



DragLab

Laboratory

CENTRIFUGE

CENTRIFUGE DF 12 – Digital Display

Connect & Go

DragLab

DF 12

General Laboratory
CENTRIFUGE

CENTRIFUGE DF 12 – Digital Display

DragLab DF 12 centrifuge is an efficient, digitally controlled laboratory device designed for a wide range of clinical, medical, and research applications. It features quiet operation, safety mechanisms, and precision performance, ideal for handling blood samples, biochemical studies, IVF processes, and more.

Accurate, Quiet, and Powerful – Meet the DragLab DF 12



DragLab DF 12 General Purpose Laboratory Centrifuge is a reliable and efficient device designed for clinical, medical, and research applications. It features a digital control system with programmable speed (up to 6000 RPM), RCF (up to $4830 \times g$), and timer settings, ensuring precise and consistent results. The fixed-angle rotor holds 12×15 ml tubes, making it suitable for blood separation, biochemical analysis, and other routine tasks. With quiet operation (≤ 60 dB), a maintenance-free brushless DC motor, and built-in safety features like lid lock and overheat protection, the DF 12 combines performance with user safety. Its compact, durable construction and intuitive LCD interface make it a dependable choice for any laboratory environment.

Application:

- Clinical and diagnostic laboratories for blood and urine sample separation
- Research and academic institutions for cell pelleting and molecular biology workflows
- IVF and fertility centers for processing biological samples with precision and care
- Program-controlled centrifugation for reproducible and time-efficient laboratory workflows
- Environmental and food testing labs for contaminant separation and quality checks
- Routine sample preparation across medical, industrial, and research applications
- Safe, contamination-free centrifugation for sensitive and regulated laboratory work
- Biotechnology and pharmaceutical labs for protein, DNA, and RNA extraction

CENTRIFUGE DF 12 – Digital Display

A vertical bar representing the German flag, with black, red, and gold horizontal stripes.

Quality and Expertise



DragLab is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that laboratory equipment manufactured by DragLab consistently meets the highest standards of quality and reliability.

DragLab Laboratory Devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragLab products, which comply with current European standards and bear the CE mark.



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Features:

Display :

LCD/Digital display showing speed, time, and RCF .

Control System :

Digital control panel with programmable speed, RCF, Pulse mode, Acceleration/Deceleration and timer settings .

Operation Modes :

Adjustable RPM (500–6000) and RCF (up to $4830 \times g$) in 10 RPM steps

Timer :

Adjustable from 1–99 minutes in 1 minute steps .

Rotor Capacity :

12 × 15 ml tubes with fixed-angle rotor .

Rotor Lock :

Quick-release system for easy rotor changes .

Controllable Ramp rate:

Acceleration / Deceleration Rates customizable to ensure protecting sensitive samples or speed up operations.

Noise Level :

≤ 60 dB for **quiet operation** .

Motor :

Brushless DC motor for long-term durability and minimal maintenance .

Construction :

Steel outer casing with stoved enamel paint and polycarbonate rotor .

Safety Features:

Lid Lock Mechanism, Emergency Stop, Auto shut-off for overheating, CE compliant, IP20 protection.

Warranty :

2 year warranty worldwide .



CENTRIFUGE DF 12 – Digital Display

Specifications:

Technical Specifications

| | |
|----------------------------|--|
| Operation Mode | Digital control with programmable settings |
| Display | LCD / Digital screen |
| Max Speed | 6000 RPM |
| Max RCF | 4830 × g |
| Acceleration/Decel. | Controllable for smooth operation |
| Rotor Type | Fixed-angle rotor |
| Rotor Capacity | 12 × 15 ml |
| Max Rotor Load | 180 g |
| Noise Level | ≤ 60 dB |

Control technology

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|---------------------------------|--|
| Language setting | English |
| Control | Programmable digital control |
| Display | LCD Digital Display for speed, time, and alerts |
| Buttons | Start, Stop, Speed/Time Adjustment, Program, Pulse |
| Speed Rang | 500 – 6000 RPM (RCF) |
| Speed Control | In RPM or RCF, 10 RPM Steps |
| Speed Monitoring | External Speed Readings |
| Continuous Mode | Available Continuous running mode |
| Pulse Mode | Controllable Pulse with dedicated button for working short periods |
| Timer | Digital backward counter to target time setting |
| Timer Control | 1 – 99 minutes in 1 minute steps |
| Delayed Timer Technology | Starts when set speed achieved |
| Ramp Up/Down Rate | Controllable Acceleration / Deceleration. Preprogrammed for smooth transitions |
| Indicators | Power, Lid Lock, End-of-cycle |

Standard equipment

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|-----------------------------|--|
| Motor Type | Maintenance Free Brushless DC |
| Rotor | Fixed Angle rotor Vertical 35° |
| Rotor Capacity | 12 x 15 ml |
| Rotor Material | Polycarbonate |
| Outer Casing | Powder-coated steel with stoved enamel paint + ABS |
| Tube Socket Material | ABS (Rigid Plastic) |
| Lid Lock | Lid Lock Mechanism for Safety |
| Sealing | Integrated Rubber Gasket |
| Overall Dimensions | 290 x 380 x 280 mm |
| Net Weight | 16 Kg |

CENTRIFUGE DF 12 – Digital Display

Specifications:

Safety and Compliance

| | |
|----------------------------|---|
| Lid Lock | Prevents opening while in operation / prevents operation while open |
| Rotor Lock | Quick-release system |
| Emergency Stop | Dedicated STOP button |
| Overheat Protection | Auto shut-off for motor safety |
| Compliance | CE Mark, IP20, IEC 61010-1 |

Working conditions

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|-----------------------------|---|
| Installation | <p>The surface on which the device will be installed must be flat and solid</p> <p>The four feet of the device equipped with a suction cup should sit balanced on the surface and should not move.</p> <p>The distance between the wall and the rear of the appliance must be at least 15 cm</p> <p>The sides distance must be not less than 15 cm.</p> |
| Operating Temp. | 10 °C – 40 °C |
| Humidity (operation) | 30% – 75% RH (non-condensing) |
| Air Pressure | 700 – 1060 hPa |
| Storage Temp. | 10 °C – 40 °C (ventilated, corrosion-free) |

Electrical data

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|--------------------------|------------------------|
| Voltage | AC 190–240 V, 50/60 Hz |
| Power Consumption | 1500 watt |
| Fuse | 6 Amps |
| Electrical Safety | IEC 61010-1 |

Accessories

| | |
|-----------------------------|--|
| Standard Accessories | <p>Power cord</p> <p>User Manual</p> <p>Spare Fuse (6 A)</p> <p>Rotor (12 × 15 ml) already installed</p> |
|-----------------------------|--|

Shipping information

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|--|---|
| Customs tariff number | HS Code 84211920 - laboratory centrifuges |
| Dimensions approx. incl. carton | 430 (W) X 370(D) X 300 (H) mm |
| Net weight | 7 KG |
| Gross weight carton | 8 KG |

Order Information:

* Other voltages available on request

| Description | Model | Article number |
|--|-------|----------------|
| Centrifuge 12 × 15 ml - Digital display - Max 6000 RPM - 230 V, 50/60 Hz | DF 12 | 4012.015 |