

PrO-ASTM Centrifuges

Oil testing. Petroleum testing, ASTM methods



ASTM Analysis

The following Centrifuges are ALL heated types from Ambient to 90°C

Centurion Scientific Ltd, (Manufacturers of Centrifuges for 27 years) are offering a range unsurpassed in the market place, derived from our vast range of Centrifuges and knowledge.

Choice Available to all models

Basic LED with button selection.

PREMIUM 155 mm LCD touch screen format

True Flexibility

Bench with Trolley, saving precious bench space, yet it can fit under the Bench.

Floor standing combined unit, mobility in your Laboratory, can be used on any level sturdy surface, move anywhere, (lockable castors) or under the Bench too.

Methodologies

ASTM D1290, ASTM D1796, ASTM D1966, ASTM D2273, ASTM D2709, ASTM D2711, ASTM D4007, ASTM D5546, ASTM D893, ASTM D91, ASTM D96

FTM 791, Methods 3000, 3003, 3004,, 3101, 3121,5661.

API 2542, 2548

ISO 3734, ISO 9030 DIN 51793 NF M 07-020

Safety

Imbalance detector, lid closure, overheat sensor, overspeed detector.

Barrier ring and safety exhaust area.

ASTM Bench Centrifuge or ASTM Bench Centrifuge with Trolley

True Flexibility

User features to Trolley Standing Centrifuge	Advantages
Floor standing Yet under bench fit, only 71cm high	Saves precious bench space. Flexible area use
Gives an easy loading height	Ease of Ergonomics For tube loading
Secure locking castors	Portable, easily moved around for safety
Strong design, with safe retention lip	Gives safe & quiet use

Available for both LED and LCD models





CE marked and ISO 9001 regulated
and now IVD certified too

PrO-ASTM Centrifuges

Welcome to our latest range, we trust you will find the following pages informative. With time comes experience and in our 27 years we have learnt that development is an ongoing sequence, that is led by materials and analytical changes in

the world. To this end, our development has improved user use, sample integrity, and access.

By working with all our suppliers, our reliability has been retained and improved to give all our range a 3 year warranty as standard.

User features to PrO-ASTM	Advantages
Large LCD display with touch screen control	Clarity & ease of use
Rotor Recognition	Safe selection of rotors
10 Accelerations rates, 10 deceleration rates	Sample assistance
108 program memory (12 pages of 9)	Multi department & users
Timer 0-9999 minutes & hold in 30 second increments	Total flexibility
Pulse short run	Fast pelleting
Run in speed (rpm) or rcf (G) in 10 rpm increments	Accuracy
Sound <60db (rotor dependent)	Quiet
Orientation acceleration rate	Prevents initial sample side deposits
Standard to PrO-ASTM	Advantages
Extra thick stainless steel bowl	Easy clean & rust free
Port to Lid	Tachometer speed certification
Alloy & steel frame (zinc coated)	Strong light & quiet
World leading industrial grade inverter	Reliability & strength
Best quality European brushless motor	Quiet, cool & reliable
High technology airflow (ambient mode)	Cooler running
All centrifuges have user accessible service sections to access all safety parameters	
Safety features to PrO-ASTM	Advantages
Multi point lid locking	Lid safety
Emergency lid release	Power failure release
Lid Spring Strut	Lid dropping safety
Lid lock detection	To run, lid must be shut
Imbalance detection	Eradicates user loading errors
Overspeed sensor	Safe detection of speed
Set inverter values	Electronic safety of speed
Barrier ring	Extra metal protection of chamber
Motor overheat sensor Safe motor protection	

Centurion Scientific Ltd Centrifuges comply to all relevant EU standards of Quality and medical Devices IEC 61010 and CE conformity test marks Emission, immunity to EN/IEC 61326-1, Class B

PrO-ASTM BC
(230V.50/60Hz)

1.PrO-ASTM BC
(110V 60Hz)

Bench Model

Speed	500-4,000 Rpm (1 Rpm steps)
Rcf Max	3,800 G
Timer	0-9,999 Mins & Hold (1 sec steps)
Dimensions	HWD 375 x 630 x 630mm
Weight	70 Kg (without rotor)
Power	900 Watts
Memory	108 programs
Accel rates	10 programs
Decel rates	10 programs
Temp	Ambient - 90°C
PID Controlled to + / - 1°C (40 - 90)	



Display indicative only

Bench with trolley

- Trolley available
- Part number: XMFS
- Total height 71 Cm



Display indicative only

ASTM Swing out rotor, buckets & accessories



Tube Length Max	205mm
Minimum Speed	500 Rpm
Maximum Speed	4000 Rpm
Radius Max	21.5cm
Tube Angle	0 degree
Accel/Decel Time	45 Seconds approx.

BRK3020 Swing out rotor

Shown with B2020 Buckets
(Required) Set 4

Adaptors and rubber support required
as per tube requirement.



Adaptor Polypropylene

ASTM58-1 Pack of 4
One tube per adaptor total 4



Rubber support

RS58 Pack of 4



Tube style:
Pear
Max dims:
58 x 158mm



Adaptor Polypropylene

ASTM37-1 Pack of 4
One tube per adaptor total 4



Rubber support

RS37 Pack of 4



Tube style:
Long
Max dims:
37 x 203mm



Adaptor Polypropylene

ASTM44-1 Pack of 4
One tube per adaptor total 4
ASTM44-2 Pack of 4
Two tubes per adaptor total 8



Rubber support

RS44 Pack of 4



Tube style:
Short
Max dims:
44 x 166mm

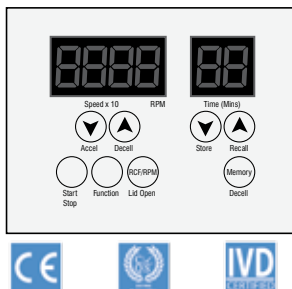
Other tubes available. Please call.

ASTM Bench Centrifuge or ASTM Bench Centrifuge with Trolley

True Flexibility

User features to Floor Standing Centrifuge	Advantages
Floor standing Yet under bench fit, only 71cm high	Saves precious bench space. Flexible area use
Gives an easy loading height	Ease of Ergonomics For tube and rotor variances
Secure locking castors	Portable, easily moved around for safety
Strong design, with safe retention lip	Gives safe & quiet use





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User features to PrO-ASTM series	Advantages
Bright blue LED display	Clarity & ease of use
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All centrifuges have user accessible service sections to access all safety parameters	

Safety features to PrO-ASTM series	Advantages
Multi point lid locking	Lid safety
Emergency lid release	Power failure release
Lid Spring	Strut Lid dropping safety
Lid lock detection	To run, lid must be shut
Imbalance detection	Eradicates user loading errors
Overspeed sensor	Safe detection of speed
Set inverter values	Electronic safety of speed
Barrier ring	Extra metal protection

Centurion Scientific Ltd Centrifuges comply to all relevant EU standards of quality and medical devices IEC

61010 and CE conformity test marks emission, immunity to EN/IEC 61326-1, Class B

PrO-ASTM BE

(230V 50/60Hz)

1.PrO-ASTM BE

(110V 60Hz)

Bench Model

Speed	500-4,000 Rpm (10 Rpm steps)
Rcf Max	3,800 G
Timer	0-99 Mins & Hold (30 sec steps)
Dimensions	HWD 375 x 630 x 630mm
Weight	70 Kg (without rotor)
Power	900 Watts
Memory	10 programs
Accel rates	10 programs
Decel rates	10 programs
Temp	Ambient - 90°C
PID Controlled to + / - 1°C (40 - 90)	



Display indicative only

Bench with trolley

- Trolley available
- Part number: XMFS
- Total height 71 Cm



Display indicative only

ASTM Swing out rotor, buckets & accessories



Tube Length Max	205mm
Minimum Speed	500 Rpm
Maximum Speed	4000 Rpm
Radius Max	21.5cm
Tube Angle	0 degree
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BRK3020 Swing out rotor

Shown with B2020 Buckets
(Required) Set 4

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Rubber support

RS58 Pack of 4



Tube style:
Pear
Max dims:
58 x 158mm



Adaptor Polypropylene

ASTM37-1 Pack of 4
One tube per adaptor total 4



Rubber support

RS37 Pack of 4



Tube style:
Long
Max dims:
37 x 203mm



Adaptor Polypropylene

ASTM44-1 Pack of 4
One tube per adaptor total 4
ASTM44-2 Pack of 4
Two tubes per adaptor total 8



Rubber support

RS44 Pack of 4



Tube style:
Short
Max dims:
44 x 166mm

Other tubes available. Please call.

Floor Standing Centrifuge

True Flexibility

User features to Floor Standing Centrifuge	Advantages
Floor standing Yet under bench fit, only 71cm high	Saves precious bench space, Flexible area use
Smaller footprint than Bench model	Space saving
Gives an easy loading height	Ease of Ergonomics For tube and rotor loading
Secure locking castors	Portable, easily moved around for safety

Available in both LCD and LED models





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Barrier ring	Extra metal protection of chamber
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PrO-ASTM FSC
(230V 50/60Hz)

1.PrO-ASTM FSC
(110V 60Hz)



Speed	500-4,000 Rpm (1 Rpm steps)
Timer	0-9,999 Mins & Hold (1 sec steps)
Dimensions	HWD 710 x 630 x 630mm
Weight	82 Kg (without rotor)
Power	900 Watts
Memory	108 programs
Accel rates	10 programs
Decel rates	10 programs
Temp	Ambient - 90°C
PID Controlled to + / - 1°C	(40 - 90)

ASTM Swing out rotor, buckets & accessories



Tube Length Max	205mm
Minimum Speed	500 Rpm
Maximum Speed	4000 Rpm
Radius Max	21.5cm
Tube Angle	0 degree
Accel/Decel Time	45 Seconds approx.

BRK3020 Swing out rotor

Shown with B2020 Buckets
(Required) Set 4

Adaptors and rubber support required
as per tube requirement.



Adaptor Polypropylene

ASTM58-1 Pack of 4
One tube per adaptor total 4



Rubber support

RS58 Pack of 4



Tube style:
Pear
Max dims:
58 x 158mm



Adaptor Polypropylene

ASTM37-1 Pack of 4
One tube per adaptor total 4



Rubber support

RS37 Pack of 4



Tube style:
Long
Max dims:
37 x 203mm



Adaptor Polypropylene

ASTM44-1 Pack of 4
One tube per adaptor total 4
ASTM44-2 Pack of 4
Two tubes per adaptor total 8



Rubber support

RS44 Pack of 4



Tube style:
Short
Max dims:
44 x 166mm

Other tubes available. Please call.

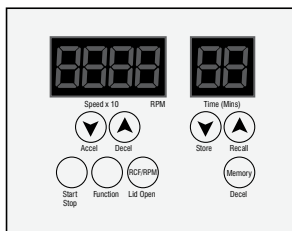
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True Flexibility

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User features to Pro-ASTM series	Advantages
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Standard to Pro-ASTM series	Advantages
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Barrier ring	Extra metal protection

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PrO-ASTM FSE

230V 50/60Hz)

1.PrO-ASTM FSE

(110V 60Hz)



Speed	500-4,000 Rpm (10 Rpm steps)
Timer	0-99 Mins & Hold (30 sec steps)
Dimensions	HWD 710 x 630 x 630mm
Weight	82 Kg (without rotor)
Power	900 Watts
Memory	10 programs
Accel rates	10 programs
Decel rates	10 programs
Temp	Ambient - 90°C
PID Controlled to + / - 1°C (40 - 90)	

ASTM Swing out rotor, buckets & accessories



Tube Length Max	205mm
Minimum Speed	500 Rpm
Maximum Speed	4000 Rpm
Radius Max	21.5cm
Tube Angle	0 degree
Accel/Decel Time	45 Seconds approx.

BRK3020 Swing out rotor

Shown with B2020 Buckets
(Required) Set 4

Adaptors and rubber support required
as per tube requirement.



Adaptor Polypropylene

ASTM58-1 Pack of 4
One tube per adaptor total 4



Rubber support RS58 Pack of 4



Tube style:
Pear
Max dims:
58 x 158mm



Adaptor Polypropylene

ASTM37-1 Pack of 4
One tube per adaptor total 4



Rubber support RS37 Pack of 4



Tube style:
Long
Max dims:
37 x 203mm



Adaptor Polypropylene

ASTM44-1 Pack of 4
One tube per adaptor total 4
ASTM44-2 Pack of 4
Two tubes per adaptor total 8



Rubber support RS44 Pack of 4



Tube style:
Short
Max dims:
44 x 166mm

Other tubes available. Please call.