A wide range of centrifuges for pilot plant or small-scale production.

- For solid/liquid filtration or solid/liquid decantation.
- Can be used for simple or complex processes.
- Capable of a wide range of duties (explosive environments, hazardous materials, corrosive materials...).
- For all types of products, from bulk chemical to high value added products.
- For single products or multiple products.
Vertical basket centrifuges - Model RC 40 / 50 / 60

A wide variety of technical characteristics, optional equipment, and features to adapt the centrifuges to your specific needs.

Available with two solids removal methods:
- manual bag / solids removal: Model RC...
- semi-automatic bag removal: Model RC .. KSA

- Rigid frame mounted on vibration isolators (optional vibration monitoring).
- Centrifuge and accessories installed on a portable skid or cart, fabricated from painted steel or stainless steel, with locking casters.
- Belt driven via electric motor (with the possibility of isolating the belts and motor with guards to prevent contamination).
- Variable speed using an AC variable frequency drive (other drive systems upon request).
- Stainless steel construction or other materials, alloys, or coatings (Halar, Ebonite...) for selected portions or all parts in contact with products.
- Various grades of polishing and electropolishing available.
- Seals available in many materials (neoprene, polyethylene, Viton, silicone, Teflon encapsulated...).
- A wide variety of filter media (cotton, polypropylene, nylon...) which can also be made into filter bags depending on the processing requirements.

<table>
<thead>
<tr>
<th>Model</th>
<th>ø</th>
<th>Height</th>
<th>Useful Volume</th>
<th>Maximum Load</th>
<th>Filtration Area</th>
<th>Maximum speed</th>
<th>Centrifugal Force</th>
<th>Motor Power</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>mm</td>
<td>dm³</td>
<td>kg</td>
<td>m²</td>
<td>RPM</td>
<td>G</td>
<td>kW</td>
</tr>
<tr>
<td>RC 40</td>
<td>400</td>
<td>250</td>
<td>20</td>
<td>25</td>
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<td>3000</td>
<td>2010</td>
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<td>0,57</td>
<td>1800</td>
<td>1090</td>
<td>7,5</td>
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<td>1180</td>
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<tr>
<td>RC 50 KSA</td>
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<td>320</td>
<td>35</td>
<td>43</td>
<td>0,50</td>
<td>1700</td>
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<tr>
<td>RC 60 KSA</td>
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<td>305</td>
<td>60</td>
<td>75</td>
<td>0,57</td>
<td>1500</td>
<td>750</td>
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</table>
CENTRIFUGES: Labeled filter bag

- Sealed or explosion-proof electrical equipment (per European or American electrical standards).
- Explosion-proof control enclosures for installation in hazardous environments.
- Vaportight construction suitable for inert gas blanketing at 400 mm (16 inches) W.C. nitrogen pressure.
- Feed, wash, and discharge pipes available with a wide range of process connections and adapters.
- Panoramic sightglass with wiper blade. Additional process observation ports with or without observation lamp.
- Optional equipment:
  - Depending on cleaning and accessibility requirements (CIP systems, quick release basket, full-opening casing),
  - Depending on your safety requirements (earth grounding, nitrogen inerting, pressure monitoring, oxygen monitoring system, hydraulic guard).
- With the possibility of furnishing:
  - Cake detector (Models RC 50 and RC 60)
  - Hoisting system for basket centrifuges equipped with:
    - removable filter bag (KSA version)
    - quick release basket.
- Interchangeable decanter kits to transform filtration centrifuge into a batch decanter (available for RC 40 and RC 50).

Vertical Decanters - Model SLAB 420 / 540

Two models available. Extremely efficient separation due to the very high centrifugal forces generated, among the highest in the market.

Two methods of liquid removal possible:
- By overflow or
- Via liquid skimmer(s).

- Bowl can be fabricated with or without baffles.
- GMP design: full-opening casing, easily cleanable bowl with flat bottom.
- Skid-mounted for easy portability.
- Many options available, similar to those mentioned for the RC Models.
- Filtration kits available (perforated basket and wash tube).

<table>
<thead>
<tr>
<th>Model</th>
<th>Bowl</th>
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<th></th>
<th></th>
<th></th>
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<tr>
<td></td>
<td>d</td>
<td>Height</td>
<td>Useful Volume</td>
<td>Maximum Load</td>
<td>Maximum speed</td>
<td>Centrifugal Force</td>
</tr>
<tr>
<td></td>
<td>mm</td>
<td>mm</td>
<td>dm³</td>
<td>kg</td>
<td>RPM</td>
<td>G</td>
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<td>50</td>
<td>2600</td>
<td>2040</td>
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</table>
## OTHER BASKET CENTRIFUGES
for pilot plant and small-scale production

### Automatic models: solids discharge via scraper

Available in two versions:
- Horizontal axis with solids discharge through a chute,
- Vertical axis with discharge through basket bottom.

- Mounted on an integral inertia plate with vibration isolators.
- Hydraulic actuation of the scraper.
- Numerous options and features (construction materials, polishing grades, CIP, automatic control systems).
- GMP design with clean room installation possible for horizontal axis machines.

### TECHNICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Model</th>
<th>ø (mm)</th>
<th>Depth / Height (mm)</th>
<th>Useful Volume (dm³)</th>
<th>Maximum Load (kg)</th>
<th>Maximum Speed (RPM)</th>
<th>Centrifugal Force (G)</th>
<th>Motor Power (kW)</th>
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</tr>
</tbody>
</table>

### Simplified models: directly coupled motor

These centrifuges can not be made explosion-proof nor are they capable of being inert gas blanketed. Their usage is limited to aqueous processing.

- Direct motor coupling and electric braking.
- Triple suspension.
- Options available: materials of construction, variable speed, feed tubes, wash tubes...

### TECHNICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Model</th>
<th>Basket</th>
<th>ø (mm)</th>
<th>Height (mm)</th>
<th>Useful Volume (dm³)</th>
<th>Maximum Load (kg)</th>
<th>Filtration Area (m²)</th>
<th>Maximum Speed (RPM)</th>
<th>Centrifugal Force (G)</th>
<th>Motor Power (kW)</th>
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<td>1500</td>
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<td>0,44</td>
<td></td>
<td>1500</td>
<td>628</td>
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<table>
<thead>
<tr>
<th>Mobile</th>
<th>Email</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>33 (0) 4 75 69 22 11</td>
<td><a href="mailto:info@roussletroubatet.fr">info@roussletroubatet.fr</a></td>
<td>Myriam Petuy</td>
</tr>
<tr>
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<td><a href="mailto:sales@roussletroubatet.fr">sales@roussletroubatet.fr</a></td>
<td>Myriam Petuy</td>
</tr>
</tbody>
</table>

Contact: Chris Evans
Contact: Myriam Petuy
Contact: Myriam Petuy
Contact: Paul McFarland

[Website: www.roussletroubatet.fr - www.robatel.com]