



Centrifuges

*for static, dynamic
or vacuum coating*

of a product on various substances or parts (IMP range)

APPLICATIONS: *deposition of product on a surface or impregnation before dewatering and the possibility of drying parts and materials for various substances (springs, seals, plastics, nylon nets, etc.)*

- **PROTECTION** from oxidation and other finishings (varnishes, specific paints, anti-vibration products, other substances)
- **LUBRICATION** (oil, PTFE, etc.), **SILICONIZING**, **WASHING**, etc.
- **COATING** (capacitors, catalytic filters, porous samples, textile fibers, graphite, etc.)

ADVANTAGES:

- Control of consumption of the applied product
- Recycling of the product applied
- Deposition of product on the entire surface
- Non-polluted and clean deposition guaranteed
- No spillage
- Parts can be dry to the touch (depending on the product)
- Simple operation
- Completely automatic cycle
- Reproducibility guaranteed
- No aerosoling
- Possibility for fume tight construction



TYPICAL CYCLE OPERATION

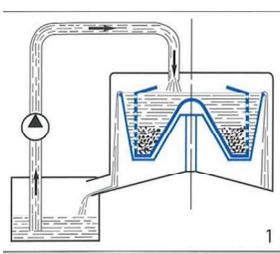


Image 1

- Cover closing
- Automatic cycle:
 - COATING phase** (image 1)
 - 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** (image 2)
 - 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 of cover
- Basket removal for discharge of parts

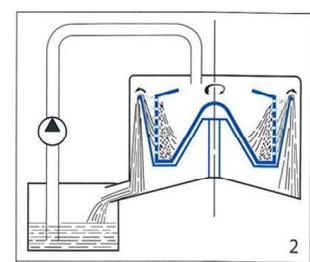


Image 2

GENERAL CHARACTERISTICS:

- Conical carrying bowl, 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 (RC type)
- 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 tank 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 of feeding via pump, static coating and dewatering
- Rotational speed can be set with potentiometer (10 to 100 % of maximal speed)
- Independent control/command panel with switches and lights
- US and EU compliant security features
- Materials: mild steel, viton seal for cover, nitrile rubbers, various materials for other seals and components

OPTIONS

- **MATERIALS:** stainless steel, hydrophobic coating (Halar, Rilsan, cothal, etc.), special seals and components, etc.
- **TANK:** fine liquid filtration system to guarantee clean coating), filter plugging detector, sealing level (reinforced, under pressure, etc.), automatic isolation valves, high level detector, mixer, two-compartment tank (two products), heating of bath liquid, heat introduction system, tailored sizes and volumes, tank mounted on load cells (precise liquid level control), on elevated table (liquid transfer without pump), etc.
- **BASKET:** special perforations, suitable filter elements (removable bag), non removable basket, basket with conical bottom (combined with reversing mechanism for parts with high retention rate 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.



STANDARD RANGE											
TYPE	BASKET							Bowl Volume	Max. Speed	Power	Tank Useful Volume/Total Volume
	Diameter	Useful Height	Useful Volume	Total Volume	Max. Load	Weight	Perforation Diameter				
	mm	mm	liters	liters	kg	kg	mm				
SA 40 Vx KC IMP	300	180	8	15	25	8	2.5	22	1000	0.55	65/100
SA 50 Vx KC IMP	475	280	30	40	60	11	2.5	60	1000	1.1	100/155
RC 50 Vx KC IMP	475	280	30	40	60	11	2.5	60	1000	3	100/155
SC 70 Vx KC IMP	645	330	50	80	100	40	4	160	900	4	250/350
SC 85 Vx KC IMP	790	380	90	155	180	53	4	240	750	5.5	300/40

OTHER VERSIONS WITH BASKETS OF DIFFERENT SIZES AND CAPACITIES HAVE ALREADY BEEN MANUFACTURED : PLEASE CONTACT US

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