



FRONTIER™ 5706P

Multi Centrifuges



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

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.

Features:

- Designed for ease of operation, Frontier 5706 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 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 rotor 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.

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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×g
- Speeds up to 6000 rpm and quick spin for short runs
- Additional fixed angle rotor (18×1.5/2.0 ml microtubes) and swing out rotor (4×10 ml blood tubes) for enhanced flexibility




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Specifications

| Model | | FC5706P |
|---|------------------------|--|
| Speed Range | | 200 – 6000 rpm; 10 rpm/set |
| Maximum RCF | | 4427 × 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 | | 2427 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 x 427 x 271 mm / 12.7 x 16.8 x 10.7 in |
| Net Weight (without rotor) | | 14.2 kg / 31.3 lb |
| Shipping Dimensions (W×D×H) | | 370 x 540 x 365 mm / 14.6 x 21.2 x 14.4 in |
| Shipping Weight (without rotor) | | 17.6 kg / 38.8 lb |
| Ambient conditions (EN/IEC 61010-1) | Environment | For indoor use only |
| | Altitude | Use up to an altitude of 2000 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. | | |


FRONTIER™ 5706P Multi Centrifuges

Accessories

| | | |
|---|-----------------|----------------------------|
|  | Order No. | 30130877 |
| | Description | Rotor Angle 12×15 ml RB/FA |
| | Included in Kit | 31012113 |
| | Max. Speed | 6000 rpm |
| | Max. RCF | 4427×g |

Accessories

| Order No. | Description | Vol./Tube | Diameter | Tube Type | No.of Tubes/ Rotor |
|-----------------|---|------------|----------|-----------------------------------|-----------------------|
| Without Adapter | Rotor Angle 12×15 ml RB/FA | 15 ml | 17 mm | Round Bottom/Conical Bottom | 12 |
| 30211180 | Adapter 1×6-10 ml D16 mm Vac/Sar, 2 pk | 6-10 ml | 16 mm | Vacutainer®/Sarstedt | 12 |
| 30130889 | Adapter 1×4-7 ml D13 mm Vac/Sar, 2 pk | 4-7 ml | 13 mm | Round Bottom/Vacutainer®/Sarstedt | 12 |
| 30130890 | Adapter 1×1.8-5 ml D13 mm Vac/Sar, 2 pk | 1.8-5 ml | 13 mm | Round Bottom/Vacutainer®/Sarstedt | 12 |
| 30130886 | Adapter 1×1.5/2.0 ml D11mm, 6 pk | 1.5/2.0 ml | 11 mm | Microtube | 12 |

| | | |
|---|-----------------|---------------------------|
|  | Order No. | 30130878 |
| | Description | Rotor Angle 6×50 ml RB/FA |
| | Included in Kit | 31012115 |
| | Max. Speed | 6000 rpm |
| | Max. RCF | 4427×g |

Accessories


| Order No. | Description | Vol./Tube | Diameter | Tube Type | No.of Tubes/ Rotor |
|-----------------|------------------------------------|-----------|----------|-----------------------------|-----------------------|
| Without Adapter | Rotor Angle 6×50 ml RB/FA | 50 ml | 29 mm | Round Bottom/Conical Bottom | 6 |
| 30130891 | Adapter 1×30 ml D26 mm, 2 pk | 30 ml | 26 mm | Round Bottom | 6 |
| 30130892 | Adapter 1×16 ml D18 mm, 2 pk | 16 ml | 18 mm | Round Bottom | 6 |
| 30130893 | Adapter 1×15 ml D17 mm, 2 pk | 15 ml | 17 mm | Round Bottom | 6 |
| 30130894 | Adapter 1×15 ml D17 mm RB/FA, 2 pk | 15 ml | 17 mm | Round Bottom/Conical Bottom | 6 |

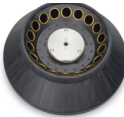
| | | |
|---|-------------|---------------------------|
|  | Order No. | 30130880 |
| | Description | Rotor Swing out 6×5 ml RB |
| | Max. Speed | 4000 rpm |
| | Max. RCF | 1878×g |

Accessories

| Order No. | Description | Vol./Tube | Diameter | Tube Type | No.of Tubes/ Rotor |
|-----------|-----------------------------|-----------|----------|-----------------------------------|-----------------------|
| 30130895 | Buckets For 30130880, 2 pk* | 5 ml | 13 mm | Round Bottom/Vacutainer®/Sarstedt | 6 |

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|  | Order No. | 31013397 | | | |
|---|---|---------------------------|----------|-------------------------------------|------------------------|
| | Description | Rotor Swing Out 4 × 10 ml | | | |
| | Included in Kit | 31012114 | | | |
| | Max. Speed | 4200 rpm | | | |
| | Max. RCF | 2406 × g | | | |
| Accessories | | | | | |
| Order No. | Description | Vol./Tube | Diameter | Tube Type | No. of Tubes/ Rotor |
| 31021231 | Rack 1 × 1.8-10 ml D16 mm Vac/Sar, 4 pk** | 1.8-10 ml | 16 mm | Round Bottom/ Vacutainer®/ Sarstedt | 4 |

|  | Order No. | 83041499 | | | |
|---|------------------------------------|-----------------------------|----------|-----------|------------------------|
| | Description | Rotor Angle 18 × 1.5/2.0 ml | | | |
| | Max. Speed | 6000 rpm | | | |
| | Max. RCF | 2938 × g | | | |
| Accessories | | | | | |
| Order No. | Description | Vol./Tube | Diameter | Tube type | No. of tubes/ rotor |
| Without Adapter | Rotor Angle 18 × 1.5/2.0 ml | 1.5/2.0 ml | 11 mm | Microtube | 18 |
| 30130884 | Adapter 1 × 0.2/0.4 ml D6 mm, 6 pk | 0.2/0.4 ml | 6 mm | Microtube | 18 |
| 30130885 | Adapter 1 × 0.5 ml D8 mm, 6 pk | 0.5 ml | 8 mm | Microtube | 18 |

*Buckets included

**Racks included

Shortcut list:

Vac – Vacutainer® Sar – Sarstedt FA – Conical bottom / Falcon® FB – Flat bottom RB – Round bottom

FRONTIER™ 5706P *Multi Centrifuges*

Other Standard Features and Equipment

Microprocessor control, Imbalance switch-off, Audible signal at the end of each run with melody options, Emergency release, 99 memory sets, Ten acceleration and ten deceleration rates, Pre-selection of running time from 10 sec to 99 hr 59 min or continuous, Quick spin for short runs.

Compliance

See Declaration of Conformity available CE Declarations | OHAUS

Outline Dimensions

