



FRONTIER™ 5706P

Multi Centrifuges



Reliable and Compact Multi-Function Low-Speed Centrifuge for General Purpose and Diagnostic Applications

Frontier 5706P Multi Centrifuge is a small benchtop multi-function centrifuge ideal for a multitude of separation applications. With versatile standard rotor options, the FC5706P seamlessly processes both round and conical bottom tubes, including common blood and urine tubes. Enhanced by user-friendly design, this centrifuge features an intuitive interface that streamlines operation and maximizes efficiency, all while conserving valuable bench space.

Unique Features:

- Designed for ease of operation, Frontier 5706P Multi Centrifuge features convenient control on an intuitive interface, which allows for responsive operation – even when wearing gloves.
- Enhanced adaptability to satisfy different customers' requirements in diagnostic and general laboratory applications. The FC5706P can hold up a variety of different tubes, starting from 50 ml to smaller volume 1,5 ml tubes. The Frontier 5706P offers 5 rotors options including a fixed angle rotor suitable for 18×1,5/2,0 ml tubes and a swing-out rotor that can hold 4×10 ml blood and urine tubes, boosting its versatility for various laboratory needs.
- Enclosing all its functionalities within a small footprint, the FC5706P saves valuable space on the lab bench.

FRONTIER™ 5706P *Multi Centrifuges*

Designed for a User-Friendly Experience

- Easy-to-use touch-wheel interface for parameter adjustments
- Convenient interface shows both set and actual parameters
- One-touch toggling between RPM/RCF and Acc/Dec
- Double-line LCD display with light blue back light
- Audible signal at the end of each run with a melody
- 10 acceleration/deceleration settings
- 99 memory sets to quickly store and recall commonly used parameters

Safety Features Enclosed Within Small Footprint

- Microprocessors control to help prevent accidents and protect both the user and the equipment
- Rotor imbalance sensor system stops the unit when it detects an imbalanced load
- Sturdy mechanical lid with locking system
- LED status to indicate the operational condition of the centrifuge like run completed (green), standby (yellow) or centrifugation (red)

Flexible Rotor Selections and Kits to Cover a Wide Range of General Laboratory and Diagnostic Applications

- Maintenance-free DC motor produces a maximum G-force of $4427 \times g$
- Speeds up to 6000 rpm and quick spin for short runs
- Additional fixed angle rotor ($18 \times 1,5/2,0$ ml microtubes) and swing out rotor (4×10 ml blood tubes) for enhanced flexibility



FRONTIER™ 5706P Multi Centrifuges

Specifications

Model		FC5706P
Order No.		31012112
Speed Range		200 – 6 000 rpm; 10 rpm/set
Maximum RCF		4 427×g; 10 g/set
Maximum Capacity (Rotor)		Angle Rotor: 6×50 ml
Temperature range		Air cooled
Refrigerant		N/A
Running Time		Quick Spin, 10 sec to 99 hr 59 min, or continuous
Noise level (depending on the rotor)		≤ 56 ±2 dB(A)
Acc/Dec Levels		10/10
Allowable Density at Maximum Speed		1,2 g/ml
Allowable Kinetic Energy		2 427 Nm
Rated voltage		100-240 V/50-60 Hz
Voltage Fluctuation		± 10 %
Rated current		2,5 – 1,0 A
Power continues		70 W
Dimensions (W×D×H)		323×427×271 mm
Net Weight (without rotor)		14,2 kg
Shipping Dimensions (W×D×H)		370×540×365 mm
Shipping Weight (without rotor)		17,6 kg
Ambient conditions (EN/IEC 61010-1)	Environment	For indoor use only
	Altitude	Use up to an altitude of 2 000 m
	Ambient temperature	5 °C up to 35 °C
	Max. relative humidity	Max. relative humidity 80 % for temperatures up to 31 °C Decreasing linearly to 50 % relative humidity up to 35 °C.
EMC		EN/IEC 61326-1 Class B emissions, Basic immunity FCC Class B emissions
Not suitable for use in hazardous environments.		

Rotors for FRONTIER™ FC5706P



Angle Rotor 6 × 50 ml	
Item No.	30314830
Rotor Capacity	6 x 50 ml
Rotor Type	Angle, 40°
Permissible Net Weight	6 x 72 g
Lowest Temp. at max. speed	n/a

Accessory Specifications	n/a						
Accessory Item No.	n/a	30130886*	30130889*	30130890*	30130891	30130892	30130894
Accessory Type	n/a	Adapter					
Max. RPM	6,000						
Quantity in Package	n/a	6/pk	2/pk				
Max. RCF	4,427 x g	2,696 x g	4,105 x g	3,340 x g	4,306 x g	4,145 x g	4,266 x g
Tube Specifications							
Tube Type	Round Bottom/ Conical Bottom	Microtube	Round Bottom/ Vacutainer®	RIA/Vacutainer® / Sarstedt®	Round Bottom/Vacutainer®		Round Bottom/ Conical Bottom
Tube volume	50 ml	1.5/2.0 ml	7 ml	5 ml	30 ml	16 ml	15 ml
Tubes per Rotor	6						
Max. Tube Diameter (mm)	29	11	13		25	18	17
Tube Height (mm)	100/120	42	95/100	65/75	100	100/105	97/120

* only possible with adapter 30130894



Angle Rotor 12 × 15 ml	
Item No.	30130877
Rotor Capacity	12 x 15 ml
Rotor Type	Angle, 32°
Permissible Net Weight	12 x 25 g
Lowest Temp. at max. speed	n/a

Accessory Specifications	n/a				
Accessory Item No.	n/a	30211180	30130889	30130890	30130886
Accessory Type	n/a	Adapter			
Max. RPM	6,000	6,000			
Quantity in Package	n/a	2/pk			6/pk
Max. RCF	4,427 x g	4,226 x g	4,265 x g	3,621 x g	3,058 x g
Tube Specifications					
Tube Type	Round Bottom/Conical Bottom	Vacutainer® / Sarstedt®	Round Bottom/Vacutainer®	RIA/Vacutainer®/Sarstedt®	Microtube
Tube volume	15 ml	9-10ml	7 ml	5 ml	1.5/2.0 ml
Tubes per Rotor	12				
Max. Tube Diameter (mm)	17	16	13		11
Tube Height (mm)	121	92-107	95/115	65/75	42

Rotors for FRONTIER™ FC5706P



Swing Out Rotor 6 × 5 ml	
Item No.	30130880
Rotor Capacity	6 x 5 ml
Rotor Type	Swing Out, 0-90°
Permissible Net Weight	6 x 40 g
Lowest Temp. at max. speed	n/a

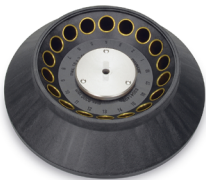
Accessory Specifications	
Accessory Item No.	30130895
Accessory Type	Buckets (included)
Max. RPM	4,000
Quantity in Package	2/pk
Max. RCF	1,878 x g
Tube Specifications	
Tube Type	Round Bottom/Vacutainer®
Tube volume	5 ml
Tubes per Rotor	6
Max. Tube Diameter (mm)	13
Tube Height (mm)	75



Rotor Swing Out 4 × 10 ml	
Item No.	31013397
Rotor Capacity	4 × 10 ml
Rotor Type	Swing Out, 0-90°
Permissible Net Weight	148 g
Lowest Temp. at max. speed	n/a

Accessory Specifications	
Accessory Item No.	31021231
Accessory Type	Rack (included)
Max. RPM	4,200
Quantity in Package	4
Max. RCF	2,406 × g
Tube Specifications	
Tube Type	Round Bottom/ Vacutainer®/ Sarstedt®
Tube volume	1.8-10 ml
Tubes per Rotor	4
Max. Tube Diameter (mm)	16
Tube Height (mm)	102

Rotors for FRONTIER™ FC5706P



Rotor Angle 18 × 1.5/2.0 ml

	Rotor Angle 18 × 1.5/2.0 ml		
	Item No.	83041499	
	Rotor Capacity	1.5 / 2.0 ml	
	Rotor Type	Angle, 45°	
	Permissible Net Weight	61 g	
	Lowest Temp. at max. speed	n/a	
Accessory Specifications	n/a		
Accessory Item No.	n/a	30130884	30130885
Accessory Type	n/a	Adapter	
Max. RPM	6,000		
Quantity in Package	n/a	6/pk	
Max. RCF	2,938 x g		
Tube Specifications			
Tube Type	Microtube		
Tube Volume	1.5/2.0 ml	0.2/0.4 ml	0.5 ml
Tubes per Rotor	18		
Max. Tube Diameter (mm)	11	6	8
Tube Height (mm)	40	18/45	30