FluxPro UM-645 — Benchtop Centrifuge with Auto-Uncap, 4 × 400 ml



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Overview

The benchtop centrifuge UM-645 can accommodate the blood collection tubes of height 100 mm and 76 mm with auto decapping adapter, which improves the work efficiency. An automatic cap-opening centrifuge is a type of centrifuge that features an automatic lid-opening function, which allows for easy loading and unloading of centrifuge tubes. This type of centrifuge is commonly used for sample separation and purification in applications such as biochemistry, molecular biology, medicine, and other laboratory settings. It is characterized by its ease of use, efficiency, and safety, which can save time and effort for laboratory personnel, while also avoiding contamination and errors that can occur with manual operation.

Key Features

- Metal housing, metal lid, and 304# stainless steel centrifuge chamber are autoclave-able and resistant detergents and disinfection liquids.
- Observations window on lid for speed calibration and noise measurement.
- Microprocessor control with frequency conversion A.C. motor drive.
- LCD Display the parameters of Speed, Timer, RCF, Rotors, Program(Memory), Acceleration& Deceleration information and Error code information.
- Double layers sealing ring made for the centrifuge lid and the instrument to keep long good sealing.
- Programmable and storable, stores up to 30 programs and provides direct user access with one keystroke save. The stored parameter: combination remains in the memory even after the centrifugation has been switched off.
- Provides the 10 acceleration rates and 10 braking ramp, to effectively avoid secondary sedimentation, with better centrifugation effect.
- Automatic lid-locking and holding during rotor run.

Technical Specifications

Speed Range	0-6000 rpm adjustable
Max Speed	6000 rpm
Speed Accuracy	±10 rpm
Max Capacity	4 × 400 ml
RCF Range	0-4588 ×g adjustable
Max RCF	4588 ×g
Timer	0-99minutes
Display	LCD
Noise	< 58 dB(A)
Acceleration / Deceleration Rates	0-- 9
Motor / Drive	Frequency Converter motor
Dimensions (L × W × H)	620 × 440 × 360 mm
Net Weight	43 kg
Power Supply	AC220V,50Hz,10A,570W
Matched Rotors	Fixed angle rotors; Swing out buckets rotor
Certification	CE, ISO13485,ISO9001, SFDA
Part Number	UM-645
Lead Time	4–6 weeks ARO

Rotors & Accessories

No.	Item	Capacity	Max.speed	Max.RCF	Note
NO.1	Angle rotor	12×15-10-5ml	6000r/min	4588xg	PP/PC tube
Adapter	12 × 2 ml				
NO.2	Swing bucket	4 × 300 ml	4000r/min	3040xg	Square bucket
Decapping adapter	4×12×5-2ml				
Adapter	4×6×15-10ml				
Adapter	4×2×50 ml				
Adapter	4×100ml				
NO.3	Swing bucket	4×400 ml	4000r/min	3040xg	Square bucket
Decapping adapter	4×16×2-5ml				
Adapter	4×9×10-15ml				
Adapter	4×4×50ml				
Adapter	4×100ml				

Standard Configuration

Rotor and accessories as quoted. Part number: **UM-645**.

Warranty and Service

Warranty terms are stated on the quotation. For service, calibration and spare parts contact support@uv-incure.com.