CONTINUOUS SCREENING FILTRATION CENTRIFUGES

for continuous separation, drying and washing of a solid phase suspended in a liquid phase

Applications:
- Centrifugal drying of crystallized mineral products, organic synthesis products, fibrous products, salts
- Crystals for particle sizes over 75 microns

Industries:
- Breweries, soya, proteins, carbonates, nitrates, sulfites, chlorates, phosphates, food products

Construction: mild steel, stainless steel or special alloys

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Types</th>
<th>Basket Diameter</th>
<th>RPM</th>
<th>G Force</th>
<th>Motor Power</th>
<th>Overall dimensions in cm</th>
<th>Weight of the centrifuge</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td></td>
<td></td>
<td>kW</td>
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<td>2300</td>
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<td>200</td>
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EC 06 for continuous separation and drying
**MAIN FEATURES**

**Stable construction:** self-ballasted for long-term operation

**Hinged casing:** to provide quick, easy access for inspection and maintenance

**Minimum vibration transmission:** units installed on heavy-duty antivibration pads

**Solids discharge vibrator transmission:** to assist discharge of sticky solids from casing. The casing is mounted independently of the centrifuge itself

**Torque limiter:** to prevent overloading. Can be coupled with continuous torque readout device

**Continuous production:** well adapted to continuous chemical processes

**Mechanical seals:** vaportight operation under controlled atmospheres

**Feed sight indicator:** for visual observation

**Wash tube and separate wash discharge:** an internal baffle allows discharging wash liquid to be isolated from the filtrate

**Applications of units in series permit counter-current washing**

**Wide application range:** G-Force from 2000 to 2500xG. Temperatures from 0 to 200°C. Operation in explosion-proof or inerted environments. High and low pressure.

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**OPERATION**

The slurry to be treated is fed through feed pipe D. Under G-force, the solid product is projected toward the inner wall of the basket. It is then continuously discharged by the screw conveyor B through outlet K. The filtrate liquid is continuously discharged through outlet J. The wash pipe G permits the introduction of a liquid to wash the treated product during centrifugation and before discharge.

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**A-** Truncated conical basket rotating at high speed, equipped with a filtering medium adapted to the product

**B-** Screw conveyor rotating at a speed different from that of the basket

**C-** External casing to collect the dry product, mother liquors and wash liquors

**D-** Slurry feed pipe

**E-** Rotating gear reducer with oil bath controlling the relative speed between basket and screw conveyor

**F-** Safety device preventing overloading of the rotating gear

**G-** Wash pipe

**H-** Seal permitting operation in dangerous atmosphere

**I-** Outlet for the wash liquor

**J-** Outlet for the filtrate

**K-** Outlet for dry product