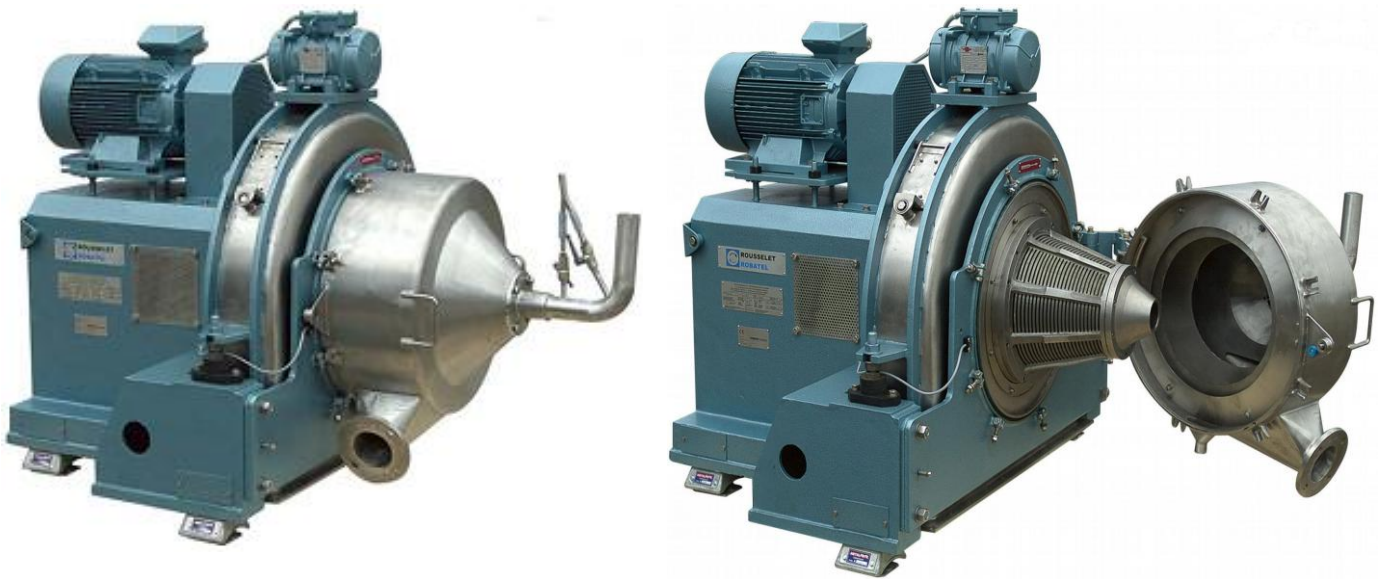


## CONTINUOUS SCREENING FILTRATION CENTRIFUGES

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



*EC 06 for continuous separation and drying*

### *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

Types	Basket Diameter	RPM	G Force	Motor Power	Overall dimensions in cm			Weight of the centrifuge
	mm			kW	L	l	h	kg
EC 03	300	3600	2560	15	170	130	150	1000
EC 04	400	2900	2250	18.5	210	150	175	2400
EC 06	600	2300	2000	37	250	200	190	4500

## 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

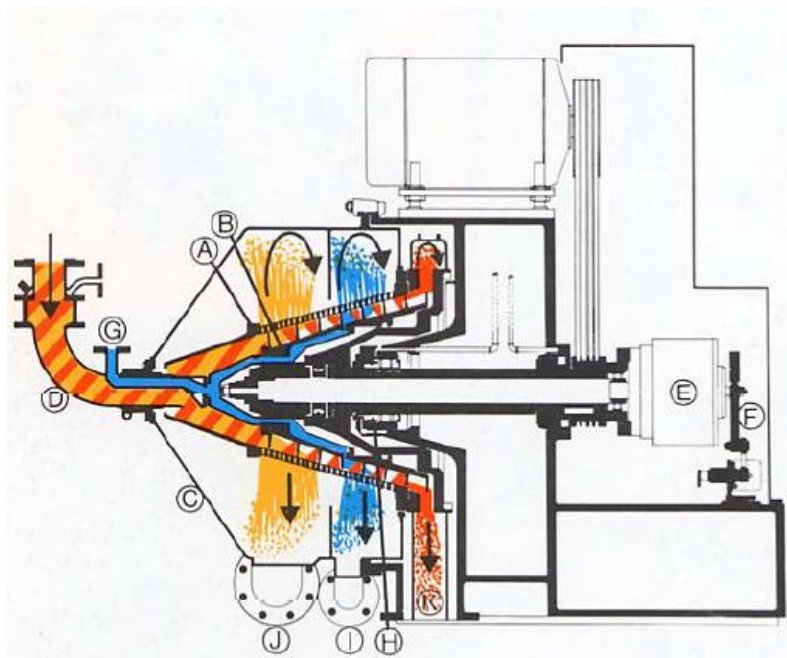
**Mechanical seals:** vaportight operation under controlled atmospheres

**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.



**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

## 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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