

Ultra-high performance filters/Ultra-high performance sterilizing filters

HEPA filters



JIS B 9927 test equipment



JIS B 9927 leak scan test equipment

*Performance evaluation may not be available for certain custom sizes or specifications. Contact our sales department.

*A scan test is available on request. Please contact our sales department.

*Efficiency and scan test results are indicated on the product label as shown below.

MODEL	GPBT-9997			
RATED FLOW	10	m ³ /min	INIT.RES.	98 Pa以下
EFFICIENCY	99.97	%	at	0.3 μm
SERIAL No.	090401001-001	SIZE	610 × 610 × 65	
SCAN TEST	—	Insp.by	—	

Scan test not performed

MODEL	GPBT-9997			
RATED FLOW	10	m ³ /min	INIT.RES.	98 Pa以下
EFFICIENCY	99.99	%	at	0.3 μm
SERIAL No.	090401101-001	SIZE	610 × 610 × 65	
SCAN TEST	OK	Insp.by	M. M.	

Scan test performed



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Contact

Specifications for all products herein are subject to change without notice. HEFC17-06 (09-04)

For electronic devices and precision instruments,
which require clean air environments



HEPA BT (bead separator)

- 1 Ultra-thin mini pleat (resin bead formation)
- 2 Collects at least 99.97% of 0.3 μm particles
- 3 Space-saving and easy to install/remove

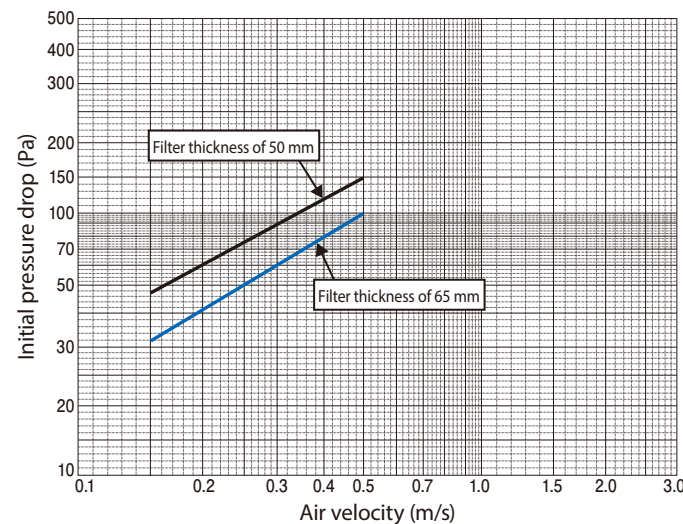


Standard specification (Non-standard sizes are available on request.)

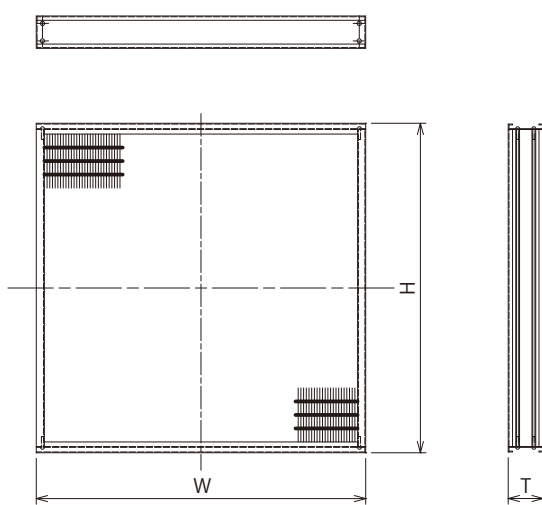
Model	Filter thickness T (mm)	Rated air flow rate ¹ (m³/min)	Standard size W×H (mm)	Product weight (kg)	Collection efficiency (% at 0.3 μm)	Pressure drop (Pa)	
						Initial	Final
GPBT-9997	50	2.3	305×305	1.0	≥ 99.97%	147	294
		4.8	305×610	1.5			
		10.0	610×610	2.5			
		12.7	760×610	3.2			
		15.4	915×610	4.0			
		20.7	1220×610	4.5			
	65	2.3	305×305	1.1		98	
		4.8	305×610	1.8			
		10.0	610×610	3.0			
		12.7	760×610	3.8			
		15.4	915×610	4.9			
		20.7	1220×610	5.5			

● Product weights are inclusive of the outer frame.

Initial pressure drop data



External dimensions (aluminum frame)



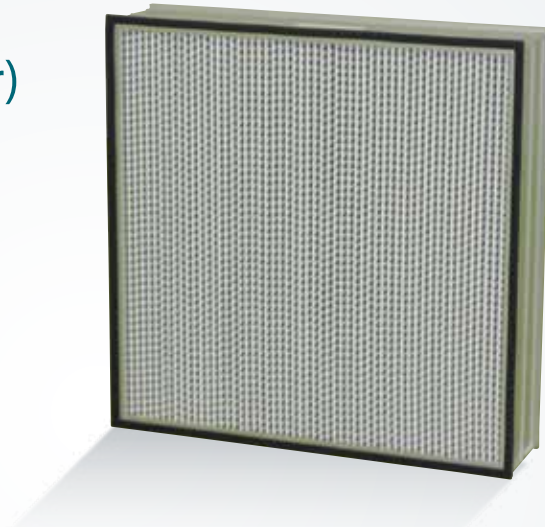
Components and materials

Item	Material
Frame	Aluminum/plywood
Filter media	Glass fiber
Separator	Beads (resin)
Sealant	Special adhesive
Gasket	Synthetic rubber

*1) The air flow rates are based on an air velocity of 0.5 m/s for a filter thickness of 50 mm/65 mm (using a face velocity excluding the filter frame for air velocity).

HEPA SP (aluminum separator)

- 1 Standard HEPA filter
- 2 Collects at least 99.97% of 0.3 μm particles
- 3 A wave-shaped aluminum separator helps prevent contact between pleats due to air current.

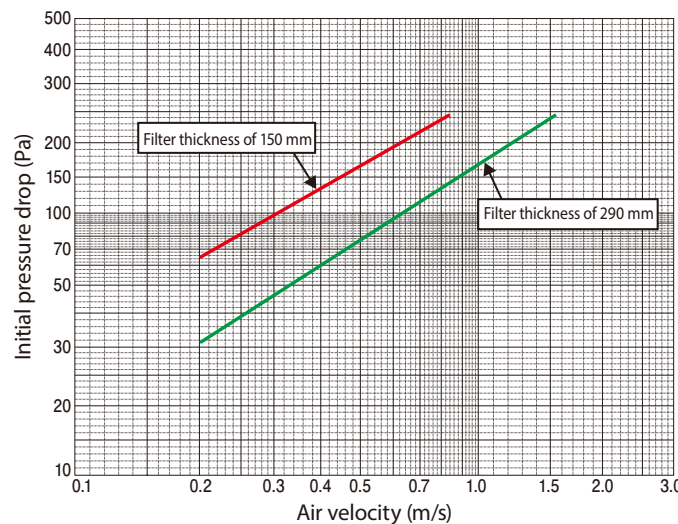


Standard specification (Non-standard sizes are available on request)

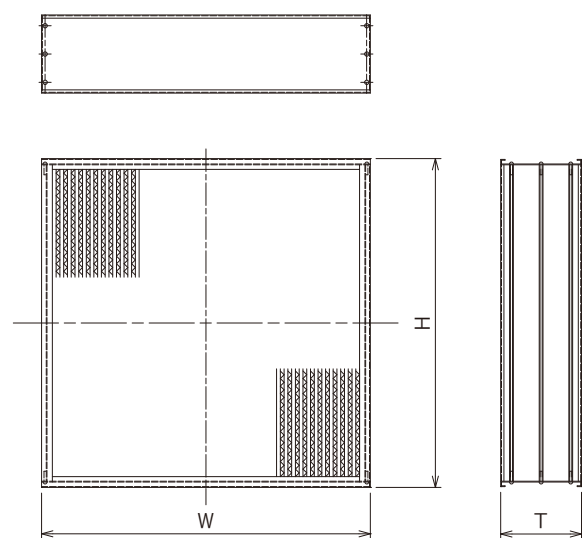
Model	Filter thickness T (mm)	Rated air flow rate*1 (m³/min)	Standard size W×H (mm)	Product weight (kg)	Collection efficiency (% at 0.3 μm)	Pressure drop (Pa)	
						Initial	Final
GPSP-9997	150	3.8	305×305	2.3	≥ 99.97%	245	490
		8.0	305×610	3.3			
		17.0	610×610	5.5			
	290	7.0	305×305	4.0			
		14.7	305×610	5.8			
		31.0	610×610	9.5			

● Product weights are inclusive of the outer frame.

Initial pressure drop data



External dimensions (aluminum frame)



Components and materials

Item	Material
Frame	Aluminum/plywood
Filter media	Glass fiber
Separator	Aluminum
Sealant	Special adhesive
Gasket	Synthetic rubber

*1) The air flow rates are based on an air flow velocity of 0.84 m/s and 1.54 m/s for a filter thickness of 150 mm and 290 mm, respectively (using a face velocity excluding the filter frame for air velocity).

Semi HEPA BT_(bead separator)

- 1 Ultra-thin mini pleat (resin bead formation)
- 2 Collects at least 95% of 0.3 μm particles
- 3 Space-saving and easy to install/remove

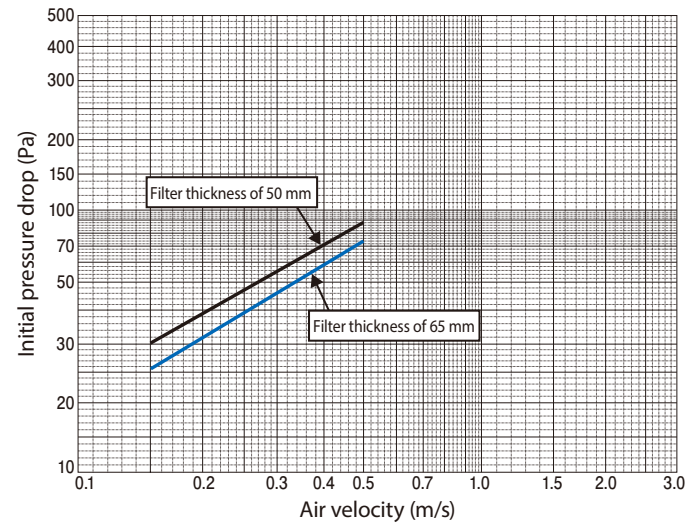


Standard specification (Non-standard sizes are available on request)

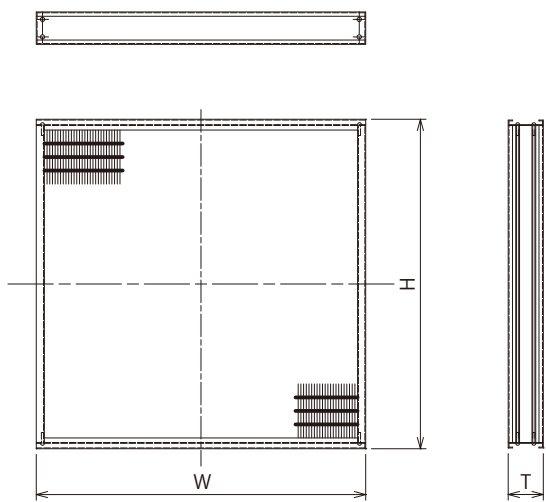
Model	Filter thickness T (mm)	Rated air flow rate ¹⁾ (m³/min)	Standard size W×H (mm)	Product weight (kg)	Collection efficiency (% at 0.3 μm)	Pressure drop (Pa)	
						Initial	Final
SPBT-95	50	2.3	305×305	1.0	≥ 95%	88	175
		4.8	305×610	1.5			
		10.0	610×610	2.5			
		12.7	760×610	3.2			
		15.4	915×610	4.0			
		20.7	1220×610	4.5			
	65	2.3	305×305	1.1		74	
		4.8	305×610	1.8			
		10.0	610×610	3.0			
		12.7	760×610	3.8			
		15.4	915×610	4.9			
		20.7	1220×610	5.5			

● Product weights are inclusive of the outer frame.

Initial pressure drop data



External dimensions (aluminum frame)



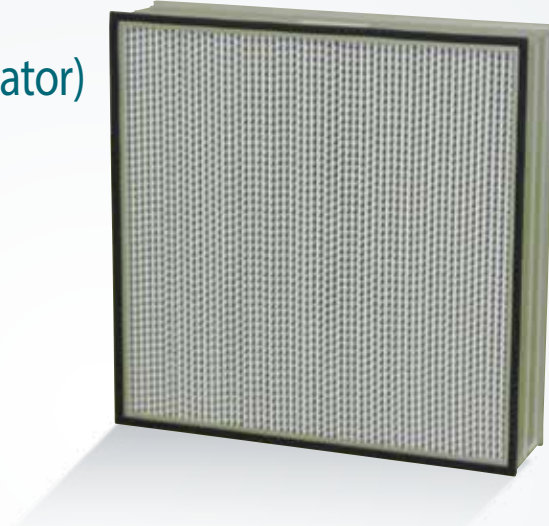
Components and materials

Item	Material
Frame	Aluminum/plywood
Filter media	Glass fiber
Separator	Beads (resin)
Sealant	Special adhesive
Gasket	Synthetic rubber

*1) The air flow rates are based on an air flow velocity of 0.5 m/s for a filter thickness of 50 mm/65 mm (using a face velocity excluding the filter frame for air velocity).

Semi HEPA SP_(aluminum separator)

- 1 Standard semi HEPA filter
- 2 Collects at least 95% of 0.3 μm particles
- 3 A wave-shaped aluminum separator helps prevent contact between pleats due to air current.

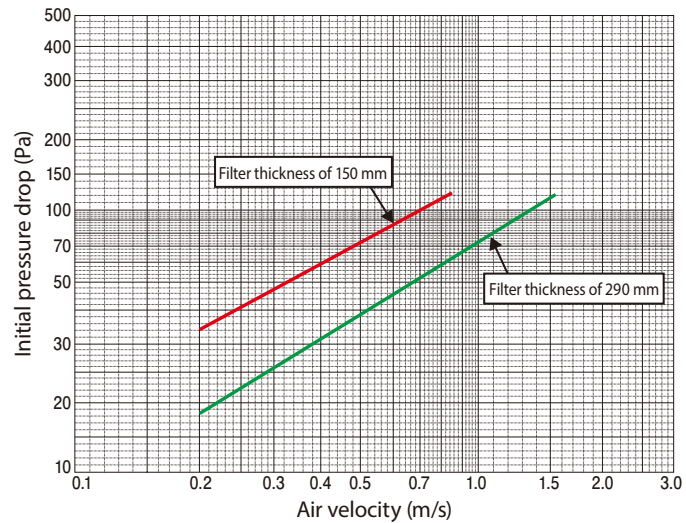


Standard specification (Non-standard sizes are available on request)

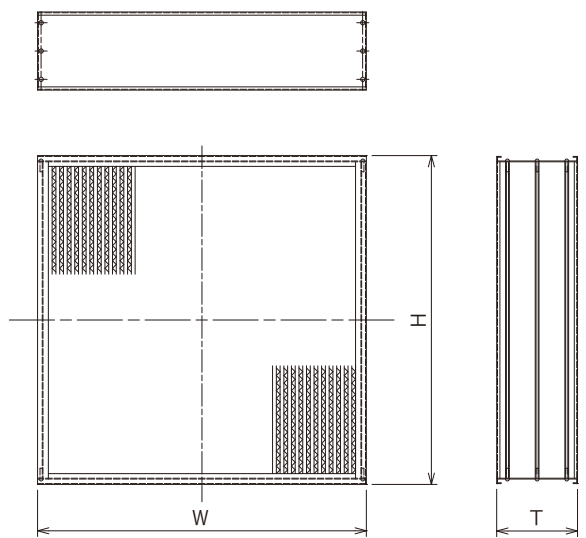
Model	Filter thickness T (mm)	Rated air flow rate*1 (m³/min)	Standard size W×H (mm)	Product weight (kg)	Collection efficiency (% at 0.3 μm)	Pressure drop (Pa)	
						Initial	Final
SPSP-95	150	3.8	305×305	2.3	≥ 95%	123	245
		8.0	305×610	3.3			
		17.0	610×610	5.5			
	290	7.0	305×305	4.0			
		14.7	305×610	5.8			
		31.0	610×610	9.5			

● Product weights are inclusive of the outer frame.

Initial pressure drop data



External dimensions (aluminum frame)



Components and materials

Item	Material
Frame	Aluminum/plywood
Filter media	Glass fiber
Separator	Aluminum
Sealant	Special adhesive
Gasket	Synthetic rubber

*1) The air flow rates are based on an air flow velocity of 0.84 m/s and 1.54 m/s for a filter thickness of 150 mm and 290 mm, respectively (using a face velocity excluding the filter frame for air velocity).

Koso HEPA/Koso Semi HEPA

(HEPA)

(Semi HEPA)

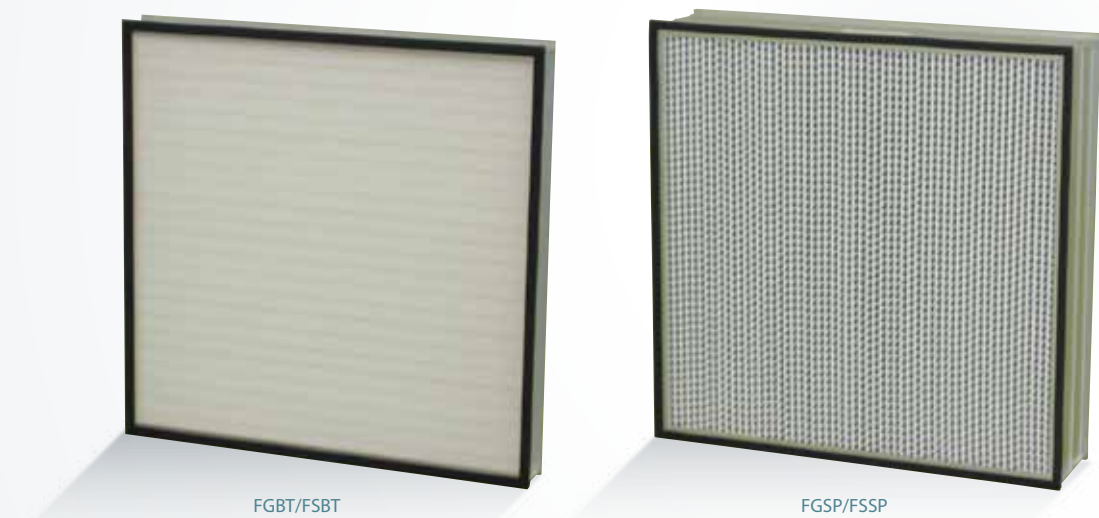
Harnessing the bacteriolytic effects of natural enzymes, these filters kill microorganisms to prevent secondary contamination from filters. The series is ideal for air conditioners in hospitals, food factories, and pharmaceutical factories.

- Features
- 1

Powerful sterilization to disinfect air quickly and effectively
- 2

Uses natural enzymes safe for people and the environment.
- 3

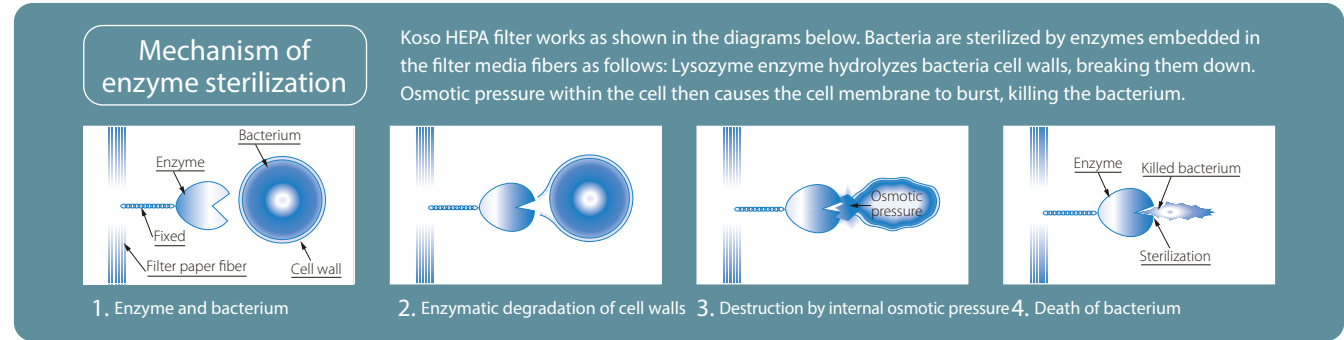
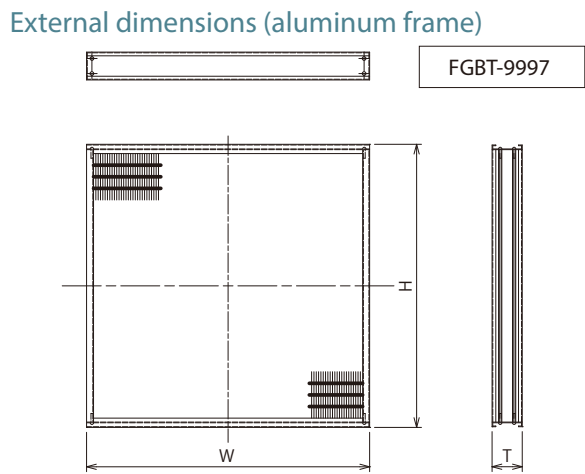
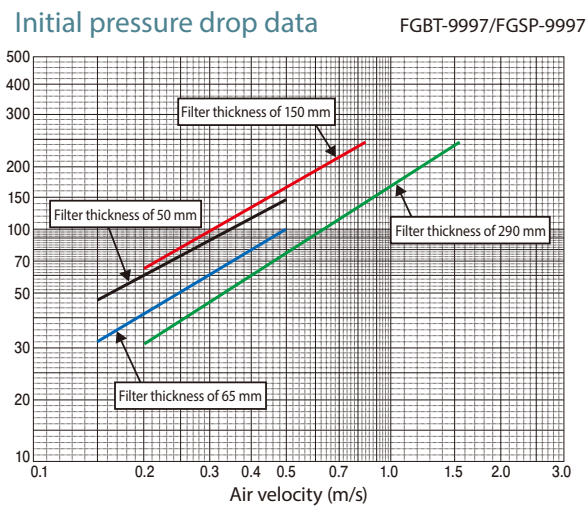
Pressure drop and collection efficiency equal to conventional filters



Koso HEPA specification

Model	Filter thickness T (mm)	Rated air flow rate*1 (m³/min)	Standard size W×H (mm)	Product weight (kg)	Collection efficiency (% at 0.3 μm)	Pressure drop (Pa)			
						Initial	Final		
FGBT-9997	50	2.3	305×305	1.0	≥ 99.97%	147	294		
		4.8	305×610	1.5					
		10.0	610×610	2.5					
		12.7	760×610	3.2					
		15.4	915×610	4.0					
	65	20.7	1220×610	4.5		98			
		2.3	305×305	1.1					
		4.8	305×610	1.8					
		10.0	610×610	3.0					
		12.7	760×610	3.8					
FGSP-9997	150	15.4	915×610	4.9	≥ 99.97%	245	490		
		20.7	1220×610	5.5					
		3.8	305×305	2.3					
	290	8.0	305×610	3.3				245	490
		17.0	610×610	5.5					
		7.0	305×305	4.0					
		14.7	305×610	5.8					
		31.0	610×610	9.5					

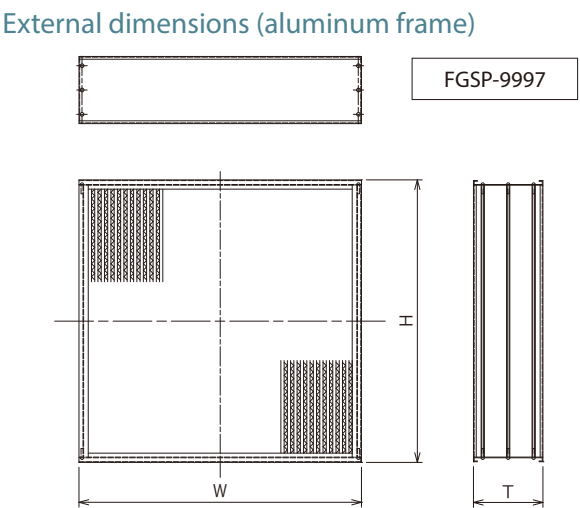
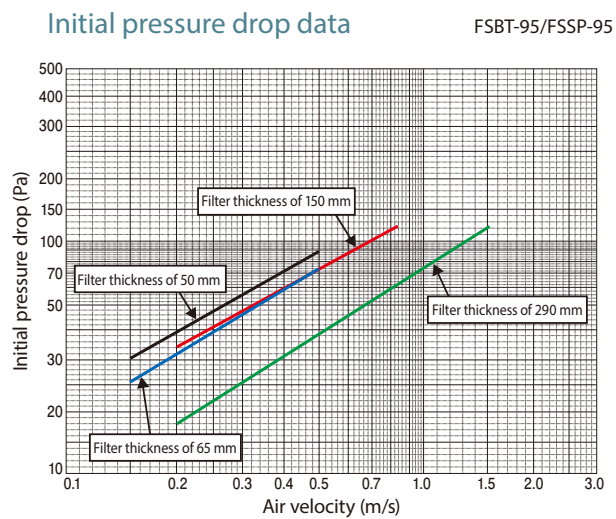
● Product weights are inclusive of the outer frame.
*1) The air flow rates are based on an air flow velocity of 0.5 m/s, 0.84 m/s, and 1.54 m/s for a filter thickness of 50 mm/65 mm,150 mm, and 290 mm, respectively (using a face velocity excluding the filter frame for air velocity).



Koso Semi HEPA

Model	Filter thickness T (mm)	Rated air flow rate*1 (m³/min)	Standard size W×H (mm)	Product weight (kg)	Collection efficiency (% at 0.3 μm)	Pressure drop (Pa)	
						Initial	Final
FSBT-95	50	2.3	305×305	1.0	≥ 95%	88	175
		4.8	305×610	1.5			
		10.0	610×610	2.5			
		12.7	760×610	3.2			
		15.4	915×610	4.0			
		20.7	1220×610	4.5			
	65	2.3	305×305	1.1		74	
		4.8	305×610	1.8			
		10.0	610×610	3.0			
		12.7	760×610	3.8			
FSSP-95	150	15.4	915×610	4.9	≥ 95%	123	245
		20.7	1220×610	5.5			
		3.8	305×305	2.3			
	290	8.0	305×610	3.3			
		17.0	610×610	5.5			
		7.0	305×305	4.0			
		14.7	305×610	5.8			
		31.0	610×610	9.5			

● Product weights are inclusive of the outer frame.



Components and materials

Item	Material
Frame	Aluminum/plywood
Filter media	Glass fiber
Separator	Beads (resin), aluminum
Sealant	Special adhesive
Gasket	Synthetic rubber

Service conditions

Item	Performance
Normal service temperature	60°C
Maximum service temperature	80°C
Maximum service humidity	95%RH

*1) The air filter rates are based on an air flow velocity of 0.5 m/s, 0.84 m/s, and 1.54 m/s for a filter thickness of 50 mm/65 mm,150 mm, and 290 mm, respectively (using a face velocity excluding the filter frame for air velocity).