Megafuge ST4 and ST4R Plus Centrifuges



4 L Benchtop centrifuges (Plus series): specifications and ordering information

Specifications	Megafuge ST4 Plus		Megafuge ST4R Plus	
	IVD	General Use Only	IVD	General Use Only
Swinging buckets rotors				
Maximum capacity	4 x 1,000 mL with TX-1000 rotor			
Maximum speed	6,100 rpm with H-Flex HS4 rotor			
Maximum RCF	7,197 x g with H-Flex HS4 rotor			
Fixed angle rotors				
Maximum capacity	6 x 100 mL with F15-6x100y or F10-6x100 LEX rotor			
Maximum speed	15,200 rpm with F21-48x2, Microliter 48x2 or Microliter 30x2			
Maximum RCF	25,830 x g with Microliter 30x2			
Centrifuge details				
Control system	Microprocessor			
Drive system	Direct, brushless induction low profile motor			
Accel/decel profiles	Choices of 9 accel / 10 decel rates			
Material	Front, top, sides: PC-ABS plastic painted with 2K PUR-based lacquer; metal housing: cold rolled steel with powder paint; centrifuge bowl: stainless steel; centrifuge feet: rubber			
Safety features	SMARTSpin imbalance detection, finger-pinch prevention, crash-proof construction			
Warranty	5 years limited (2 years standard warranty + 3 additional years on motor and refrigeration)			
Includes	Printed English user manual, USB stick with 28 languages of user manual, corrosion resistance oil (70009824), power cord, declaration of conformity			
Temperature range	N/A		-10°C to +40°C	
Number of compatible rotors	13		13	
Display details				
Display	Push button and high contrast LCD interface			
Run time	Max 9h, 59min; also with continuous and pulse modes			
Speed	Increments of 50 rpm / 50 x g			
Timer	Count down only in increments of 1 second (from 9 min 59 seconds) and in increments of 1 minute (>10 min)			
Temperature	N/A		Sample temperature in increments of 1 degree	
Program storage	Up to 6 run programs			
Programmability	Via 6 direct access buttons			
Dimensions, weight				
Width (inches) exterior	22.3		29.4	
Width (cm) exterior	56.6		74.6	
Depth (inches) exterior	27.2		27.2	
Depth (cm) exterior	69.0		69.0	
Height (inches) exterior	14.3		14.2	
Height (cm) exterior	36.2		36.1	
Height (inches) open cover	33.9		33.9	
Height (cm) open cover	86.1		86.0	
Footprint dimensions (inches)	22.3 x 23.1		29.4 x 23.0	
Footprint dimensions (cm)	56.6 x 58.8		74.6 x 58.4	
Net weight (lbs)	196		265	
Net weight (kgs)	89		120	
Certifications and standards				
IVD/MD	√		√	
Certifications	EN/UL/IEC 61010-1, EN/UL/IEC 61010-2-020 and 61010-2-101, EN/UL/IEC 61326-1, EN/UL/IEC 61326-2-6, FCC part 15			
Standards	ISO 14971, ISO 13485, ISO 9001			
Cleanroom compatibility	Class ISO 7 according to DIN EN ISO 14644-1			

Ordering information	Megafuge ST4 Plus		Megafuge ST4R Plus	
	IVD	General Use Only	IVD	General Use Only
230V§	75009503*	75009903	75009518* / 75009618*§	75009918 / 75009818§
120V	75009504*	N/A	75009519*	N/A

*Indicates a centrifuge, rotor and/or adapter product approved for use in clinical applications; see user manual for details.
§ 220V / 60 Hz [Korea, etc.]