

Thermo Electron Highspeed, Compact Microcentrifuges Ventilated/Refrigerated

IEC Micromax can achieve g-forces to 21,000 xg and a speed range of 1000 to 15,000 RPM, and feature variable (user selectable) acceleration and deceleration rates.

IEC Microlite can achieve g-forces to 16,250 xg and a speed range of 1000 to 13,200 RPM, and feature a fixed acceleration and deceleration rate.

Product Features

- Refrigerated models offer a temperature range of 4°C to ambient. Temperatures to -9°C (15.8°F) may be reached at less than maximum speed
- Small footprint saves valuable countertop space, leaving more room for sample preparation
- Cover interlock safety feature ensures that the cover is closed before a run can begin and keeps the cover closed until the rotor is at a safe, low speed
- Maintenance-free, brushless drive motor is permanently lubricated for efficiency and quiet operation



Specifications

Maximum Speed/Force

3581/3583	13,200 RPM/16,250 xg 851 rotor
3591/3593	15,000 RPM/21,000 xg 851 rotor
Maximum Sample Volume	60ml (24x1.5/2.0ml and 24x1.5/2.0ml) 851 rotor

Operator Controls

Rotor Chamber Temp.*	-9°C to 40°C
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Rotation

3581/3583	1000 to 13,200 by 100 RPM
3591/3593	1000 to 15,000 by 100 RPM
Spin Duration	1 sec. to 99 min.; Timed, Continuous (Hold), Momentary Spin (Pulse)

Accel. and Decel. Rate

3581/3583	Fast only
3591/3593	Fast, Slow, Coast

Repeatability

Rotation	Within 10 RPM
Temperature*	4°C to 20-22°C ±1°C
Display	RPM/RCF, Time, Temp* (digital); Start, Stop, Open, Accel., Brake (LED)

Maximum dbA

3581/3583	62
3591/3593	65

Refrigeration*

Non-CFC, non-flammable, and commercially available refrigerant

Electrical

Ventilated	220/240V, 50/60 Hz, 2.0 FLA
Refrigerated	220/240V, 50 Hz, 4.0 FLA

Certification

CSA Certified, CE Marked

Dimensions

	Ventilated	Refrigerated
Height (cover open) mm	503	503
Height (cover closed) mm	249	249
Width mm	305	305
Depth mm	338	589
Clearance mm	Add 37.6 to all sides	

Weight

Net	
3591/3581	44 lbs (20.0 kg)
3593/3583	79 lbs (35.8 kg)

* Refrigerated models only

Continuing research and improvements may result in specification changes at any time

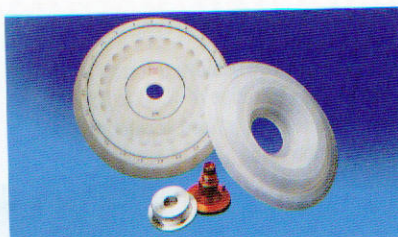
Ordering Information

Cat No	Description	Price £
3591	IEC Micromax ventilated microcentrifuge	1395.00
3593	IEC Micromax refrigerated microcentrifuge	2995.00
3581	IEC Microlite ventilated microcentrifuge, max 17,000 xg	995.00
3583	IEC Microlite RF refrigerated microcentrifuge, max 17,000 xg	2995.00

Rotors for the IEC Micromax and IEC Microlite



853 Polypropylene rotor max speed 13,200 rpm
16,350 xg



891 Biological sealed rotor max speed 15,000 rpm
21,000 xg



851 / 852 Polypropylene rotor max speed 15,000 rpm
21,000 xg

Ordering Information and Specifications - polypropylene microtube rotors

Cat No.	Description	Capacity	Price £
891	Sealed rotor provides aerosol containment and can be removed with seal intact for carrying samples to your biological safety cabinet. Polypropylene, 45 degree angle rotor achieves up to 16,250 xg at 13,200 RPM, and 21,000 xg at 15,000 RPM.	24 x 1.5 ml microtubes or 24 x 0.5ml microtubes (with 5763 adapter) or 24 x 0.6ml BD Microtainers™ (with 5763 adapter) or 24 x 0.4ml microtubes (with 5764 adapter) or 24 x 0.25ml microtubes (with 5764 adapter)	560.00
851	Dual purpose rotor with translucent lid. Polypropylene, 45 degree angle rotor achieves up to 16,250 xg at 13,200 RPM, and 21,000 xg at 15,000 RPM outer row and 17,400 xg at 15,000 RPM, inner row.	24 x 1.5-2.0ml microtubes plus 24 x 0.5ml microtubes Includes adapters for 0.25-0.4ml microtubes	405.00
852	Polypropylene rotor, fully autoclavable, chemically resistant, translucent lid for quiet operation.	24 x 0.6ml BD Microtainers™ 48 x 0.5ml microtubes	405.00
853	Polypropylene rotor, fully autoclavable, chemically resistant, translucent lid for quiet operation.	40 x 0.4ml microtubes, max 16,350 xg 40 x 0.25ml microtubes, max 14,600 xg 40 x 0.8ml glass tube, max 16,500 xg	405.00

Ordering Information - Adaptors for use with 852 and 891 rotors

Cat No	Description	Qty	Price £
5763	Adaptors for 0.6 ml BD Microtainers® & 0.5 ml microtubes	12/pk	70.00
5764	Adaptors for 0.4 ml microtubes & 0.25 ml microtubes	12/pk	70.00