



Valuable innovations designed for you.



AWEL, a new French brand of centrifuge, is positioned today as **the alternative** for your laboratories in research, clinical and transfusion applications.

Their design, targeted towards **ergonomics**, is a reference in safety and convenience. The technical **innovations** optimize productivity in your laboratory work.





A NEW BRAND... WITH A LONG ESTABLISHED PEDIGREE

AWEL innovations are the fruit of 25 years of experience in the design and manufacturing of laboratory centrifuges. The new Awel centrifuges incorporate a know-how proven by the numerous patents on the devices responding to your expectations.

ERGONOMICS:

- Optimized working height for easy access to samples
- AWELock: Rapid exchange of accessories without using tools
- AWELight: An illuminated handle indicates the run end

PRODUCTIVITY:

- Motorized lid opening on all models
- Smooth integration into the laboratory procedures
- 10 programs in memory for immediate use
- AWELine: Detection of levelling, increases the life of the accessories and the machine

SERVICES:

- Hotline to ensure that you get the best out of your AWEL centrifuge
- Rapid diagnostics for maximum uptime
- Reliability built in to the design
- IQ/OQ Documentation

CONTINUOUS EVOLUTION SINCE THE 1920's

AWEL centrifuges, the latest in an evolutionary line, inherit French know-how.



At the heart of our objectives is the manufacturing of machines respecting the environment. Durable development is built in to our procedures, from conception to recycling, and is respected by all concerned in the production of our centrifuges.

• Reduced consumption:

- Awel centrifuges consume less energy than equivalent instruments in their category.
- Automatic standby function between two centrifugation runs.

• Respect for the planet:

- Every component can be recycled in the relevant department within our factories.

VALUABLE INNOVATIONS DESIGNED FOR YOU

The development program of the Awel centrifuges is underlined by 4 patents registered in 2009.

AWElock

Rotor exchange without tools

The centrifuges are immediately operational with the patented system of rapid exchange of rotating accessories without using tools.



Swing-out Rotor



Angle Rotors



Microplate Rotor

AWElight

End of run indication

The illuminated handle lights up to indicate the possibility of unloading the tubes, optimizing the frequency of centrifugation runs and quality of the analyses.



... in operation

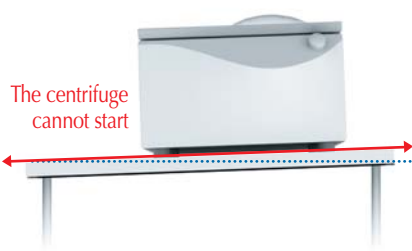


... at rest

AWEline

Level detection for safety

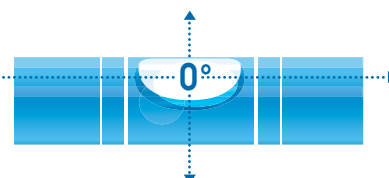
For your safety, the centrifuge automatically detects an error in horizontal leveling, a source of imbalance and premature wear of the motor and rotors.



The centrifuge cannot start



The centrifuge can start

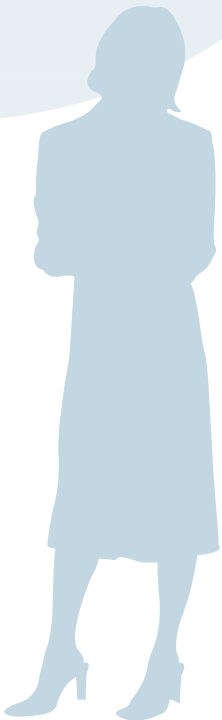


PERFECT INTEGRATION INTO YOUR LABORATORY

Awel centrifuges place the samples at a **convenient working height**, whatever the chosen configuration. Placed on the bench, the Awel centrifuges offer the advantage of **perfect visibility** when loading or unloading samples, because of their **reduced height**.



Specially designed lab furniture places the centrifuges at laboratory bench height for **easier and faster sample transfer** from the centrifuge bowl to the workspace. The optional shelf provides an **additional work surface**.



SERVICES & METROLOGY



Awel centrifuges are designed for on-site installation and validation according to official recommendations. They incorporate all the devices required to facilitate metrology by an independent, accredited organization (COFRAC / ACLASS / EA / ILAC) for a guarantee and documentation of the maintenance of temperature and speed.



Awel centrifuges:

- Facilitate audits and accreditation of your laboratory
- Respond to the requirements of various standards (cGMP, GLP, GBEA...)
- Prove and document the quality of your centrifugation runs



LOW SPEED CENTRIFUGES

C 12

C 20 · C 20-R

C 48 · C 48-R

Operational immediately

An excellent capacity/space ratio; these 5 centrifuges of the Clinical range easily find their place in your laboratory for intensive, routine use.



C 20
4x180ml

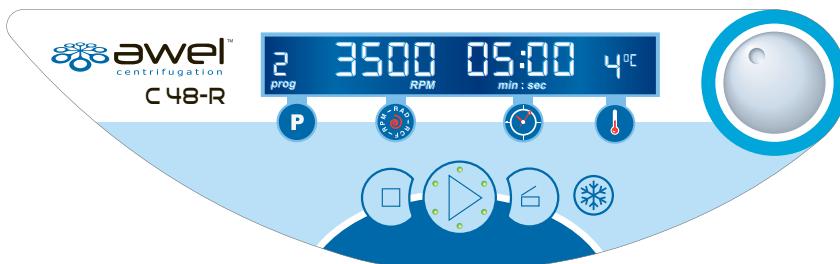
SPEED
max. 4400 RPM
CAPACITY
20 x 5-7ml sample tubes
ACCESSORIES
Swing-out rotor, 32 x 15ml angle rotor



C 48-R
Refrigerated - 4x250ml

SPEED
max. 4400 RPM
CAPACITY
48 x 5-7ml sample tubes
ACCESSORIES
Swing-out rotor,
32 x 15ml angle rotor

- . Motorized lid opening
- . 10 program memory



MULTIFUNCTION CENTRIFUGES

MF 20 · MF 20-R
MF 48 · MF 48-R

Versatility for all your applications.

The MF series includes 4 multifunction centrifuges and offers a variety of speeds and separations that adapt to all types of application.

A large choice of accessories, combined with the AWELock system, respond to the different needs and centrifugation protocols of your laboratory.



MF 20
MULTIFUNCTION - 4x180ml

SPEED
4400 to 15000 RPM
CAPACITY
20 x 5-7ml sample tubes
32 x 1.5 ml microtubes
ACCESSORIES
Swing-out rotor, angle rotors,
microplate rotor












MF 48-R
MULTIFUNCTION Refrigerated - 4x250ml

SPEED
4400 to 15000 RPM
CAPACITY
48 x 5-7ml sample tubes
32 x 1.5 ml microtubes
ACCESSORIES
Swing-out rotor, angle rotors,
microplate rotor

- . Motorized lid opening
- . Programmation : 10 program memory
10 acceleration and braking rate



A COMPLETE RANGE OF ACCESSORIES

Rotor	C 12	C 20 /-R	C 48 /-R	MF 20 /-R AWELock System®	MF 48 /-R AWELock System®
 SWING-OUT ROTOR	4 x 85 ml	4 x 180 ml	4 x 250 ml	4 x 180 ml	4 x 250 ml
 5-7 ml sample tubes	12 tubes	20 tubes	48 tubes	20 tubes	48 tubes
 15 ml conical tubes	8 tubes	12 tubes	24 tubes	12 tubes	24 tubes
 50 ml conical tubes	4 tubes	4 tubes	12 tubes	4 tubes	12 tubes
 ANGLE ROTOR	32 x 15 ml	32 x 15 ml	32 x 15 ml	32 x 15 ml	32 x 15 ml
 ANGLE ROTOR				24 x 1.5-2 ml or 32 x 1.5-2 ml	24 x 1.5-2 ml or 32 x 1.5-2 ml
 ANGLE ROTOR				10 x 10 ml	10 x 10 ml
 ANGLE ROTOR				8 x 50 ml	8 x 50 ml
 MICROPLATE ROTOR		6 microplates	6 microplates	6 microplates	6 microplates

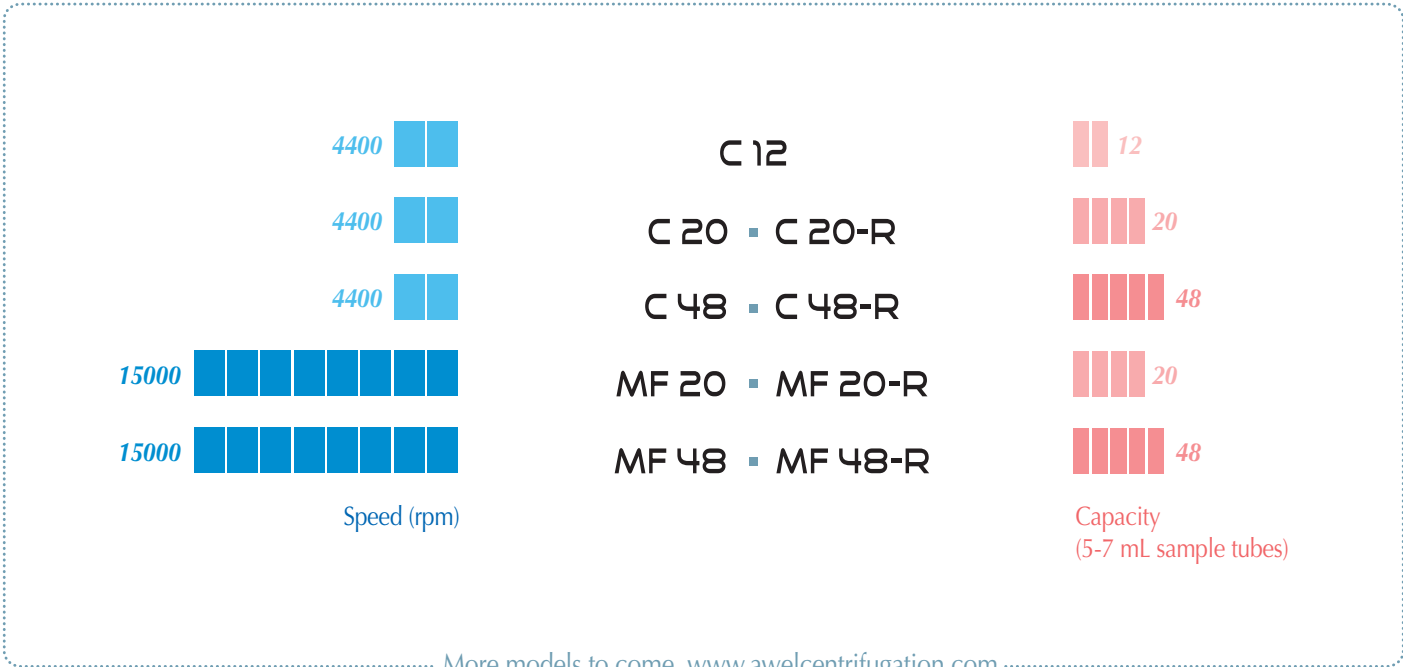


BIOLOGICAL SAFETY

The sealed accessories provide aerosol containment to ensure the safety of the operator and the environment in the case of a tube breakage.



A COMPLETE RANGE OF LABORATORY CENTRIFUGES



BMS International benefits from the assistance of Oséo Innovation for its development program of a range of innovative laboratory centrifuges.



AWEL Centrifugation is one of the core businesses of BMS International, actively promoted throughout the world.



12 route de la Frelaudais - BP 34
 F-44130 BLAIN - France
 Tel. +33 (0)2 40 51 79 53
 Fax +33 (0)2 40 79 19 58
www.bmsinternational.com

YOUR AWEL PARTNER

