FluxPro UR-2120 — Refrigerated High-Speed Centrifuge, 21,000 rpm



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Overview

Benchtop high speed refrigerated centrifuge UR-2120 can reach a maximum speed of 21000rpm, it can fit fixed angle head rotors for variable volumes,the max capacity is 4*100ml. The refrigeration feature allows for temperature control during the separation process, which is important for maintaining the integrity of certain samples. It is designed to accommodate various types of fixed-angle rotors and adapters, making it suitable for high-speed centrifugation of volumes ranging from 0.2ml to 100ml. Its compact design makes it ideal for laboratories with limited space.

Key Features

- Metal housing, metal lid, and 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.
- CFC-free refrigerant, temperature sensor inside the chamber, pre-cooling feature, precise temperature control up to – 20°C.
- 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.

Technical Specifications

Speed Range	0-21000 rpm adjustable
Max Speed	21000 rpm with fixed angle rotor 12 × 1.5/2.2 ml
Speed Accuracy	±10r/min
Max Capacity	4 × 100 ml
RCF Range	0-31061 ×g adjustable
Max RCF	31061 ×g
Timer	1-99minutes adjustable
Display	LCD
Noise	< 58 dB(A)
Acceleration / Deceleration Rates	1-10 rates
Temperature Range	-20 °C to +40 °C
Temperature Accuracy	±1 °C
Dimensions (L × W × H)	600 × 570 × 380 mm (L × W × H)
Net Weight	80 kg
Power Supply	AC220V,50Hz,10A, 880W
Matched Rotors	Fixed angle rotors
Certification	CE, ISO13485,ISO9001, SFDA
Part Number	UR-2120
Lead Time	4–6 weeks ARO

Rotors & Accessories

No.	Item	Max. capacity	Max.speed	Max.RCF	Note
NO.1	Angle rotor	12×1.5/2.2ml	21000r/min	31061xg	PP/PC tube
Adapter	12×0.5ml	PP/PC tube			
Adapter	12×0.2ml	PP/PC tube			
NO.2	Angle rotor	12×5ml	16500r/min	19480xg	PP/PC tube
Adapter	12×1.5ml	PP/PC tube			
NO.3	Angle rotor	12×10ml	15000r/min	21130xg	PP/PC tube
Adapter	12×5ml	PP/PC tube			
Adapter	12×1.5ml	PP/PC tube			
NO.4	Angle rotor	24×1.5/2.2ml	16000r/min	24843xg	PP/PC tube
Adapter	24×0.5ml	PP/PC tube			
Adapter	24×0.2ml	PP/PC tube			
N0.5	Angle rotor	48×1.5/2.2ml	14000r/min	20379xg	PP/PC tube
Adapter	48×0.5ml	PP/PC tube			
Adapter	48×0.2ml	PP/PC tube			
NO.6	Angle rotor	12×8×0.2ml	12000r/min	16985xg	PCR 8-tube strips
NO.7	Angle rotor	10×15ml	13000r/min	19650xg	PP/PC tube
Adapter	10×5ml	PP/PC tube			
Adapter	10×1.5ml	PP/PC tube			
NO.8	Angle rotor	6×50ml	13000r/min	18327xg	PP/PC tube
Adapter	6×15ml	PP/PC tube			
Adapter	6×10ml	PP/PC tube			
Adapter	6×3×1.5ml	PP/PC tube			
NO.9	Angle rotor	4×10/100ml	11000r/min	13284xg	PP/PC tube
Adapter	4×50ml	PP/PC tube			
Adapter	4×15ml	PP/PC tube			
Adapter	4×10ml	PP/PC tube			
Adapter	4×5ml	PP/PC tube			
Adapter	4×1.5ml	PP/PC tube			

Standard Configuration

Rotor and accessories as quoted. Part number: **UR-2120**.

Warranty and Service

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