

# SORVALL<sup>®</sup> Contifuge<sup>®</sup> Continuous Flow Centifuge

- Capable of running the entire rotor inventory of the SORVALL Stratos<sup>®</sup> and autoclavable continuous flow rotor
- 17,000 rpm (25,040 x g) in continuous flow mode
- Ideal for bacterial, yeast, algae and animal cell separations
- Flow rate up to 54 L/hr
- Sediment capacity of 400 ml



SORVALL Contifuge mounted on accessory cart.

## Ordering Information

Product	Catalog no. 200/208 V (50/60 Hz)	Catalog no. 230 V (50/60 Hz)
SORVALL Contifuge	75005296	75005297
High performance polypropylene insert		75015339
Accessory cart (H x W x D, inch/mm = 30 x 28 x 23/764 x 715 x 590)		76000083
Peristaltic pump (230 V/50 Hz, max. pump volume 1820 ml x rpm) (can be switched to 120 V/60 Hz)		75003503

## Product Specifications

		Contifuge
Drive		Brushless induction
Control		Microprocessor via EASYcontrol II
Speed range	rpm	300 – 17,000
Max. RCF	x g	25,040
Max. capacity	ml	300 (sediment)
Max. flow rate	L/hr	36
Decel./accel. profiles		9/9
Programmability		9 + 1 pre-cooling program
Functions		RCF pre-selection, quick run, automatic rotor recognition, electronic imbalance detection
Dimensions (H x W x D)	inch (mm)	15.6 x 25.2 x 23.4 (395 x 640 x 595)
Weight	lb (kg)	295 (134)
Run time	hr/min	0 – 9 hrs 59 mins, continuous operation
Temperature range	°C	-9 to +40, CFC-free refrigerant
Noise level at max. speed	dB (A)	< 60
Power consumption	W	1400 (cooling system 900)
Construction		Steel chassis with armored rotor chamber
Safety		Lid lock and interlock
Electrical	V (Hz)	200/208 (50/60), 230 (50/60)



# SORVALL® Contifuge® Continuous Flow Centrifuge

The SORVALL® Contifuge® is capable of processing very large sample volumes – typically, from bioreactors and fermentors – in just a single run. The centrifuge allows rapid, reliable separations of large volumes of suspension with a low solid matter content, and with the help of an accessory cart, can be used almost anywhere. Compared with discontinuous centrifugation, time savings of up to 80% are possible.

The Contifuge can be used with a high speed titanium continuous flow rotor, ideal for harvesting bacterial cultures and human or animal cells. The rotor is easy to assemble and clean, fully autoclavable, and sediment cells gently without lysis.

A polypropylene insert improves sedimentation capability, particularly for small or low density particles. The insert, developed for the separation of suspensions with a low solids content, reduces sediment capacity from 300 ml to 50 ml.

To maintain precise, reproducible flow rates, the use of a peristaltic pump with a pump range of 100 to 900 ml/min is recommended. An optional peristaltic pump, which is controlled via the centrifuge, is available.

A movable centrifuge cart, on which the pump, sample containers and a magnetic stirrer can be placed, makes the entire system portable. Reinforced metal construction makes the cart virtually vibration-free.

The Contifuge operates reliably, even when complex samples are processed. Even the introduction of air/lather does not affect system operation.

- Harvesting of plant and animal cell cultures
- Harvesting of bacteria and virus lysates
- Precipitation of protein complexes
- Cell enrichment
- Separation of immunoglobulins
- Vaccine production

- Preparation of macrophages
- Separation of yeasts
- Concentration of metal and plastic particles
- Sediment extraction from water samples
- Plankton enrichment



## Rotor Specifications

Rotor		Titanium continuous flow
Catalog no.		75003049
Max. sediment volume	ml	300
Max. sediment volume with high performance insert	ml	50
Optimal flow rate	ml x rpm	200 – 600
Max. speed	rpm	17,000
Max. RCF	x g	25,040
Acceleration/deceleration time	s	80/60
Max./min. radius	mm	77.5/50.0
Max./min. radius with high performance insert	mm	77.5/72.5
Autoclavable		yes