

Universal Centrifuges

| Z 366

| Z 366 K



6 x 250 ml

Z 366

Z 366 K



* This centrifuge model and its accessories are an IVD device according to IVDR (EU) 2017/746. It is intended for the separation of mixtures of substances of different densities, in particular for the preparation and processing of samples from the human body in the context of an in vitro diagnostic application, in order to enable the intended use of the in vitro diagnostic medical device. It must not be used to determine any measured values and after centrifugation, no components of human origin may be implanted or administered back into the body.

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 (W x H x D)
Z 366 K:	72 cm x 36 cm x 51 cm (W x H x D)

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									
Volume ø in mm Length min./max. (mm) Tubes per rotor Radius correction (cm) Order No. Tube rack		290ml 62	250 ml 62	100 ml 41	50 ml 34	50 ml 29	50 ml 29 conical	50 ml 29 Rim	25 ml 24,5	25 ml 24,5 Rim	15 ml 17
         		137 4	110 / 130 4	95 / 120 4	100 / 120 4	95 / 120 12	116 12	100 / 120 8	100 / 120 20	85 / 100 12	76 / 115 36
		0,6	0,7	0,5	0,6	0,1	0,0	0,6	0,3	0,9	0,1
		628.017	628.000	628.001	628.008	628.002	628.005	628.006	628.003	628.010	628.004

Volume ø in mm Length min./max. (mm) Tubes per rotor Radius correction (cm) Order No. Tube rack		15ml 17 conical	13-15 ml 17 Rim	10 ml 16	9 ml 14	5-7 ml 13	1,8-7 ml 13 Vacutainer®	6-10 ml 16 Vacutainer®	2,6-5 ml 11/13 Sarstedt®	4-10 ml 15/16 Sarstedt®	1,5-2,0 ml 11
         		120 28	100 / 120 28	80 / 100 32	76 / 115 36	65 / 120 56	75 / 100 40	100 32	65 / 92 40	75 / 92 32	40 36
		0,0	0,3	0,1	0,1	0,5	0,5	0,1	0,5	0,1	0,8
		628.007	628.011	628.012	628.004	628.013	628.014	628.015	628.014	628.015	628.016*
*only possible with adapter 628.000 and 628.017											

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)
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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
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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
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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
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Accessories Z 366 and Z 366 K

Rotor/Bucket		Adapter				
Order No.: 221.19 V20		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 4.5 - 10 ml Sarstedt®	Ø [mm] 17.0 17.0 13.5 13.5 11 11-16	Length [min/max.]: 95/115 120 95/115 70/90 40 90/92
Order No.: 221.20 V20		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 *only without rotor lid	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		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		Acceleration in s: 48/446 Deceleration in s: 44/1,323 Max. speed: 13,000 min-1 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* *only without rotor lid	Ø [mm] 29 25 18 17 17	Length [min/max.]: 95/115 92/95 100/105 100/105 120
Order No.: 221.28 V21		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		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
						*only possible with adapter 708.050
Order No.: 221.68 V20		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	Länge [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	Monovets/Vacutainer 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*