**OHAUS**

## *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.

### *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 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 ($4 \times 10$ ml blood tubes) for enhanced flexibility

# FRONTIER™ 5706P *Multi Centrifuges*

## Specifications

| Model | FC5706P |
|---|---|
| **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.** | |

## Accessories

| Order No. | 30130877 |
|---|---|
| **Description** | Rotor Angle 12 × 15 ml RB/FA |
| **Included in Kit** | 31012113 |
| **Max. Speed** | 6 000 rpm |
| **Max. RCF** | 4 427 × 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®/Sarsted | 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 |

## Accessories

| Order No. | 30130878 |
|---|---|
| Description | Rotor Angle 6×50 ml RB/FA |
| Included in Kit | 31012115 |
| Max. Speed | 6 000 rpm |
| Max. RCF | 4 427×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 | 4 000 rpm |
| Max. RCF | 1 878×g |

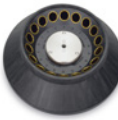| Accessories | | | | | |
|---|---|---|---|---|---|
| Order No. | Description | Vol./Tube | Diameter | Tube Type | No.of Tubes/Rotor |
| 30130895 | Buckets For 30130880, 2 pk* | 5 ml | 13 mm | Round Bottom/Vacutainer®/Sarstedt | 6 |

| Order No. | 31013397 |
|---|---|
| Description | Rotor Swing Out 4×10 ml |
| Included in Kit | 31012114 |
| Max. Speed | 4 200 rpm |
| Max. RCF | 2 406×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 | 6 000 rpm |
| Max. RCF | 2 938×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
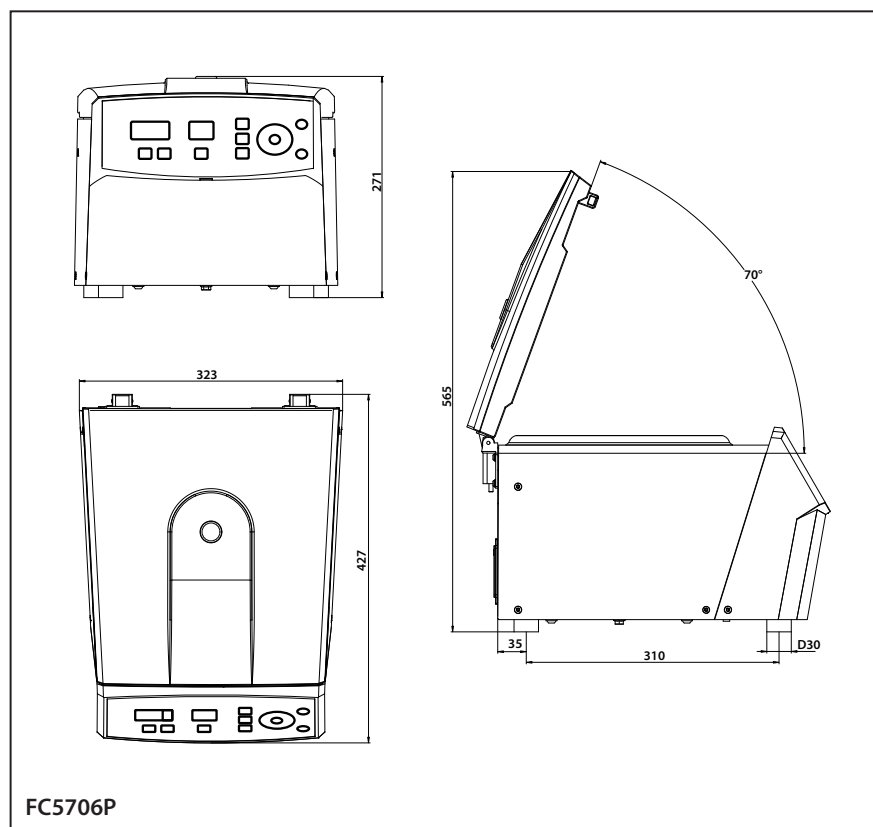
# FRONTIER™ 5706P *Multi Centrifuges*

## 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



FC5706P

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for the web