HEPA / ULPA Filter Units / Peripherals

■HEPA Filter, ULPA Filter

RoHS
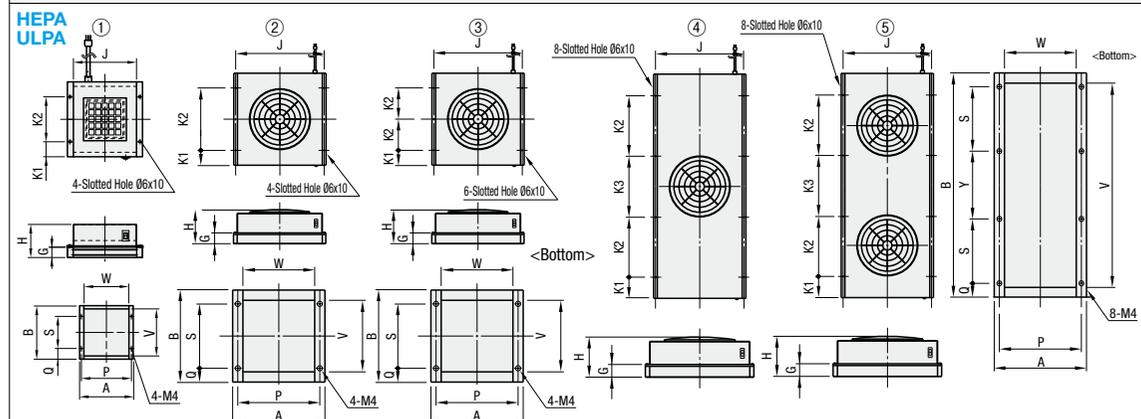
HEPA ULPA

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	Number of Cover Mounting Screws	J	K1	K2	K3	W	V	Number of Tapped Holes	P	Q	S	Y
①	1	-	250	250	160	50	4	233	45	160	-	210	220	4	233	45	160	-
②	3	2.5	400	400	165	50		383	80	240	-	360	370		383	80	240	-
	5	4	500	500	185			483	75	350	-	460	470		483	75	350	-
③	10	7			610		6			225	-		580				450	-
④	15	13	610	1220	200	65	8	593	80	380	300	570	1190	8	593	80	380	300
⑤	25	20			215													

Part Number		Air Volume m³/min		Unit Price 1 ~ 4 pc(s).						Volume Discount Rate 5 ~ 10 pcs.					
Type	Single-phase Power Supply (V)		Air Volume 1	3	5	10	15	25	Air Volume 1	3	5	10	15	25
HEPA (HEPA Filter)	S100 S200*	1 3 5 10 15 25												

Part Number		Air Volume m³/min		Unit Price 1 ~ 4 pc(s).					Volume Discount Rate 5 ~ 10 pcs.				
Type	Single-phase Power Supply (V)		Air Volume 2.5	4	7	13	20	Air Volume 2.5	4	7	13	20
ULPA (ULPA Filter)	S100 S200*	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 Adjustment Controller HEPA Filters

HEPAFS100-5-1 (Air Volume Adjustment Controller HEPAS100-5)

HEPAFS100-10-1 (Air Volume Adjustment Controller HEPAS100-10)

**HEPAD** (Air Volume Controller Unit)
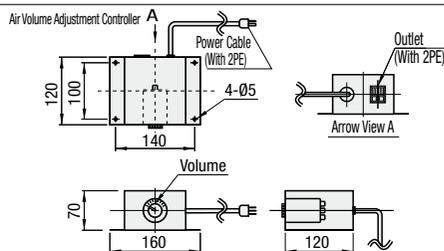
Part Number		Air Volume Range	Included HEPA Filter Unit	Air Volume m³/min (Controller Volume) See the diagram on the next page.										Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5~10
Type	Single-phase Power Supply (V)			⑩	⑨	⑧	⑦	⑥	⑤	④	③	②	①		
HEPAF	S100	5-1	HEPAS100-5	5	4.2	3.9	3.3	2.9	1.6	1.0	0.5	0.5 or less ~		
		10-1	HEPAS100-10	10	9.3	7.7	6.1	3.9	2.3	1.1		1 or less ~		

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

Part Number	Applicable HEPA Filter	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5~10
Type			
HEPAD (Air Volume Controller Unit)	HEPAS100-5 HEPAS100-10		

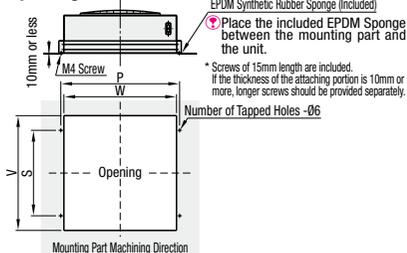| Part Number	HEPAS100-1	HEPAS100-3	ULPAS100-2.5	HEPAS100-5 HEPAS200-5	ULPAS100-4 HEPAS200-4	HEPAS100-10 HEPAS200-10	ULPAS100-7 HEPAS200-7	HEPAS100-15 ULPAS200-15	ULPAS100-13 HEPAS200-13	HEPAS100-25 HEPAS200-25	ULPAS100-20 ULPAS200-20
Particle Collection Efficiency	HEPAS: 99.99% or more at 0.3μm particles				ULPAS: 99.999% or more at 0.1μm ~ 0.2μm particles						
Main Filter	HEPACF-1	HEPACF-3	ULPACF-2.5	HEPACF-5	ULPACF-4	HEPACF-10	ULPACF-7	HEPACF-15	ULPACF-13	HEPACF-25	ULPACF-20
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	14.5	22.0	22.0	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 100V Type	AC100V, 1∅, 50/60Hz Power Cord with Earthling Plug 5m Included										
Power Supply 200V Type	-		-	AC200V, 1∅, 50/60Hz Terminal Block Connection							
Power Consumption (W) 100V Type	35(40)	28(36)	27(36)	43(46)	43(46)	98(114)	98(113)	141(157)	141(158)	190(230)	190(230)
Power Consumption (W) 200V Type	-	-	-	51(53)	50(52)	100(118)	103(117)	141(158)	140(156)	190(230)	190(230)
Accessory	Pre-filter										
	Gasket for Blow Hole: EPDM Synthetic Rubber Sponge										

🔘( ) 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	-	5-1

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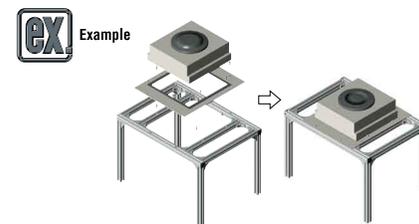
Prepare mounting brackets which have openings as shown on the right for mounting to the Aluminum Extrusions Units.

Opening Dimensions

EPDM Synthetic Rubber Sponge (Included)

🔘Place the included EPDM Sponge between the mounting part and the unit.
* Screws of 15mm length are included. If the thickness of the attaching portion is 10mm or more, longer screws should be provided separately.
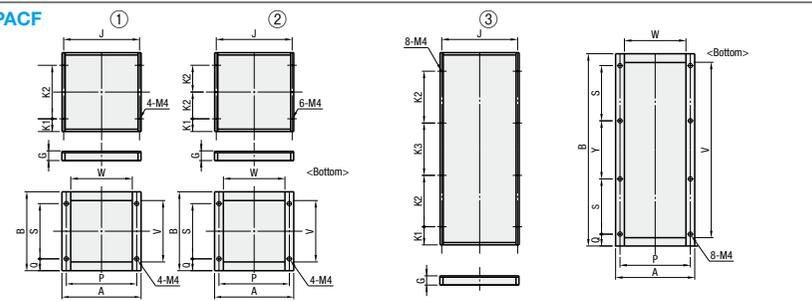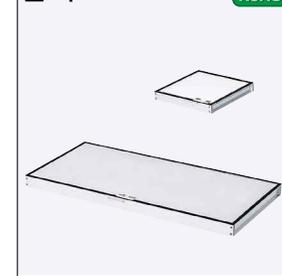
Number of Tapped Holes -Ø6

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

■Replacement Filters RoHS **HEPACF**

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

No.	Air Volume m³/min	External Dimension		Height	Upper Cover Mounting Pitch						Bottom Blower Outlet Size		Number of Taps	Bottom Side Mounting Pitch			
	HEPACF	A	B	G	Number of Cover Mounting Screws	J	K1	K2	K3	W	V		P	Q	S	Y
①	1	250	250	50	4	233	45	160	-	210	220	4	233	45	160	-
	3	400	400			383	80	240	-	360	370		383	80	240	-
	5	500	500			483	75	350	-	460	470		483	75	350	-
②	10			610	6			225	-		580				450	-
③	15	610	1220	65	8	593	80	380	300	570	1190	8	593	80	380	300
	25															

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

■Mounting Brackets for Filter Units

HEPABLS5 **HEPABLS6** **HEPABLS8** **HEPABLS8-45**

Ⓜ Material: SUS304

RoHS
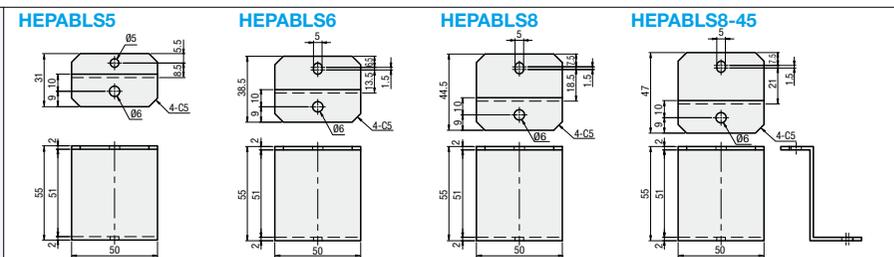
Part Number	Extrusion (Series)	Screw, Nut		Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5~10
Type	No.	Screw	Nut		
HEPABLS	5	HFS5	SCB5-8	HNTTSN5-5	
	6	HFS6	SCB5-10	HNTTSN6-5	
	8	HFS8	SCB5-12	HNTTSN8-5	
	8-45	HFS8-45	SCB5-12	HNTTSN8-5	

Ordering Example

Part Number	-	Air Volume
HEPACF HEPABLS6	-	10

🔘Use the included screws to attach the filter side.

Example

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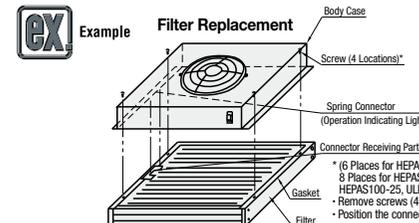
* (6 Places for HEPAS100-10, ULPAS100-7, HEPAS200-10, ULPAS200-7; 8 Places for HEPAS100-15,ULPAS100-13,HEPAS200-15,ULPAS200-13, HEPAS100-25, ULPAS100-20, HEPAS200-25, ULPAS100-20)
* Remove screws (4 locations) with a screwdriver and replace the filter.
* Position the connector for indicator light.

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