

## PRODUCT SPECIFICATIONS MSC WITH DUCTED EXHAUST

MODEL	MD085G		MD120H	MT120H
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 <sup>-1</sup> to 0.5ms <sup>-1</sup> (Measured 50mm below diffuser face)		
	Inflow	>0.51ms <sup>-1</sup> 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			
AIRFLOW ALARM	Nextion TFT Fan & Alarm Control System			
LIGHTING	Integrated LED Lighting			
UV LIGHT (optional)	UVc Germicidal type: Wavelength 253.7 nm			
SOUND LEVEL	Less than 50dBA at 1 metre			
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.			
	<sup>1</sup> Carbon Filter: BS7989:2001, <sup>2</sup> HEPA Filter: EN1822:2009			

# PRODUCT SPECIFICATION – POWER AND WEIGHT FOR MSC WITH DUCTED EXHAUST

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MODEL	MD085G	MD120H	MT120H	MD085G	MD120H	MT120H
	-1			-4		
ELECTRICAL	110V – 120V 60 Hz,			230V +10% -6% 50 Hz		
POWER CONSUMPTION	402W	572W		402W	572W	
LOAD AMPS	6.0A	8.5A		3.5A	5.0A	

MODEL	MD085G	MD120H	MT120H
NET WEIGHT	116kg	137kg	181kg

## 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