

PRODUCT SPECIFICATIONS HORIZONTAL LAMINAR FLOW MODELS

MODEL	Product Protection			Operator Protection		
	BP100A	BP150B	BP200C	BO100A	BO150B	BO200C
PRE-FILTER	Oiled pre-filter media eliminates particles >5µm to ISO 16890					
MAIN- FILTER (2)	See Filter Selection					
MAIN FILTER (3)	Optional					
OPENING TYPE	Open Aperture					
FACE VELOCITY	>0.4m/s					
FAN TYPE	EBM R3G250-RE07-07 230V 50HZ dynamically balanced centrifugal x2	EBM R3G250-RE07-07 230V 50HZ dynamically balanced centrifugal x3	EBM R3G250-RE07-07 230V 50HZ dynamically balanced centrifugal x2	EBM R3G250-RE07-07 230V 50HZ dynamically balanced centrifugal x3		
	EBM R3G250-RO33-81 dynamically balanced centrifugal x2	EBM R3G250-RO33-81 dynamically balanced centrifugal x3	EBM R3G250-RO33-81 dynamically balanced centrifugal x2	EBM R3G250-RO33-81 dynamically balanced centrifugal x3		
FAN CONTROL	Automatic, Programmable Nextion TFT Fan & Alarm Control System					
AIRFLOW ALARM	Nextion TFT Fan & Alarm Control System					
LIGHTING	Integrated LED Lighting					
SOUND LEVEL	< 50dBA at 1 meter					
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.					
	¹ Carbon Filter: BS7989:2001, ² HEPA Filter: EN1822:2009					

PRODUCT SPECIFICATIONS – POWER AND WEIGHT FOR HORIZONTAL LAMINAR FLOW MODES

MODEL	Product Protection		Operator Protection	
	BP100A, BP150B, BP200C		BO100A BO150B, BO200C	
	-1	-4	-1	-4
ELECTRICAL	110V – 120V 60 Hz,	230V +10% -6% 50 Hz	110V – 120V 60 Hz,	230V +10% -6% 50 Hz

MODEL	BP100A	BP150B	BP200C	BO100A	BO150B	BO200C
NET WEIGHT	92kg	145kg	192kg	92kg	145kg	192kg
POWER CONSUMPTION (230V)	374W	382W	560W	374W	382W	560W
POWER CONSUMPTION (115V)	784W	792W	1175W	784W	792W	1175W
LOAD AMPS (230V)	3.5A		5.0A	3.5A		5.0A
LOAD AMPS (115V)	12.0A	12.5A	15.0A	12.0A	12.5A	15.0A

FILTER SELECTION

HLFO

BO100A: HPF15/01

BO150B: HPF21/01

BO200C: HPF22/01

VLF

VL100D: HPF13/02

VL150E: HPF13/03

VL200F: HPF13/04

HLFP

BP100A: HPF15/01

BP150B: HPF21/01

BP200C: HPF22/01

FILTER SELECTION HLF

Stock No.	Description	BO100A	BO150B	BO200C	BP100A	BP150B	BP200C
ACF02/01	Acid Filter, size #2, Qty 1	•					
ACF03/01	Acid Filter, size #3, Qty 1		•				
ACF03/02	Acid Filter, size #3, Qty 2					•	•
ACF04/01	Acid Filter, size #4, Qty 1			•	•		
AMF02/01	Ammonia Filter, size #2, Qty 1	•					
AMF03/01	Ammonia Filter, size #3, Qty 1		•				
AMF03/02	Ammonia Filter, size #3, Qty 2					•	•
AMF04/01	Ammonia Filter, size #4, Qty 1			•	•		
FHF02/01	Formaldehyde Filter, size #2, Qty 1	•					
FHF03/01	Formaldehyde Filter, size #3, Qty 1		•				
HPF02/01	HEPA Filter, size #2, Qty 1	•					
HPF03/01	HEPA Filter, size #3, Qty 1		•				
HPF03/02	HEPA Filter, size #3, Qty 2					•	•
HPF04/01	HEPA Filter, size #4, Qty 1			•	•		
MPF02/01	Multi-Purpose Filter, size #2, Qty 1	•					
MPF03/01	Multi-Purpose Filter, size #3, Qty 1		•				
MPF03/02	Multi-Purpose Filter, size #3, Qty 2					•	•
MPF04/01	Multi-Purpose Filter, size #4, Qty 1			•	•		
OSF02/01	Organic Solvent Filter, size #2, Qty 1	•					
OSF03/01	Organic Solvent Filter, size #3, Qty 1		•				
OSF03/02	Organic Solvent Filter, size #3, Qty 2					•	•
OSF04/01	Organic Solvent Filter, size #4, Qty 1			•	•		
PRF02/01	Prefilter, size #2, Qty 1	•					
PRF03/01	Prefilter, size #3, Qty 1		•				
PRF03/02	Prefilter, size #3, Qty 2					•	•
PRF04/01	Prefilter, size #4, Qty 1			•	•		
PRF04/02	Prefilter, size #4, Qty 2						
ULF02/01	ULPA Filter, size #2, Qty 1	•					
ULF03/01	ULPA Filter, size #3, Qty 1		•				
ULF03/02	ULPA Filter, size #3, Qty 2					•	•
ULF04/01	ULPA Filter, size #4, Qty 1			•	•		
ULF04/02	ULPA Filter, size #4, Qty 2						

DIMENSIONAL FOR HLF AND VLF MODELS

MODEL	'A' EXTERNAL WIDTH	'B' EXTERNAL DEPTH	'C' EXTERNAL HEIGHT	'D' INTERNAL WIDTH	'E' INTERNAL DEPTH	'F' INTERNAL HEIGHT
BP100A	1000mm	762mm	1160mm	890mm	650mm	657mm
BP150B	1500mm	762mm	1131mm	1400mm	633mm	663mm
BP200C	2000mm	757mm	1131mm	1900mm	657mm	657mm
BO100A	1000mm	762mm	1160mm	890mm	650mm	657mm
BO150B	1500mm	762mm	1131mm	1400mm	633mm	663mm
BO200C	2000mm	757mm	1131mm </td <td>1900mm</td> <td>657mm</td> <td>657mm</td>	1900mm	657mm	657mm
VL100D	1000mm	725mm	1040mm	966mm	700mm	700mm
VL150E	1500mm	725mm	1040mm	1466mm	700mm	700mm
VL200F	2000mm	725mm	1040mm	1966mm	700mm	700mm

HLF (BO & BP) Dimensional Reference

