

VERTICALE CENTRIFUGE FOR PILOT PLANTS AND SMALL-SCALE PRODUCTION



SA 50



DRC 40

RANGE FEATURES



FONCTIONNALITY

- Ideal for R&D departments, pi-lot and small scale production workshops.
- Wide range of centrifuges for high value-added products.



FLEXIBILITY/ SUITABILITY

- Solutions for centrifugation and/or settling.
- From simple separations to the most complex processes.
- For single-product or multi-product applications.



RELIABILITY

- Suitable for standard or demanding conditions (explosive, hazardous, or corrosive environments).
- Compatible with glove box or containment envelope (model-dependent).

TOP DISCHARGE VERTICAL AXIS CENTRIFUGES

Operated manually or with a removable bag.

Options available:

- Quick-release basket.
- Conversion into a centrifuge decanter using a special kit (available for RC40 and RC50).
- Retractable tank.
- Supply of jib crane and automatic hoist for KSA-type spin dryers (removable bag).

RC TECHNICAL CHARACTERISTICS

MACHINE	Basket (mm)	Basket height (mm)	Max. rotation speed (rpm)	Useful volume (l)	Useful load (kg)	Max. G-Effect (G)	Filtration area (m ²)
RC 40	400	280	3 000	20	25	2 012	0,35
RC 50	500	320	2 250	34	42,5	1 415	0,50
RC 60	600	330	1 750	60	75	1 027	0,62

RC



RC with full casing opening



SUSPENDED VERSIONS

SA TYPE WITH DIRECT AXIAL MOTOR

- Centrifuge that cannot be made in **explosion-proof version**: **suitable for aqueous solutions only**
- Driven by **direct axial motor** with **electric braking**.
- **Three-point suspension**.



SA TECHNICAL CHARACTERISTICS

MACHINE	Basket (mm)	Basket height (mm)	Max. rotation speed (rpm)	Useful volume (l)	Useful load (kg)	Max. G-Effect (G)	Filtration area (m²)
SA 40	400	280	2 600	18	22,5	1 511	0,35
SA 50 (KC)	497	280	1 500	30	37	625	0,44

SC TYPE CENTRIFUGE, SIDE-MOUNTED MOTOR

- Centrifuge available in **explosion-proof version**.
- Driven by a side motor connected to a static frequency converter for starting, braking, and speed variation.
- **Three-point suspension**.

SC TECHNICAL CHARACTERISTICS

MACHINE	Basket (mm)	Basket height (mm)	Max. rotation speed (rpm)	Useful volume (l)	Useful load (kg)	Max. G-Effect (G)	Filtration area (m²)
SC70 AV	700	370	1 850	-	25	1 339	0,81
SC70 KFI	700	370	1 300	60	-	661	0,81



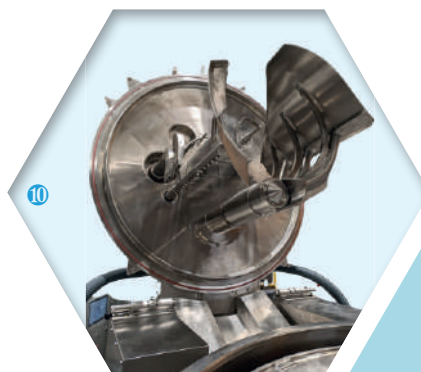
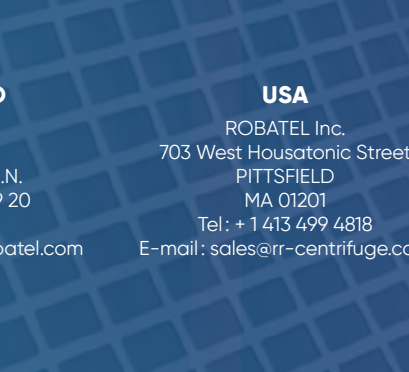
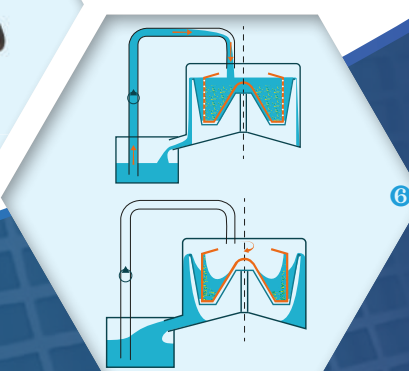
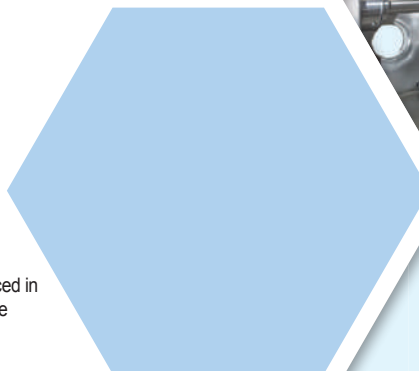
SC-70

A VERY WIDE RANGE OF TECHNICAL FEATURES, OPTIONAL EQUIPMENT, AND ACCESSORIES TO ADAPT THE CENTRIFUGES TO YOUR NEEDS

- Reversal of rotation.
- Timer.
- Mounting of centrifuges and their peripherals on a plate or handling skid with wheels (depending on weight) in mild steel or stainless steel.
- Electrical equipment on sealed or explosion-proof machines, in compliance with European standards EN 60079... (ATEX certification for the EU) or North American standards.
- Gas-tightness with or without pressure (to accommodate an inerting system).
- Imbalance sensor or vibration detector.
- ATEX 
- Construction in stainless steel (various grades available on request) or other materials, alloys (such as AISI904L, AISI318LN, alloy C22) or coatings (ECTFE) for some or all parts in contact with the product.

- Choice of lid or bowl seals: (FEPcoated, Viton, Neoprene, EP)
- Filter cloths (cotton, polypropylene, polyamide...) according to product-specific requirements.
- Feed, rinsing, and discharge piping with flanges (other types of fittings available on request).
- Additional viewing port for lamp.
- Programmable logic controller (PLC) + HMI.

- 1 2 skimmer
- 2 1 skimmer
- 3 CIP
- 4 Mounting on anti-vibration dampers
- 5 Sealed control cabinet, placed in safe or explosion-proof zone
- 6 Impregnation
- 7 Hydraulic seal
- 8 Panoramic viewing port with/without wiper
- 9 Finish according to intended use: various grades of mechanical or electrolytic polishing.
- 10 Cake feeler



HEADQUARTERS

ROUSSELET ROBATEL
45 Avenue Rhin et Danube
Parc d'activité économique de Marenton
07104 ANNONAY - FRANCE
Tel.: +33 (0)4 75 69 22 28
E-mail: info@rousselet-robatel.com

UNITED KINGDOM

ROUSSELET UK Ltd
Parkside House, 17 East Parade
HARROGATE
NORTH YORKSHIRE HG1 5LF
Tel: +44 (0)1423 530 093
E-mail: salesuk@rousselet-robatel.com

DEUTSCHLAND

ARRGOS GmbH
Max-Eyth-Str. 1
D-71691 FREIBERG a.N.
Tel: +49 (0)7141 97229 20
E-mail: info@rousselet-robatel.com

USA

ROBATEL Inc.
703 West Housatonic Street
PITTSFIELD
MA 01201
Tel: +1 413 499 4818
E-mail: sales@rr-centrifuge.com