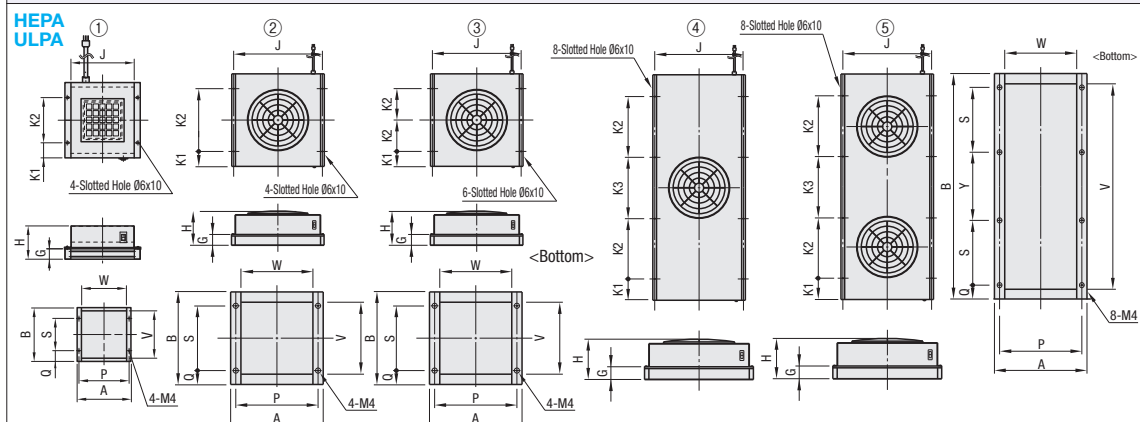


# HEPA / ULPA Filter Units / Peripherals

## HEPA Filter, ULPA Filter



No.	Air Volume m³/min		External Dimension		Cover Height		Upper Cover Mounting Pitch				Bottom Blower Outlet Size		Bottom Side Mounting Pitch				
	HEPA	ULPA	A	B	H	G	J	K1	K2	K3	W	V	P	Q	S	Y	
①	1	-	250	250	160	50	4	233	45	160	-	210	220	233	45	160	-
	3	2.5	400	400	165	50	4	383	80	240	-	360	370	383	80	240	-
②	5	4	500	500	185	50	6	483	75	350	-	460	470	483	75	350	-
	10	7	610	610	200	65	8	593	80	380	300	570	580	593	80	380	300
③	15	13	610	1220	200	65	8	593	80	380	300	570	580	593	80	380	300
	25	20	610	1220	215	65	8	593	80	380	300	570	580	593	80	380	300

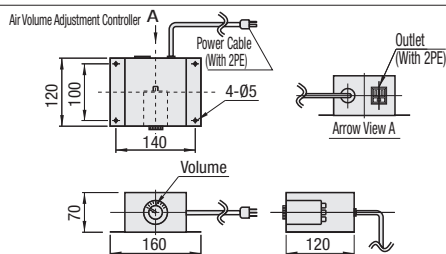
Part Number	Air Volume m³/min	Unit Price 1 - 4 pc(s).	Volume Discount Rate 5 - 10 pcs.
HEPA (HEPA Filter)	S100 S200*	13 5 10 15 25	3 5 10 15 25

Part Number	Air Volume m³/min	Unit Price 1 - 4 pc(s).	Volume Discount Rate 5 - 10 pcs.
ULPA (ULPA Filter)	S100 S200*	2.5 4 7 13 20	2.5 4 7 13 20

\* 200V type is not available for HEPA filter air volume 1 or 3, and ULPA filter air volume 2.5.

## Air Volume Adjustable HEPA Filter Unit

**HEPAFS100-5-1**  
(Air Volume Adjustment Controller HEPAS100-5)  
**HEPAFS100-10-1**  
(Air Volume Adjustment Controller HEPAS100-10)  
**HEPAD** (Air Volume Controller Unit)



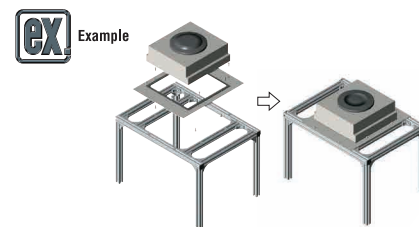
Part Number	Air Volume Range	Included HEPA Filter Unit	Air Volume m³/min (Controller Volume)	Unit Price	Volume Discount Rate
HEPAF S100	5-1	HEPAS100-5	5 4.2 3.9 3.3 2.9 1.6 1.0 0.5 0.5 or less -	1 - 4 pc(s).	5 - 10
	10-1	HEPAS100-10	10 9.3 7.7 6.1 3.9 2.3 1.1 1 or less -	1 - 4 pc(s).	5 - 10

The air volume shown are the average. Adjust according to the environment.

Part Number	HEPAS100-1		HEPAS100-3		ULPAS100-2.5		HEPAS100-5		ULPAS100-4		HEPAS100-10		ULPAS100-7		HEPAS100-15		ULPAS100-13		HEPAS100-25		ULPAS100-20	
	HEPACF-1	HEPACF-3	ULPACF-2.5	HEPACF-5	ULPACF-4	HEPACF-10	ULPACF-7	HEPACF-15	ULPACF-13	HEPACF-25	ULPACF-20											
Particle Collection Efficiency	HEPAS: 99.99% or more at 0.3µm particles											ULPAS: 99.999% or more at 0.1µm - 0.2µm particles										
Main Filter	HEPAS: 99.99% or more at 0.3µm particles											ULPAS: 99.999% or more at 0.1µm - 0.2µm particles										
Air Volume (m³/min)	1(0.8)	3(3.5)	2.5(3.0)	5(5.0)	4(4.0)	10(10)	7(7)	15(15)	13(13)	25(25)	20(20)											
Exhaust Air Velocity (m/s)	0.36(0.29)	0.38(0.44)	0.31(0.38)	0.39(0.39)	0.31(0.31)	0.51(0.51)	0.35(0.35)	0.37(0.37)	0.32(0.32)	0.61(0.61)	0.49(0.49)											
Mass (kg)	4.0	6.5	6.5	11.5	11.5	14.5	22.0	25.0	25.0	25.0	25.0											
Noise (dBA)	56(56)	53(56)	54(53)	55(56)	53(56)	56(57)	56(57)	56(57)	56(57)	59(59)	59(59)											
Power Supply	AC100V, 10, 50/60Hz Power Cord with Earthing Plug 5m Included																					
Power Consumption (W)	AC200V, 10, 50/60Hz Terminal Block Connection																					
Accessory	Pre-filter																					

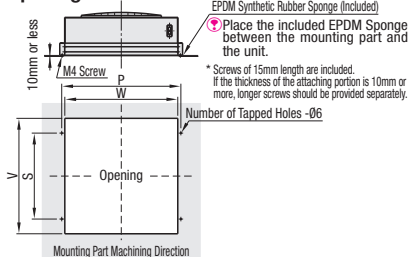
( ) is for 60Hz AC. Noise is measured at the point of 1m from the filter in an anechoic room.

Ordering Example  
Part Number - Air Volume (Air Volume Range)  
HEPAS100 - 10  
HEPAFS100 - 5-1  
HEPAD



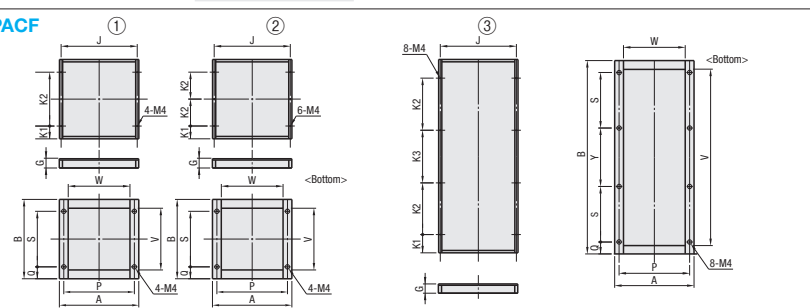
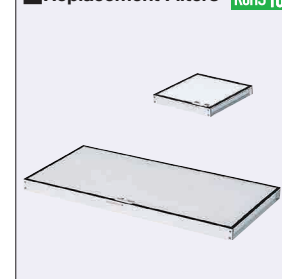
Prepare mounting brackets which have openings as shown on the right for mounting to the Aluminum Extrusions Units.

## Opening Dimensions



HEPAFS or HEPAD has a 10 step air volume adjustment potentiometer. See the table for the air volume per corresponding setting.

## Replacement Filters HEPACF



No.	Air Volume m³/min		External Dimension		Height	Upper Cover Mounting Pitch				Bottom Blower Outlet Size		Bottom Side Mounting Pitch				
	HEPACF		A	B		J	K1	K2	K3	W	V	Number of Taps	P	Q	S	Y
①	1	250	250	50	4	233	45	160	-	210	220	4	233	45	160	-
	3	400	400	50	4	383	80	240	-	360	370	4	383	80	240	-
	5	500	500	50	6	483	75	350	-	460	470	4	483	75	350	-
②	10	610	610	65	8	593	80	380	300	570	580	8	593	80	380	300
	15	610	1220	65	8	593	80	380	300	570	580	8	593	80	380	300
③	25	610	1220	65	8	593	80	380	300	570	580	8	593	80	380	300

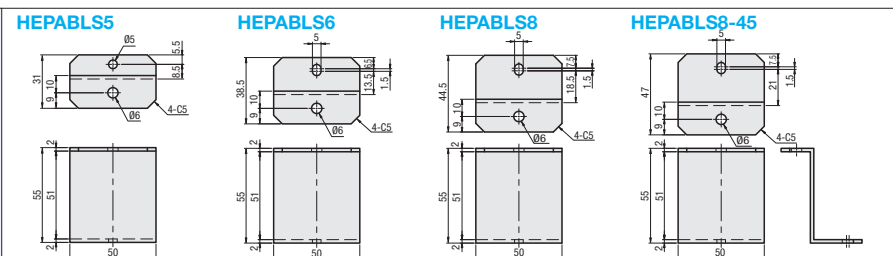
No gasket included. For the mounting pitch on the bottom, refer to the drawing for opening dimensions.

Part Number	Air Volume m³/min	Unit Price 1 - 4 pc(s).	Volume Discount Rate 5 - 10 pcs.
HEPACF (Replacement Filter for HEPA)	1 3 5 10 15 25	3 5 10 15 25	3 5 10 15 25

## Mounting Brackets for Filter Units

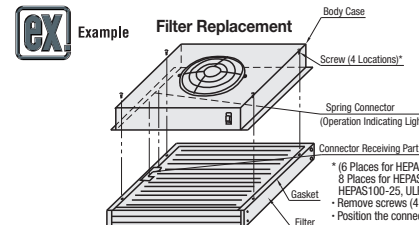


Material: SUS304  
RoHS 10



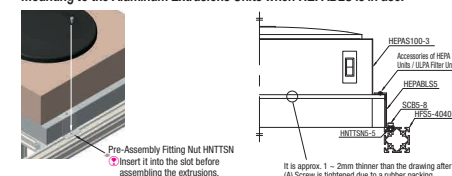
Part Number	Type	No.	Extrusion (Series)	Screw, Nut		Unit Price		Volume Discount Rate
				Screw	Nut	1 - 4 pc(s).	5 - 10	
HEPABLS	5	6	HFS5	SCB5-8	HNNTS5-5			
	6	6	HFS6	SCB5-10	HNNTS6-5			
	8	6	HFS8	SCB5-12	HNNTS8-5			
	8-45	6	HFS8-45	SCB5-12	HNNTS8-5			

Use the included screws to attach the filter side.



(6 Places for HEPAS100-10, ULPAS100-7, HEPAS200-10, ULPAS200-7; 8 Places for HEPAS100-15, ULPAS100-13, HEPAS200-15, ULPAS200-13; HEPAS100-25, ULPAS100-20, HEPAS200-25, ULPAS100-20)  
Remove screws (4 locations) with a screwdriver and replace the filter.  
Position the connector for indicator light.

## Mounting to the Aluminum Extrusions Units when HEPABLS is in use.



Pre-Assembly Fitting Nut HNNTS5-5  
Insert it into the slot before assembling the extrusions.  
It is approx. 1 - 2mm thinner than the drawing after (A) screw is tightened due to a rubber packing.