
Order No.: 220.87 V22  PPS-Lid Angle rotor 24 x 1.5/2.0 ml Angle: 45° hermetically sealed	Acceleration in s: 22/219 Deceleration in s: 23/369 Acceleration in s: 26/231 Deceleration in s: 23/392 Max. speed: 15,000/16,000 rpm Max. RCF: 21,379/24,325 xg Max. radius: 8.5 cm Max. Ø: 11 mm Temp. at max. speed: 9°C		Order No.: without Adapter without Adapter 704.005 704.004	Tube rack 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR	Ø (mm) 11 11 8 6	Length (min./max.) 40 40 45 45																																																																																																																																																																			
Order No.: 220.87 V20  Alu-Lid Angle rotor 24 x 1.5/2.0 ml Angle: 45° hermetically sealed	Acceleration in s: 25/217 Deceleration in s: 24/354 Acceleration in s: 27/235 Deceleration in s: 24/490 Max. speed: 15,000/16,000 rpm Max. RCF: 21,379/24,325 xg Max. radius: 8.5 cm Max. Ø: 11 mm Temp. at max. speed: 9°C		Order No.: without Adapter without Adapter 704.005 704.004	Tube rack 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR	Ø (mm) 11 11 8 6	Length (min./max.) 40 40 45 45																																																																																																																																																																			
Order No.: 221.18 V21  Angle rotor 6 x 85 ml Angle: 38°	Acceleration in s: 72/697 Deceleration in s: 62/1,714 Acceleration in s: 118/825 Deceleration in s: 76/1,630 Max. speed: 11,000/13,000 rpm Max. RCF: 15,555/21,726 xg Max. radius: 11.5 cm Max. Ø: 38 mm Temp. at max. speed: 15°C		Order No.: without Adapter 707.003 707.004 707.002 707.015 707.000 707.001 707.014	Tube rack 1 x 85 ml 1 x 50 ml 1 x 50 ml conical 1 x 30 ml 1 x 16 ml 2 x 15 ml 1 x 15 ml 1 x 15 ml conical	Ø (mm) 38 29 29 25 18 17 17 17	Length (min./max.) 113 105 116 90/103 103/110 95/100 103/110 120																																																																																																																																																																			

Accessories Z 366 and Z 366 K

Rotor/Bucket		Adapter				
Order No.: 221.19 V20  Angle rotor 30 x 15 ml glass or 20 x 15 ml conical Angle: 35°	Acceleration in s: 25/149 Deceleration in s: 19/985 Max. speed: 4,500 rpm Max. RCF: 2,830 xg Max. radius: 12.5 cm Max. Ø: 17 mm Temp. at max. speed: -12°C	Order No.: without Adapter without Adapter 701.011 701.012 701.015 701.018	Tube rack 1 x 15 ml Glass 1 x 15 ml conical 1 x 7 ml 1 x 5 ml (RIA) 1 x 1.5/2.0 ml 1 x 9 ml Sarstedt®	Ø (mm) 17.0 17.0 13.5 13.5 11 17	Length (min./max.) 95/115 120 95/115 70/90 40 92/107	
Order No.: 221.20 V20  Angle rotor 4 x 85 ml Angle: 30°	Acceleration in s: 60/506 Deceleration in s: 44/1,745 Max. speed: 12,000 rpm Max. RCF: 14,809 xg Max. radius: 9.2 cm Max. Ø: 38 mm Temp. at max. speed: 5°C	Order No.: without Adapter 707.003 707.004 707.002 707.015 707.000 707.001 707.014	Tube rack 1 x 85 ml 1 x 50 ml 1 x 50 ml conical* 1 x 30 ml 1 x 16 ml 2 x 15 ml 1 x 15 ml 1 x 15 ml conical*	Ø (mm) 38 29 29 25 18 17 17 17	Length (min./max.) 113 105 116 90/103 103/110 95/100 103/110 120	
Order No.: 221.21 V20  Angle rotor 6 x 250 ml Angle: 28°	Acceleration in s: 130/664 Deceleration in s: 83/2,906 Max. speed: 8,000 rpm Max. RCF: 10,016 xg Max. radius: 14 cm Max. Ø: 62 mm Temp. at max. speed: 3°C	Order No.: without Adapter 713.045 713.042 713.030 713.028 713.025 713.020 713.015	Tube rack 1 x 250 ml 1 x 175/225 ml Falcon® 1 x 50 ml conical 1 x 50 ml 2 x 30 ml 4 x 15 ml conical 5 x 10 ml 8 x 1.5/2.0 ml	Ø (mm) 62 61 29 29 26 17 16 11	Length (min./max.) 122 118/137 118 103 92 120 80 40	
Order No.: 221.22 V21  Angle rotor 6 x 50 ml Angle: 26°	Acceleration in s: 48/446 Deceleration in s: 44/1,323 Max. speed: 13,000 rpm Max. RCF: 15,869 xg Max. radius: 8.4 cm Max. Ø: 29 mm Temp. at max. speed: 0°C	Order No.: without Adapter 708.019 708.003 708.004 708.017	Tube rack 1 x 50 ml 1 x 30 ml 1 x 16 ml 1 x 15 ml 1 x 15 ml conical*	Ø (mm) 29 25 18 17 17	Length (min./max.) 95/115 92/95 100/105 100/105 120	
Order No.: 221.28 V21  Angle rotor 20 x 10 ml Angle: 30°	Acceleration in s: 54/512 Deceleration in s: 42/1,439 Max. speed: 12,000 rpm Max. RCF: 15,775 xg Max. radius: 9.8 cm Max. Ø: 16 mm Temp. at max. speed: 0°C	Order No.: without Adapter	Tube rack 1 x 10 ml	Ø (mm) 16	Length (min./max.) 80	
Order No.: 221.52 V20  Angle rotor 10 x 50 ml conical Angle: 38°	Acceleration in s: 69/647 Deceleration in s: 55/1,942 Acceleration in s: 115/753 Deceleration in s: 65/2,395 Max. speed: 9,000/10,500 rpm Max. RCF: 11,771/16,022 xg Max. radius: 13 mm Max. Ø: 29 mm Temp. at max. speed: 9°C	Order No.: 708.050 701.011* 701.012* 701.015* 708.051	Tube rack 1 x 15 ml RB 1 x 7 ml 1 x 5 ml 1 x 1.5/2.0 ml 1 x 15 ml conical	Ø (mm) 17 13.5 13.5 11 17	Length (min./max.) 97/123 95/115 70/90 40 120	
Order No.: 221.68 V20  Angle rotor 44 x 1.5/2.0 ml Angle: 32°/55°	Acceleration in s: 31/256 Deceleration in s: 24/327 Acceleration in s: 33/275 Deceleration in s: 26/536 Max. speed: 15,000/16,000 rpm Max. RCF: 21,379/24,325 xg Max. radius: 8.5 cm Max. Ø: 11 mm Temp. at max. speed: 8°C	Order No.: without Adapter without Adapter 704.005 704.004	Tube rack 1 x 2.0 ml 1 x 1.5 ml 1 x 0.5 ml 1 x 0.4/0.2 ml PCR	Ø (mm) 11 11 8 6	Length (min./max.) 40 40 45 45	



Package Options for Universal Centrifuges

- Z 366
- Z 366 K



Rotor No.:
221.61 V20

■ Packages Z 366 / Z 366 K + 221.61 V20

With the Swing Out Rotor 221.61 V20, you have the possibility to spin a large quantity of conical, blood tubes or micro tubes.

For high volume, there is an adapter for 250 ml bottles available, as well!

Universal Centrifuge
Z 366

Rotor No.:
221.61 V20

Package Z 366
Order No.:



301.00 P05 - 230V version
301.00 P06 - 120V version

Universal Centrifuge
Z 366 K

Rotor No.:
221.61 V20

Package Z 366 K
Order No.:



319.00 P03 - 230V version
319.00 P04 - 120V version

For Rotor 221.61 V20, there are 7 different adapters/buckets available.
Order Nos.: 630.000, 630.001, 630.002, 630.003, 630.004, 630.005 and 628.016

ATTENTION: These are NOT included in the package - Must be ordered separately!

Order No.: 221.61 V20



Acceleration s: 34/311
Deceleration s: 36/387
Acceleration s: 34/307
Deceleration s: 35/487
Max. Speed: 4,500 rpm
Max. RCF: 3,735 xg
Max. Radius: 16.5 cm
Temp. At Max. Speed: 2°C

Swing Out Rotor 4 places
Angle: 0-90°

*Please Note, Adapter 628.016 can only be used in Bucket 630.004!

Volume	250 ml	50 ml	15 ml
Ø in mm	62	29	17
Length min./max. (mm):	122	116	121
Tubes per rotor:	4	16	40
Order No. Adapter:	630.004	630.000	630.001

	Monovets/Vacutainer 6-10 ml	Monovets/Vacutainer 1.1-7ml	Monovets/Vacutainer 2-3 ml	1.5/2.0 ml
Volume	6-10 ml	1.1-7ml	2-3 ml	1.5/2.0 ml
Ø in mm	16	13	11	11
Length min./max. (mm):	92/100	75/100	66	38
Tubes per rotor:	48	56	72	36
Order No. Adapter:	630.003	630.002	630.005	628.016*