

*Now
with
brushless
motor!*

SORVALL®

SORVALL® RC-3C Plus and RC-3B Plus.
Set the standard for reproducible, reliable performance.



SORVALL® RC-3C Plus and RC-3B Plus lowspeed, refrigerated centrifuges offer the highest level of reproducibility and reliability.

SORVALL® centrifuges have been an industry standard for quality and reliability for over 50 years. Whether at work in a clinical laboratory, a blood bank, a university or an industrial setting, SORVALL® lowspeed centrifuges can be relied upon to deliver safe, reproducible and trouble-free results for many years. RC-3C Plus and RC-3B Plus lowspeed centrifuges feature large capacity and quiet, low-heat operation made possible by time-tested drive and refrigeration systems. And like all SORVALL® centrifuge products, they come with many built-in safety and environmental features, including SUVA® CFC-free refrigerants. SUVA® CFC-free refrigerants provide equivalent and efficient cooling while helping to preserve the environment.

Proven Reliability

1 Unsurpassed Reliability– Industry-Wide

You can depend on the RC-3C Plus and RC-3B Plus to keep productivity high. Their well-deserved reputations for reliability are based on a lower breakdown and service call rate than any other lowspeed centrifuge on the market.

1 Quiet, Low- Heat Operation

In both models, noise levels are less than 58 decibels – lower than a normal conversation, which is measured at 60 dB. Noise levels have been reduced while refrigerations efficiency has been increased.

1 Automatic Rate Control

Automatic Rate Control improves the resolution and yield of separations by ensuring smooth starts and soft stops, preserving density gradients and minimizing pellet resuspension. Automatic rate control is a standard feature on the RC-3C Plus.

1 Most Imbalance- Tolerant Drive in the Industry

Both the RC-3C Plus and RC-3B Plus have a powerful 2.5 HP direct drive utilizing the SORVALL® GyroAction self-centering drive system, which is imbalance tolerant up to 50 grams.

1 Lower Maintenance– Brushless Motor

The RC-3C Plus and RC-3B Plus now have brushless motors providing increased uptime by eliminating the need to change brushes.

Enhanced Reproducibility

1 Advanced Microprocessor Control

The RC-3C Plus uses advanced microprocessors to control speeds of centrifugation, time of run, and temperature of run—all within precise limits.

1 Programmable Operations

To help insure reproducibility, operations on the RC-3C Plus are programmable. You can store 10 distinct programs, which can be recalled with a single button.

1 Automated RCF Determination

Automated RCF Determination improves accuracy and eases method and protocol transfer for laboratories using the RC-3C Plus.

1 Built-In ω^2dt Integrator

The RC-3C Plus has a built-in ω^2dt Integrator which calculates the cumulative centrifugal force to enhance the reproducibility of separations.





The SORVALL® Advantage

All SORVALL® brand centrifugation products are part of a coordinated system of products and services designed to provide your facility with the quality equipment and support. From sales to applications assistance to on-time, in-field service and continuous product improvements, the SORVALL® Advantage has made Kendro Laboratory Products a better choice for centrifugation needs worldwide

Outstanding Versatility

1 Rotor and Adapter Compatibility

You can choose from twelve rotors and a full line of adaptors, tubes, and bottles. Choices include five low-speed swinging-bucket rotors, one RIA-rack rotor, one lowspeed fixed-angle biocontainment rotor, and four fixed-angle and one swinging-bucket superspeed rotor.

1 Widest Range of Rotors and Adapters in the Industry

Both the RC-3C Plus and RC-3B Plus accept a wide range of rotors and adapters. These multiple, mix and match configurations let you spin tubes as small as 1.5 mL or process bottles as large as 1,000 mL. They will also accept a wide variety of blood bag configurations including doubles, triples, quads and quints.

1 Biohazard Protection

SORVALL® products are unmatched in biohazard protection. A full line of SORVALL® lowspeed rotors has been designed specifically for maximum biosafety containment protection from infectious, radioactive and other hazardous materials in the event of tube failure. SORVALL® rotors are independently tested for biocontainment by the Centre for Applied Microbiology and Research, Biosafety Testing Section, Porton Down, U.K.

1 Excellent Service Support

Our team of skilled, factory-trained Field Service Engineers keep your SORVALL® centrifuges in top condition using only original, factory-manufactured parts. A wide range of service agreements are available for every budget. Help is available 24 hours a day in many locations.

1 Applications Lab Support

From blood components to viruses to whole cell separations for research or clinical use, our full-time staff of specialists are available to answer questions and help optimize protocols. In addition, new updated application materials are provided to all SORVALL® users.

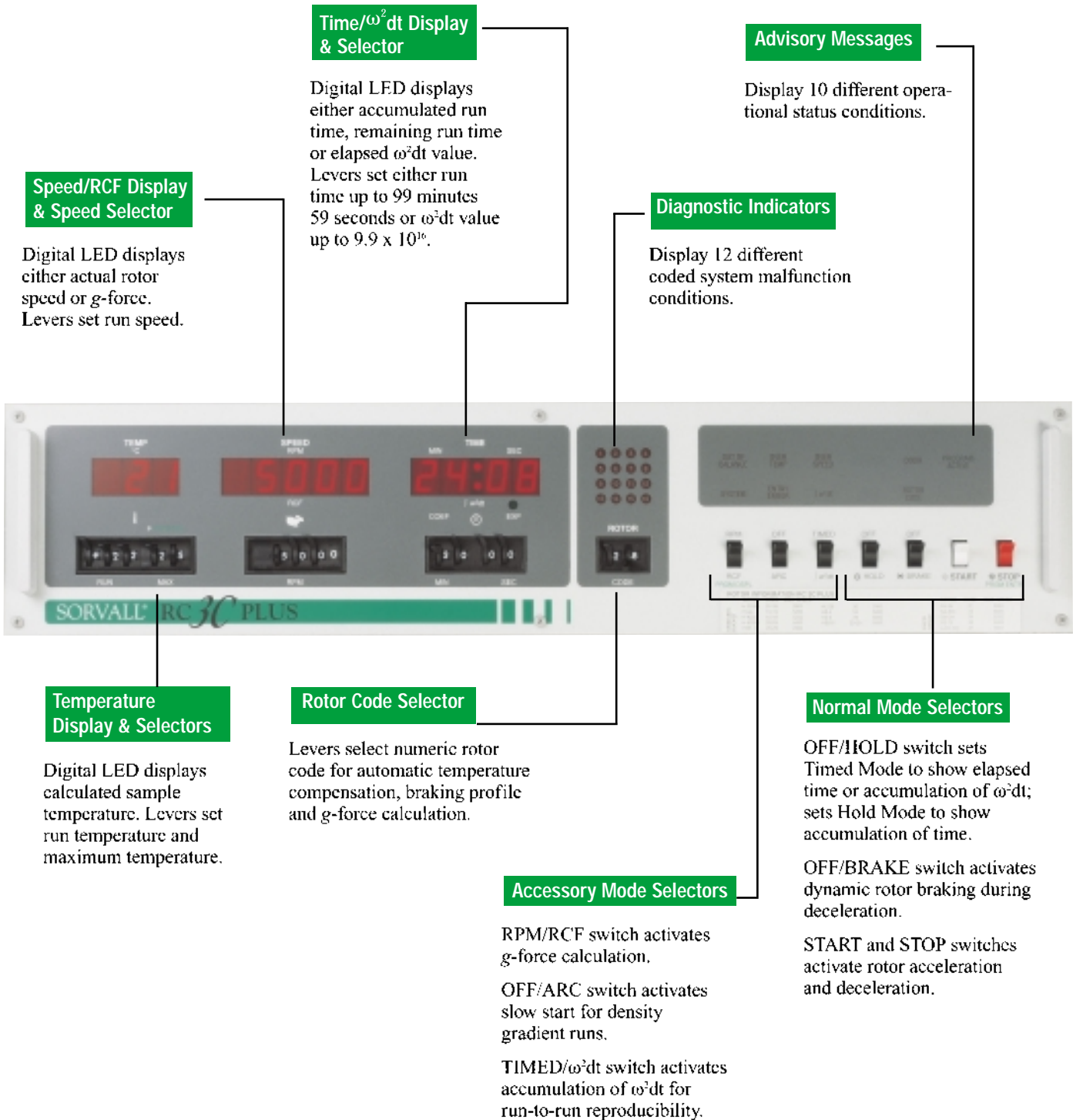
1 ISO 9000 Registered

SORVALL® brand products are designed, manufactured and serviced under an ISO 9001 registered quality system.



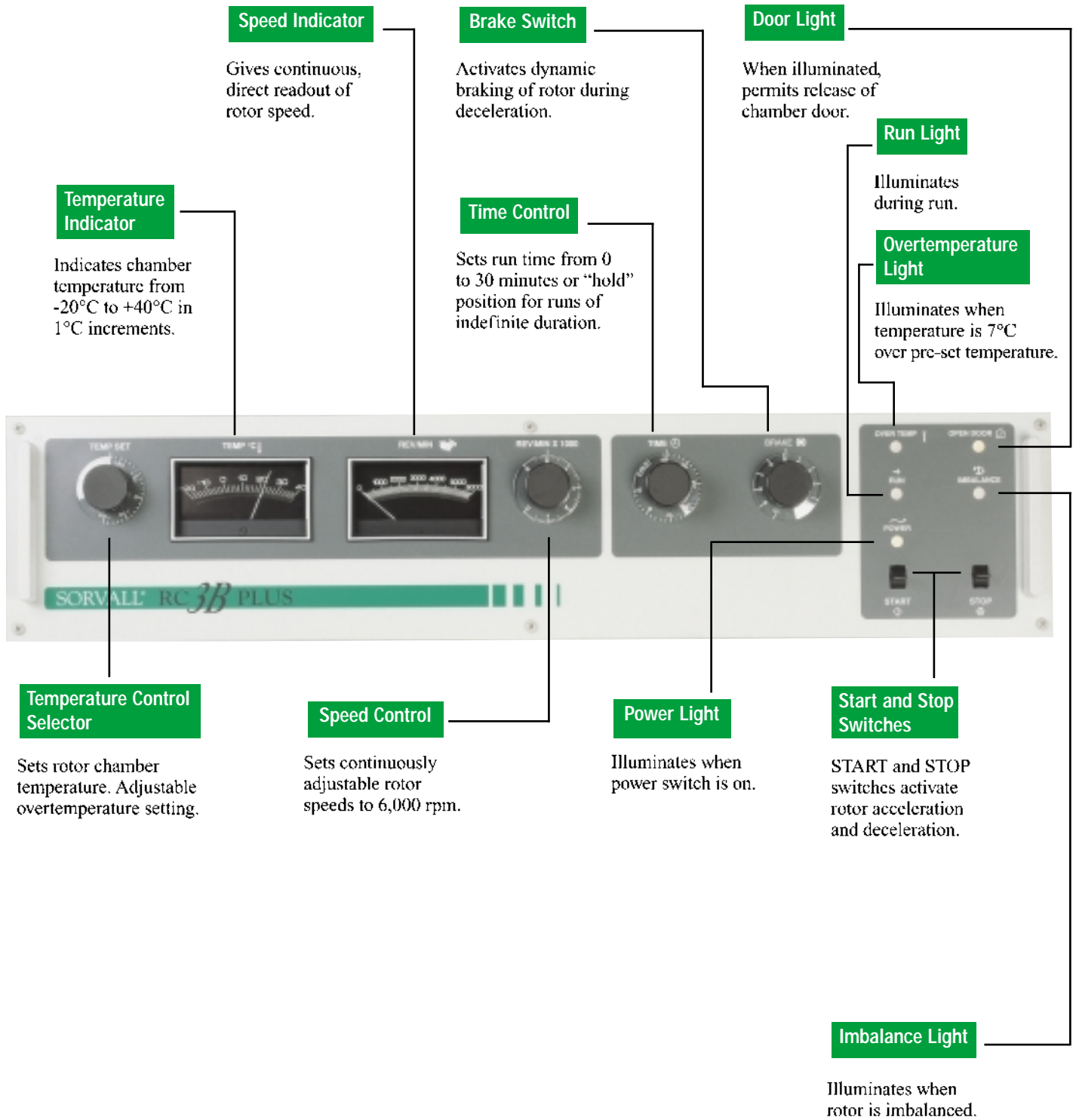
SORVALL® RC-3C Plus Lowspeed Centrifuge.

Fully-featured, microprocessor-controlled operation.



SORVALL® RC-3B Plus Lowspeed Centrifuge.

Easy-to-use, economical operation.





Rotor Compatibility

Rotor Type	Max Speed (rpm)	Max RCF (g)	Tube Angle	Max. Capacity (place x mL)	Volume Range (mL)	Catalog Number
HBB-6 Swinging Bucket	5,000	7,100	90°	6 x 500ml blood bages	1,400	11753
H-6000A 6 Place Swinging Bucket featuring Biocontainment	5,000	7,300	90°	6x1,000	1.5-1,000 microplate	11250
HLR 6-place Swinging Bucket Blood Bag Rotor	5,000	7,200	90°	6 x 500ml blood bags	1,400	11350
Hbb-12 Swinging Bucket	2,900	2,500	90°	12 x blood bags*	1,600	11276
H-2000B 8-Place Swinging Bucket featuring Biocontainment	2,800	2,300	90°	8 x 250	0.25-250 microplate	11140
LA/S-400 Biocontainment Rotor System	6,000	5,600	45°	8 x 50	12-50	11800
HL-2B Tube Rack Rotor for RIA	3,300	2,000	90°	Varies w/rack system used	RIA tube racks	**
HS-4†	6,000	6,900	90°	4 x 250	1-250	38018▼
SS-34†	6,000	4,300	34°	8 x 50	1-50	28020
SA-600†	6,000	5,200	34°	12 x 50	1-50	28500
SE-12	6,000	3,750	40°	12 x 14	1.5-14	27004
SM-24	6,000	4,450▼▼	40°	24 x 16	1.5- 16	29017

* 400-450ml blood bag, single or double without Adsol™ in the satellite bag

** Catalog number depends on RIA Tube Rack System Used.

† Requires use of drive adapter, Catalog Number 55222.

▼ Has four carrier systems available separately: 00479, 00480, 00481, 00482.

▼▼ Based on outer row.

Specifications

	RC-3B Plus	RC-3C Plus
Maximum Rotor Capacity	6 x1,400 mL	Same
Motor system	High-torque Gyro-Action direct drive, 2.5 HP, brushless	Same
Maximum Speed	6,000 rpm	Same
Maximum force	7,200 g	Same
Speed control	150 rpm to 6,000 rpm	Same
Speed Control Range	100 rpm increments	10 rpm increments
Speed Control Accuracy	±20 rpm or 1%	Same
Automatic Rate Control	Unavailable	Accel control to 250 rpm Decel control from 500 rpm
Braking System	Variable dynamic	Electronic dynamic
Imbalance Detector	50 gram tolerance	Same
Temperature Control Range	0° to + 30°C at full speed	Same
Temperature Control Accuracy	±3 °C of set temperature	±2°C of set temperature
Operating Temperature Range	-20°C to 40°C	-20°C to 40°C
Overtemperature Protection	7°C above pre-set	Same
Timer	0 to 30 minutes with HOLD 1 minute increments	0 to 99 minutes, 59 seconds with HOLD
Programs	None	Up to 10 stored in internal memory
ω²dt Integrator	Unavailable	Standard, accumulates value up to 9.9x10 ¹⁶
RCF Determination	Unavailable	Standard for any rotor speed selected

Electrical Requirements

Equipped with 3- wire cord and 3- prong cap for Hubbell receptacle No. 9330

RC-3B Plus	Catalog Number	RC-3C Plus	Catalog Number
208 V, 60 Hz, 30 A, single phase	55498	208 V, 60 Hz, 30 A, single phase	56147
220 V, 60 Hz, 30 A, single phase	55561	220 V, 60 Hz, 30 A, single phase	56152
230 V, 60 Hz, 30 A, single phase	55499	230 V, 60 Hz, 30 A, single phase	56148
240 V, 60 Hz, 30 A, single phase	55566	240 V, 60 Hz, 30 A, single phase	56157
220 V, 50 Hz, 30 A, single phase	55500	220 V, 50 Hz, 30 A, single phase	56149
240 V, 50 Hz, 30 A, single phase	55565	240 V, 50 Hz, 30 A, single phase	56156

Equipped with CEE-17 approved line cord and connector

230 V, 50 Hz, 30 A, single phase	55563	230 V, 50 Hz, 30 A, single phase	56154
230 V, 50 Hz, 15 A, polyphase	55592	230 V, 50 Hz, 15 A, polyphase	56162

Dimensions and Weight

Height	Top of deck: 94cm (37in.) Top of panel: 121cm (48in.)
Width	76 cm (30 in.)
Depth	102 cm (40 in.)
Rotor Chamber Diameter	58 cm (23 in.)
Weight (Uncrated)	308 Kg (678 lbs)
Weight (Crated)	330 Kg (727 lbs)

Warranty

The RC-3C Plus and RC-3B Plus are warranted to be free from defects in material and workmanship for a period of one year from the date of delivery.

SORVALL® lowspeed rotors are warranted against defects in materials or workmanship for seven (7) years at any speed up to the maximum speed of the rotor.

Your Sales Contact

For Ordering or Technical Information

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Quality Products – Lifetime Care

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