

PRODUCT SPECIFICATIONS RECIRCULATING MSC

MODEL	MR085G	MR120H	MU120H
MAIN- FILTER	Downflow	HEPA CLASS H-14, efficiency 99.997% @ 0.3µm tested to EN1822: 2009	
	Exhaust	HEPA CLASS H-14, efficiency 99.997% @ 0.3µm tested to EN1822: 2009	
AIRFLOW VELOCITIES	Downflow	>0.25ms ⁻¹ to 0.5ms ⁻¹ (Measured 50mm below diffuser face)	
	Inflow	>0.51ms ⁻¹ mean inflow through the front open aperture	
FAN TYPE	Dynamically Balanced Centrifugal Fan EC FAN R3G250-RE07-07 230V 50/60Hz		Dynamically Balanced Centrifugal Fan EC FAN R3G250-RE07-07 230V 50/60Hz X2
	Dynamically Balanced Centrifugal Fan EC FAN R3G250-RO33-81 115V 60Hz		Dynamically Balanced Centrifugal Fan EC FAN R3G250-RO33-81 115V 60Hz X2
FAN CONTROL	Automatic, Programmable Nextion TFT Fan & Alarm Control System		
ALARM SYSTEM	Automatic, Programmable Nextion TFT Fan & Alarm Control System		
SOUND LEVEL	< 50dBA at 1 meter		
LIGHTNING	Integrated LED Lighting		
UV (optional)	UVc Germicidal type: Wavelength 253.7 nm		
FINISH EXT	Light Grey, Gloss Finish, Plastic Coating		
COMPLIANCE STANDARDS	BS7989:2001 Specification For Recirculatory Filtration Fume Cupboards		
	AFNOR NFX 15-211 Class 1 For Filter Retention Capacity		
	AFNOR NFX 15-203 For Containment		
	BS EN 61010:2010 Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use		
	BS EN 61326:2013 Electrical Equipment for Measurement, Control and Laboratory Use. EMC Requirements.		
	HEPA Filter: EN1822:2009		
	2015/863/EU Restriction of use of certain Hazardous Substances (RoHS3) Directive		

PRODUCT SPECIFICATIONS – POWER AND WEIGHT FOR RECIRCULATING MSC

MODEL	MR085G	MR120H	MU120H	MR085G	MR120H	MU120H
	-1			-4		
ELECTRICAL	110V – 120V 60 Hz,			230V +10% -6% 50 Hz		
POWER CONSUMPTION	232W	402W		232W	402W	
LOAD AMPS	4.0A	6.0A		2.0A	3.5A	

MODEL	MR085G	MR120H	MU120H
NET WEIGHT	107kg	129kg	176kg

FILTER SELECTION

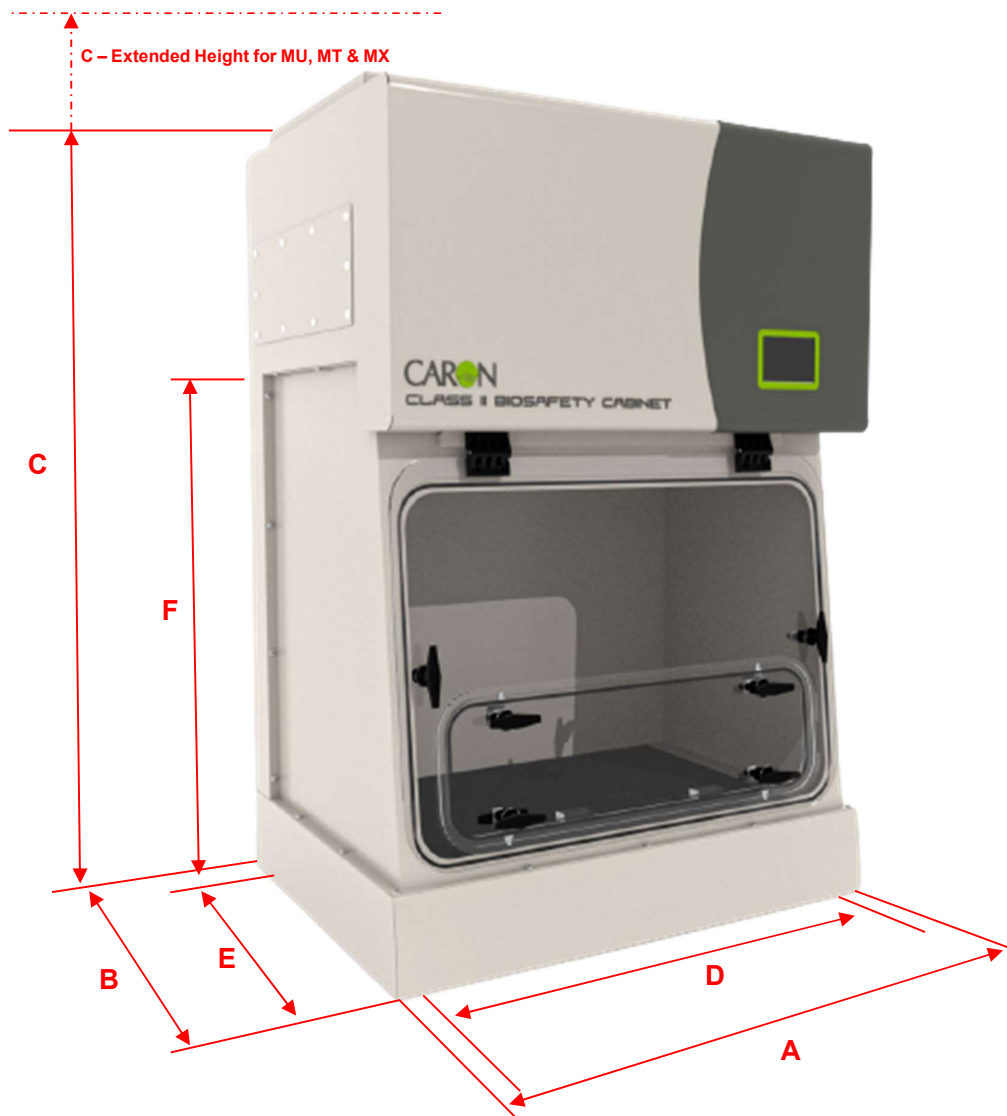
Stock No.	Description	MR085G	MR120H	MU120H	MD085G	MD120H	MT120H	ME085J	ME120K	MX120K
ACF02/01	Acid Filter, size #2, Qty 1									
ACF04/01	Acid Filter, size #4, Qty 1									
AMF02/01	Ammonia Filter, size #2, Qty 1									
AMF04/01	Ammonia Filter, size #4, Qty 1									
FHF02/01	Formaldehyde Filter, size #2, Qty 1									
FHF04/01	Formaldehyde Filter, size #3, Qty 1									
HPF02/01	HEPA Filter, size #2, Qty 1	●	●	●	●	●	●	●	●	●
HPF04/01	HEPA Filter, size #4, Qty 1	⦿			⦿			⦿	⦿	⦿
HPF17/01	HEPA Filter, size #G, (set of HPF02/01 & HPF04/01)	⦿			⦿					
HPF18/01	HEPA Filter, size #H, (set of HPF02/01 & FH0016/01)		⦿	⦿		⦿	⦿			
HPF19/01	HEPA Filter, size #J, (set of 2x HPF02/01 & HPF04/01)							⦿		
HPF20/01	HEPA Filter, size #K, (set of 2x HPF02/01 & FH0016/01)								⦿	⦿
MPF02/01	Multi-Purpose Filter, size #2, Qty 1									
MPF04/01	Multi-Purpose Filter, size #4, Qty 1									
OSF02/01	Organic Solvent Filter, size #2, Qty 1									
OSF04/01	Organic Solvent Filter, size #4, Qty 1									
PRF02/01	Prefilter, size #2, Qty 1									
PRF04/01	Prefilter, size #4, Qty 1									
PRF04/02	Prefilter, size #4, Qty 2									
SPF02/01	Filter Spacer, size #2, Qty 1									
SPF04/01	Filter Spacer, size #4, Qty 1									
SPF04/02	Filter Spacer, size #4, Qty 2									
ULF02/01	ULPA Filter, size #2, Qty 1	●	●	●	●	●	●	●	●	●
ULF04/01	ULPA Filter, size #4, Qty 1	⦿			⦿			⦿	⦿	⦿
ULF17/01	ULPA Filter, size #G (set of ULF02/01 & ULF04/01)	⦿			⦿					
ULF18/01	ULPA Filter, size #H (set of ULF02/01 & FU0016/01)		⦿	⦿		⦿	⦿			
ULF19/01	ULPA Filter, size #J, (set of 2x ULF02/01 & ULF04/01)							⦿		
ULF20/01	ULPA Filter, size #K, (set of 2x ULF02/01 & FU0016/01)								⦿	⦿

KEY:

● – Exhaust Filters

⦿ - Downflow Filters

DIMENSIONAL REFERENCES RECIRCULATING MSC



MODEL	'A' EXTERNAL WIDTH	'B' EXTERNAL DEPTH	'C' EXTERNAL HEIGHT	'D' INTERNAL WIDTH	'E' INTERNAL DEPTH	'F' INTERNAL HEIGHT
MR085G	854mm	650mm	1218mm	814mm	418mm	686mm
MR120H	1221mm	661mm	1200mm	1160mm	540mm	686mm
MU120H	1221mm	753mm	1470.7mm	1160mm	660mm	939mm
MD085G	854mm	650mm	1431mm	814mm	418mm	686mm
MD120H	1221mm	661mm	1446.2mm	1160mm	540mm	686mm
MT120H	1221mm	753mm	1710.7mm	1160mm	660mm	939mm
ME085J	854mm	650mm	1431mm	814mm	418mm	686mm
ME120K	1221mm	661mm	1446.2mm	1160mm	540mm	686mm
MX120K	1221mm	753mm	1685.7mm	1160mm	660mm	939mm