

BOECO CENTRIFUGES U-320 / U-320R

Because of their comprehensive range of accessories, the U-320 and U-320R centrifuges are the perfect universal centrifuges for routines in basic research and R&D laboratories of the pharmaceutical and biotechnical industry. The microprocessor controlled centrifuges have a brushless frequency drive (no carbon brushes) and a motorized lid locking.

Performance

- ▶ High RCF
- ▶ Extremely short run-up and run-down times

Design

- ▶ Metal housing, metal lid
- ▶ Stainless steel centrifugation chamber
- ▶ Viewing port in the lid

Refrigeration (U-320R)

- ▶ Infinitely variable setting from $-20\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$
- ▶ Fast cool function

User-Friendliness

- ▶ Automatic lid locking
- ▶ Easily exchangeable rotors
- ▶ 10 programmable memories
- ▶ 9 acceleration and braking ramps, or unbroken run down time

Safety

- ▶ Lid locking and holding during rotor run
- ▶ Emergency lid lock release
- ▶ Motor overheating protection
- ▶ Chamber overheating protection (with U-320R)
- ▶ Imbalance switch-off
- ▶ Automatic rotor recognition
- ▶ Lid dropping protection

Controls and displays

- ▶ During centrifugation the actual values of the parameters are indicated
- ▶ Change-over RPM/RCF: by entering the rotor radius r/mm the Centrifuge will calculate/indicate speed or RCF.
- ▶ Time preselection in steps of minutes and seconds / continuous operation
- ▶ Temperature $T/^{\circ}\text{C}$: Input in increments of 1°C
- ▶ Impulse key: For short centrifugation operations

The U-320 / U-320R conform to safety regulations such as IEC 61010 or the CE mark and all relevant EC standards and DIN norms and have been manufactured under ISO 9001:2008

Technical details

	U-320	U-320 R
Max. Capacity:	4 x 200 ml, 6 x 94 ml	
Max. RPM (speed) / RCF:	15,000 RPM / 21,382 RCF	
Noise level: (dependent on rotor)	$\leq 68\text{ dB (A)}$	$\leq 58\text{ dB(A)}$
Dimensions in mm (HxWxD):	346 x 395 x 520	346 x 401 x 695
Net weight:	approx 31 kg	53 kg
Emission / Immunity:	EN IEC 61326-1, class B / FCC Class B	

Code	Description
BOE 01401-13	BOECO centrifuge U-320, 200-240 V, 50-60 Hz, without rotor
BOE 01401-12	BOECO centrifuge U-320, 100-127 V, 50-60 Hz, without rotor
BOE 01406-13	BOECO refrigerated centrifuge U-320R, 200-240 V, 50 Hz / 240 V, 60 Hz, without rotor
BOE 01406-12	BOECO refrigerated centrifuge U-320R, 115-127 V, 60 Hz, without rotor



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