



## LABORATORY CENTRIFUGE

### TYPE RC 20 / RC 30



The laboratory centrifuge has been designed by **ROUSSELET ROBATEL** for use in Laboratories specialising in fine chemicals, pharmaceuticals, biotechnology, research and food processing.

Its versatility allows a utilisation for laboratory as well as pilot plant trials and even for small scale production. Constructed according to industrial manufacturing standards enables it to perform under the most arduous conditions with highly corrosive and flammable materials.

Robust, reliable and easily maintained, this machine is characterised by its adaptability. By interchanging some elements it allows you to investigate and solve a wide range of solid/liquid separation problems.

## General Features

- Rigid construction. Vertical axis centrifuge mounted on 4 anti-vibration rubber dampers.
- Basket : diameter 200 mm (RC 20 ) 300 mm (RC 30) with removable filtration bag. Rotation speed 3000 rpm.
- Lid with sealing gasket and safety locking, fitted with feeding pipe and sight glass.
- Drive : the basket is driven in rotation by a single speed electric motor via a V-Belt connected to a frequency inverter to achieve starting, braking and variable speed. All the electrical equipment mounted on the machine is built according to IP 55 standards.
- Safety : centrifuge equipped with all safety devices.
- Control of the centrifuge from a control box mounted on the centrifuge. Control panel containing contactors located in safe area.
- Material : all product wetted parts are manufactured from stainless steel AISI 316 (L & ti).

TYPE	Basket diameter (mm)	Basket height (mm)	Useful volume (l)	Useful load (kg)	Speed (rpm)	Length (mm)	Width (mm)	Height (mm)	Open lid height (mm)	Weight (kg)
<b>RC 20</b>	200	100	2	2,5	3000	780	440	645	975	130
<b>RC 30</b>	300	150	5	6	3000	780	440	645	975	130

## Optional Equipment

### • EXPLOSION PROOF EQUIPMENT :

Motor and electrical equipment mounted on the centrifuge according to European Standards EN 50014/50018/50019/50020. Main control panel enclosure can also be supplied to the same explosion proof standard.

### • INERTIZATION :

The centrifuge can be designed and built to accommodate nitrogen blanketing (nitrogen pipes and suitable lid gasket) ; optional supply of the blanketing device and hydraulic syphon.

### • MATERIALS :

Special grades of stainless steel or alloys (HASTELLOY).  
Silicon lid gasket covered with rubber PTFE.

### • ACCESSORIES :

- Bowl : diameter 200 mm (useful volume 2 liters), diameter 300 mm (useful volume 5 liters)
- Liquid removal operating either by overflowing or through a manual skimmer
- Test tube holder
- Removable filtration bags for 200 and 300 mm diameter filtration baskets manufactured from a range of materials.
- Rinsing pipe with swivelling nozzle.
- Lid mounted inspection lamp
- Mobile trolley manufactured from mild or stainless steel.
- Cycle timer.

## Specific Versions

- Double shell for heating or cooling liquid circulation
- Increased maximum speed (dependent on process)
- 200 mm diameter removable basket (non removable basket carrier).
- Mechanical or electro-polishing of product wetted area
- Centrifuge with complete product confinement (confinement envelope with glove box and transfer container).



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