

CENTRIFUGES FOR STATIC, DYNAMIC OR VACUUM COATING of a product on various substances or parts IMP TYPE



KEY FEATURES OF IMP TYPE CENTRIFUGES



EASE OF USE

- No spillage.
- Parts can be dry to the touch.
- Simple operation.



CONFIGURABLE

- Control of consumption of the applied product.
- Deposition of product on the entire surface.
- Completely automatic cycle.
- Reproducibility guaranteed.
- Possibility for fum tight construction.



OPTIMISATION

- Recycling of the product applied.
- Non-polluted and clean deposition guaranteed.
- No aerosoling.

GENERAL CHARACTERISTICS

- **Conical carrying bowl¹**, installed on the spindle, designed to accept a removable basket that is overturned to discharge the parts (handgrips or trunions for manual handling).
- **Suspended in 3 points** (type SA/SC) or rigid (type RC).
- **Powered by axial motor** (type SA) or side-mounted motor (type RC /SC), connected to a frequency inverter to adjust rotational speeds.



- **Product containing and recycling tank² with pump, filter screen at discharge area, fill and drain caps, low level-detector and visual level, inspection cap, etc.**



- **Fully automatic cycle**; possibility to set duration via pump static coating and dewatering..

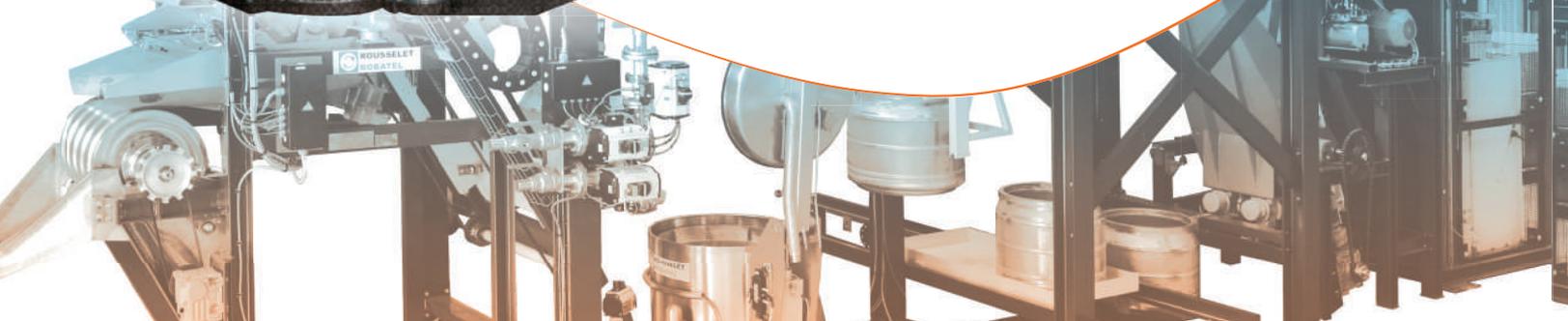
- **Rotation speed can be set with potentiometer** (10 to 100% of maximum speed).



- **Independent control/command panel with switches and lights.**

- **US and EU compliant safety features.**

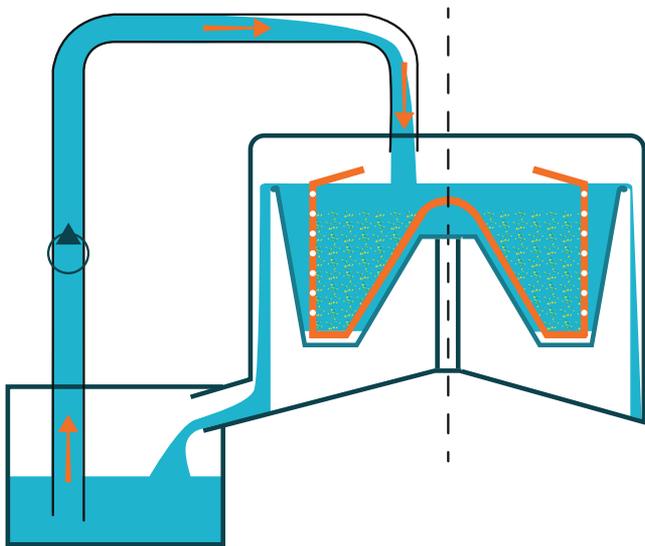
- **Materials** : mild steel, viton seal for cover, nitrile rubbers, various materials for other seals and components...



TYPICAL CYCLE OPERATION

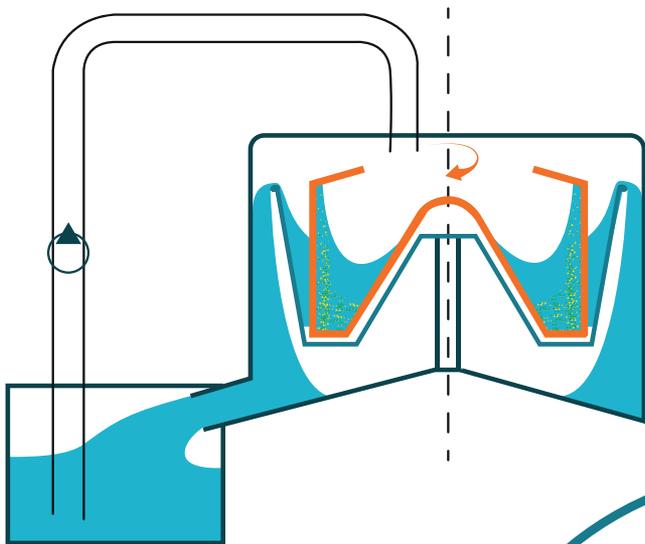
- centrifuge with removable basket

- 1- Installation of the removable basket in the centrifuge, loaded with parts.
- 2- Cover closing.
- 3- Automatic cycle.



COATING PHASE

- Coating bowl is fed with the liquid pumped from the tank.
- Pump is stopped once the parts are immersed and static coating begins.



DEWATERING PHASE

- The bowl + basket system's rotational speed is gradually increased enabling the liquid to discharge back into the tank.
- Dewatering of parts at pre-selected speed and for pre-selected duration, so as to leave a thin layer on the surface of the parts.
- Optional drying with hot-air heating system.
- Slowing down to a complete stop and unlocking of cover.
- Opening cover.
- Basket removal for discharge of parts.



TECHNICAL CHARACTERISTICS OF IMP RANGE

TYPE	Basket							Bowl volume l	Max. speed rpm
	∅ mm	Useful height mm	Useful volume l	Total volume l	Max. Load kg	Weight kg			
SA 40 Vx KC IMP	300	180	8	15	25	8	22	1000	
SA 50 Vx KC IMP	475	280	30	40	60	11	60	1000	
RC 50 Vx KC IMP	475	280	30	40	60	11	60	1000	
SC 70 Vx KC IMP	645	330	50	80	100	40	160	900	
SC 85 Vx KC IMP	790	380	90	155	180	53	240	750	

Other versions with baskets of different sizes and capacities have already been manufactured: [please contact us !](#)



OPTIONAL EQUIPMENT AND AUXILIARIES

- **Materials:**
stainless steel, hydrophobic coating (Halar, Rilsan, cothal, etc...).
- **Tank:**
fine particulate liquid filtration system to guarantee clean coating, filter clog detector, sealing level (reinforced, under pressure, etc...).
- **Basket:**
special perforations, suitable filter elements (removable bag), non removable basket, basket with conical bottom (combined with reversing mechanism for parts with significant holdup areas), bottom discharge basket (for massive parts), basket with compartments, basket with flat bottom, etc...
- **Cover:**
spring or pneumatic-assisted, manual lifting, vapor extracting system, etc...
- **Control/Command:**
pre-programmed cycles (automated or cycle by cycle), integration of vapor control or vapor traceability.
- **Other versions:**
explosion-proof (RC/SC types) vacuum rated version, automated version, etc.
- **Peripherals:**
independent heating system (type C2), temperature regulating system, bracket with hoist, additional removable basket, liquid discharge nozzle mounted on cover, retention tank, etc...

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