



**ROUSSELET
ROBATEL**



INDUSTRIAL CENTRIFUGES WITH REMOVABLE BASKET

FOR MECHANICAL ENGINEERING AND METALWORKING INDUSTRIES

- Chips / swarf or components de-oiling
- Components drying after surface treatment
- Components cleaning and drying

AND FOR OTHER INDUSTRIES (PLASTIC, TEXTILE, FOOD)



SA 50 KCC2



SA 40 KC



SC 85 Vx KFEC2



SC 70 Vx KC



RC 40 Vx KCC2



RC 70 Vx KC



SC 100 KFO

ROUSSELET ROBATEL'S CENTRIFUGES INCORPORATE VARIOUS DESIGN FEATURES AND OPTIONAL EQUIPMENT ACCORDING TO SELECTED MODEL, PRODUCTS TO BE PROCESSED, PROCESSING PURPOSE AND CONDITIONS OF USE

Quick release removable basket

- **KC Design :** Handling by :
 - Handles fixed to the top part of the basket (Ø 400 & 475 mm)
 - Trunions placed on outer side of basket to which a handling attachment can be fixed
 - Specific top ring to be handled by robot
 Unloading by overturning
- **KFO Design :** Handling by the central cone
Unloading by opening of the 2 half bottom doors
- **KFE Design :** Handling by the central cone
Unloading by downward movement of retractable cone once the basket has been placed on its discharging platform.



Rigid type (RC) or suspended on three points (SA & SC) type centrifuge.

Basket driven in rotation by direct axial motor (SA) or side mounted motor and belt drive (RC & SC).

Constant or adjustable speed by frequency inverter (Vx).

Counter current braking (SA) or disk brake (SC) for one speed centrifuges; Braking through frequency inverter and braking resistance for adjustable speed centrifuges.

Construction materials: Cast iron and carbon steel for standard versions. Possibility to have some or all parts in contact with the product manufactured from stainless steel or coated.

Manual lid opening/closing or automatic by pneumatic jacks.

Heating device (C2) integrated into the lid or independent, according to the model and required power (1400 W - 12 kW). Possibility to supply a thermo-regulator.

Possibility to process components with retention zones in a basket with a conical base connected to an alternating clockwise /anticlockwise directional drive to assist liquid draining and component drying.

Specially designed baskets: with internal partitions, for cases, buckets, or rectangular boxes, with flat or perforated base plates.

Specific basket perforations or suitable filtration mesh or removable bag.

Special partitioned baskets and filtration aids, i.e. filter bags.

Independent control panel or control board with timer to adjust cycle times.

Possibility to supply the centrifuge (RC & SC types only), with explosion-proof equipment, according to European or American electrical standards. ATEX conformity for European markets.

Optional features: removable or integrated loading funnel, spraying or blowing nozzles. Additional removable baskets to reduce lost processing times and to increase productivity.

Angle bracket with hoist.

Robot with gantry.

| Types | BASKET | | | | | | | | DRYER | | | HEATING DEVICE (C2) | |
|--------|--------|---|-------------|--------------|--------|----------------|--------------------------|----------------------|------------------|-----------------------------|-------------|----------------------------|---------|
| | Model | Ø (mm) | Height (mm) | Volume (dm³) | | Max. load (kg) | Empty basket weight (kg) | Rotation speed (rpm) | Motor power (kW) | Number of cycles (per hour) | Weight (kg) | Electrical Resistance (kW) | Fan (W) |
| | | | | Total | Useful | | | | | | | | |
| SA 40 | KC | 400 | 250 | 28 | 15 | 30 | 8 | 750 | 0,55 | 10/12 | 200 | 1,4 | 18 |
| SA 50 | KC | 475 | 280 | 45 | 30 | 60 | 11 | 750 | 1,1 | 8/10 | 300 | 1,4 | 18 |
| SC70Vx | KC | 675 | 365 | 100 | 60 | 120 | 40 | 850 | 4 | 6/8 | 600 | 3 | 125 |
| SC85Vx | KC | 800 | 380 | 155 | 85 | 150 | 53 | 650 | 5,5 | 6/8 | 1200 | 4 | 125 |
| | KFO | 850 | 470 | 225 | 150 | 180 | 70 | 650 | | | 1300 | | |
| | KFE | 850 | 390 | 160 | 100 | 180 | 90 | 650 | | | 1400 | | |
| SC100 | KC | 1000 | 450 | 290 | 150 | 220 | 85 | 600 | 7,5 | 4/6 | 1500 | 6 | 125 |
| | KFO | 1000 | 500 | 340 | 200 | 240 | 90 | 650 | | | 1600 | | |
| | KFE | 1000 | 455 | 250 | 150 | 240 | 120 | 650 | | | 1700 | | |
| SC120 | KC | 1200 | 460 | 460 | 220 | 300 | 135 | 550 | 7,5 | 4/6 | 2000 | 6 | 125 |
| | KFO | 1200 | 600 | 600 | 310 | 370 | 110 | 500 | | | 2100 | | |
| | KFE | 1200 | 500 | 440 | 230 | 370 | 150 | 550 | | | 2200 | | |
| SC150 | KFO | 1500 | 600 | 900 | 410 | 500 | 155 | 500 | 11 | 3/4 | 3500 | 6 | 125 |
| RC-VX | KC | RC Vx KC: Centrifuges available in different diameters; their characteristics are defined by ROUSSELET ROBATEL only, according to processed products and required purpose | | | | | | | | | | | |

ROUSSELET CENTRIFUGATION SA

Headquarters
Avenue Rhin et Danube
PAE de Marenton
07104 ANNONAY - FRANCE



+ 33 (0) 4 75 69 22 11



+ 33 (0) 4 75 67 69 80



E-mail rousselet.sa@rousselet.com

Web

www.rousselet.com

UK :
ROUSSELET ROBATEL UK Ltd
Parkside House, 17 East Parade
HARROGATE
NORTH YORKSHIRE HG1 5LF

+ 44(0) 1 423 530 093

+ 44(0) 1 423 530 120

sales@rousselet-robatel.co.uk

Germany :
ROUSSELET CENTRIFUGATION SA

Bierbacher Str. 30
D-66424 HOMBURG-WÖRSCHWEILER

+ 49(0) 6848 730580

+ 49(0) 6848 730581

rousselet@t-online.de

www.rousselet-robatel.com

USA :
ROBATEL Inc.
703 West Housatonic Street
PITTSFIELD
MA 01201

+ 1 413 499 4818

+ 1 413 499 5648

sales@robatel.com