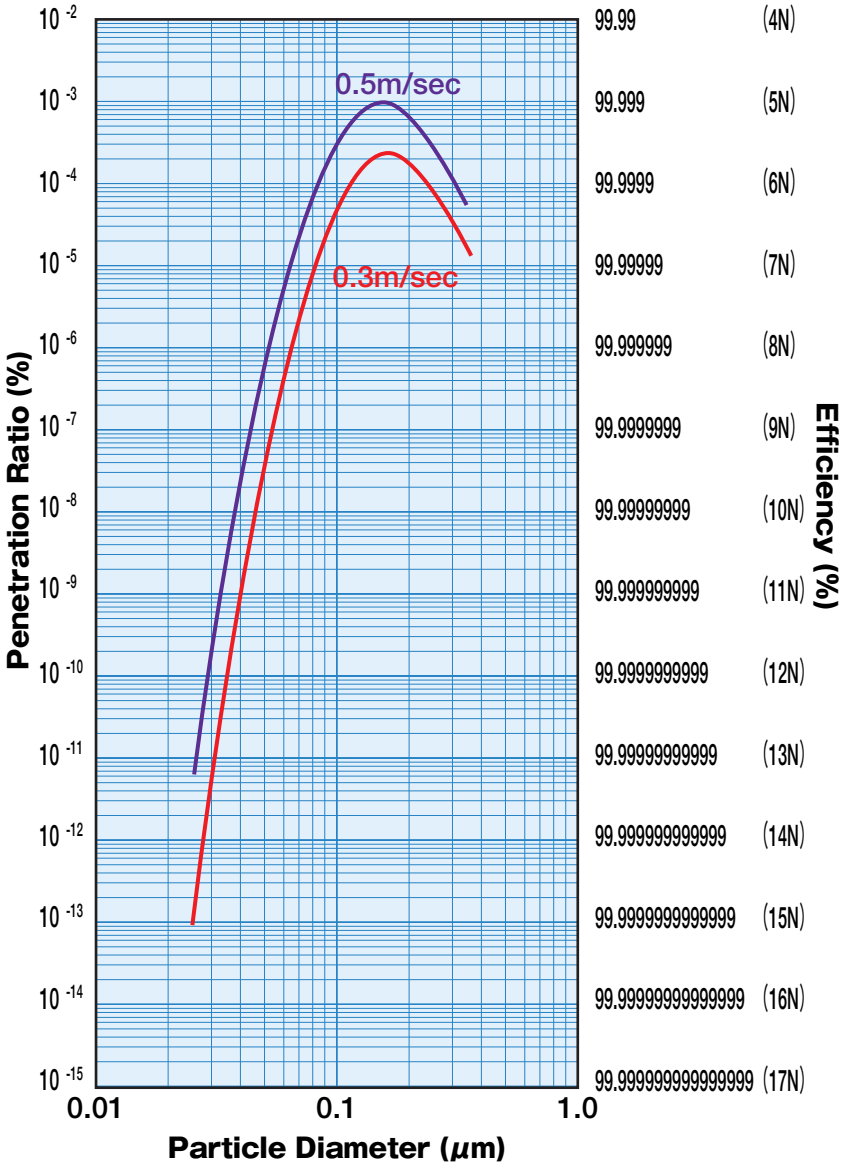
Absolute Filter Ⅱ
THINFIL (Low Profile) Mini-Pleat ULPA Filter

ABSOLUTE FILTER Ⅱ THINFIL MINIPLEAT

Model	2T-□□
Test Criteria	0.1-0.2μm
Efficiency	99.999% (at 0.5 m/s)
Scan Tested	

- Several models and types, including custom sizes available
- Low pressure drop / low power consumption

Efficiency by Particle Diameter



Indicates efficiency at varied airflow volumes
(Lowered airflow volume increases efficiency)

Model Designators

2T-□□

- Depth Designator
  - E : 35 mm
  - No Designator : 50 mm
  - LP : 65 mm
  - A : 80 mm
  - M : 100 mm
- Product Code
- THINFIL Designator
- Absolute Filter Ⅱ Designator

Standard Specifications

Model #	Rated Airflow Volume (m^3/min)	Pressure Drop (Pa)		External Dimensions (mm)			Weight (kg)
		Initial Max	Final	Height	Width	Depth	
2T-50E	0.44	127	294	203	203	35	0.5
2T-110E	1.1			305	305		0.8
2T-320E	2.3			610	305		1.3
2T-600E	5.0			610	610		2.1
2T-320	3.3	147		610	305	50	1.6
2T-600	7.0			610	610		2.6
2T-830	8.9			610	762		3.2
2T-980	10.7			610	915		3.7
2T-320LP	4.7	147		610	305	65	2.0
2T-600LP	10.0			610	610		3.3
2T-830LP	12.7			610	762		4.0
2T-980LP	15.3			610	915		4.7
2T-320A	4.7	132		610	305	80	2.3
2T-600A	10.0			610	610		3.8
2T-830A	12.7			610	762		4.6
2T-980A	15.3			610	915		5.4
2T-320M	4.7	108		610	305	100	3.0
2T-600M	10.0			610	610		5.1
2T-830M	12.7			610	762		6.2
2T-980M	15.3			610	915		7.3

Custom sizes available. Please contact us for more information.

Component Materials / Usage Specifications

Models		All
Component Materials	Media	Glass Fiber
	Separator	Hot Melt Resin
	Frame	Aluminum
	Frame Finish	Anodized Aluminum + Clear Acrylic Coating
	Sealant	Urethane Resin
	Gasket	Chloroprene
Usage Specifications	Max. Continuous Operation Temperature (℃)	60
	Max. Peak Humidity (%RH at 0 Condensation)	100

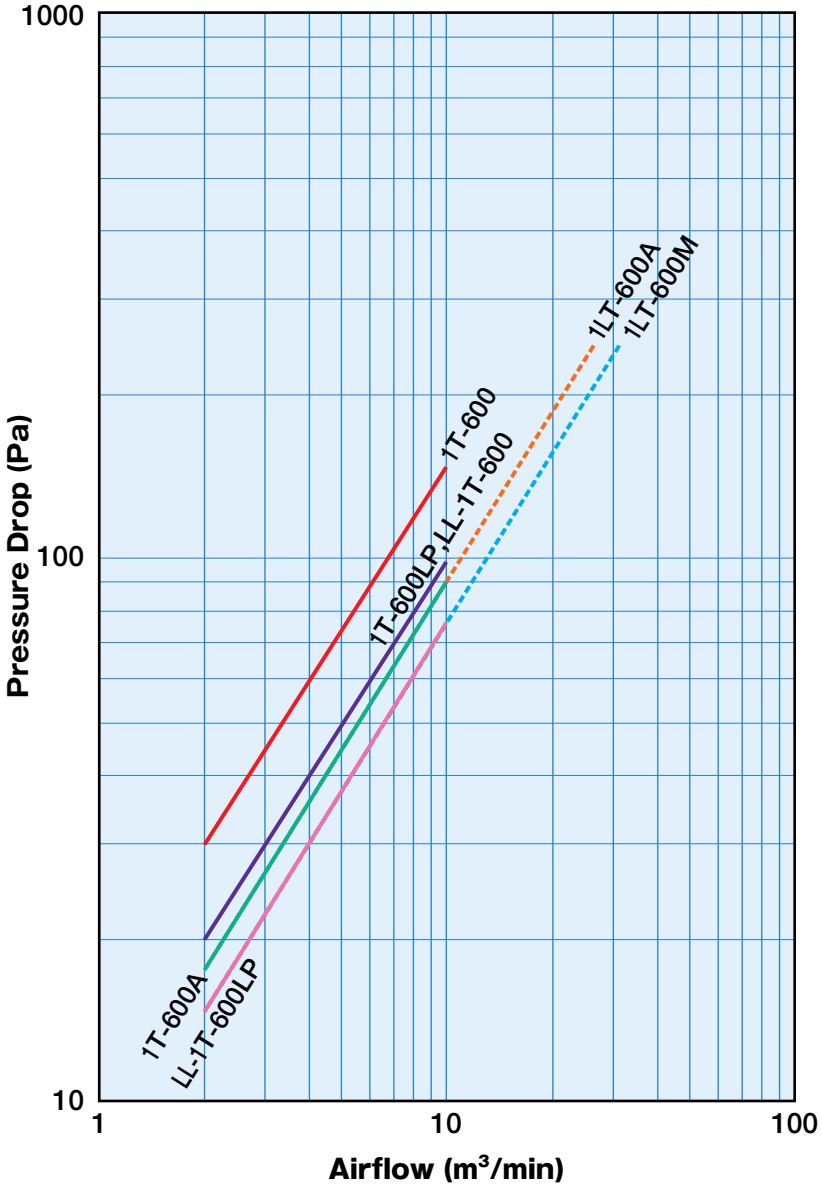
Absolute Filter
THINFIL (Low Profile) Mini-Pleat HEPA Filter

ABSOLUTE FILTER THINFIL MINIPLEAT

- Space Saving, Lightweight Design
- Compact, Low Profile and easy to handle

Model	1T-□□	
Test Criteria	Standard	Silver Seal
	0.3μm	
Efficiency	99.97%+	99.99%+
Scan Tested	–	✓

Pressure Drop (Initial)



Model Designators

1 T - □ □

- Depth Designator
  - E : 35 mm
  - No Designator : 50 mm
  - LP : 65 mm
  - A : 80 mm
  - M : 100 mm
- Product Code
- THINFIL Designator
- Absolute Filter Designator

Scan Tested Filters (Silver Seal) Sample Model Numbers

1T-600ES
1T-600S
1T-600SLP
1T-600AS
1T-600MS

Standard Specifications

Applicable to both Standard and "Silver Seal" Filters

Model	Rated Airflow Volume (m^3/min)	Pressure Drop (Pa)		External Dimensions (mm)			Weight (kg)
		Initial Max	Final	Height	Width	Depth	
1T-50E	0.44	83	294	203	203	35	0.5
1T-110E	1.1			305	305		0.8
1T-320E	2.3			610	305		1.3
1T-600E	5.0			610	610		2.1
1T-320	4.7	147		610	305	50	1.5
1T-600	10.0			610	610		2.5
1T-830	12.7			610	762		3.0
1T-980	15.3			610	915		3.5
1T-320LP	4.7	98		610	305	65	2.0
1T-600LP	10.0			610	610		3.3
1T-830LP	12.7			610	762		4.0
1T-980LP	15.3			610	915		4.7
1T-320A	4.7	88		610	305	80	2.3
1T-600A	10.0			610	610		3.9
1T-830A	12.7			610	762		4.7
1T-980A	15.3			610	915		5.5
1T-320M	4.7	74		610	305	100	3.0
1T-600M	10.0			610	610		5.1
1T-830M	12.7			610	762		6.2
1T-980M	15.3			610	915		7.3

Custom sizes available. Please contact us for more information.

High Airflow Volume

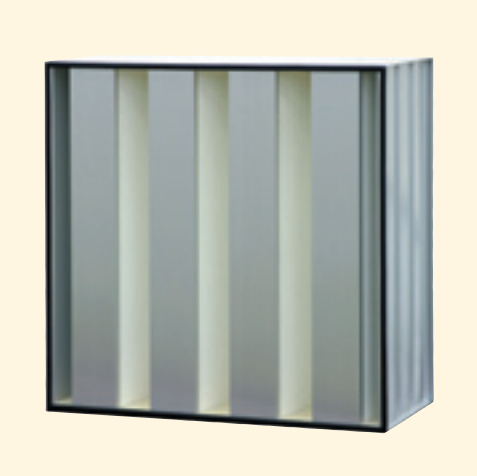
LL-Type available in 99.97% efficiency only. Standard and "Silver Seal" 1LT Filters available.

Model	Rated Airflow Volume (m^3/min)	Pressure Drop (Pa)		External Dimensions (mm)			Weight (kg)
		Initial Max	Final	Height	Width	Depth	
LL-1T-320	4.7	98	294	610	305	50	1.7
LL-1T-600	10.0			610	610		2.8
LL-1T-830	12.7			610	762		3.4
LL-1T-980	15.3			610	915		4.0
LL-1T-320LP	4.7	78		610	305	65	2.1
LL-1T-600LP	10.0			610	610		3.6
LL-1T-830LP	12.7			610	762		4.3
LL-1T-980LP	15.3			610	915		5.1
1LT-320A	12.8	249	498	610	305	80	2.3
1LT-600A	27.0			610	610		3.9
1LT-830A	34.1			610	762		4.7
1LT-980A	41.2			610	915		5.5
1LT-320M	15.1	249		610	305	100	3.0
1LT-600M	32.0			610	610		5.1
1LT-830M	40.0			610	762		6.2
1LT-980M	48.8			610	915		7.3

Custom sizes available. Please contact us for more information.

Component Materials / Usage Specifications

Models		All
Component Materials	Media	Glass Fiber
	Separator	Hot Melt Resin
	Frame	Aluminum
	Frame Finish	Anodized Aluminum + Clear Acrylic Coating
	Sealant	Urethane Resin
	Gasket	Chloroprene
Usage Specifications	Max. Continuous Operation Temperature (℃)	60
	Max. Peak Humidity (%RH at 0 Condensation)	100



Absolute Filter V Bank

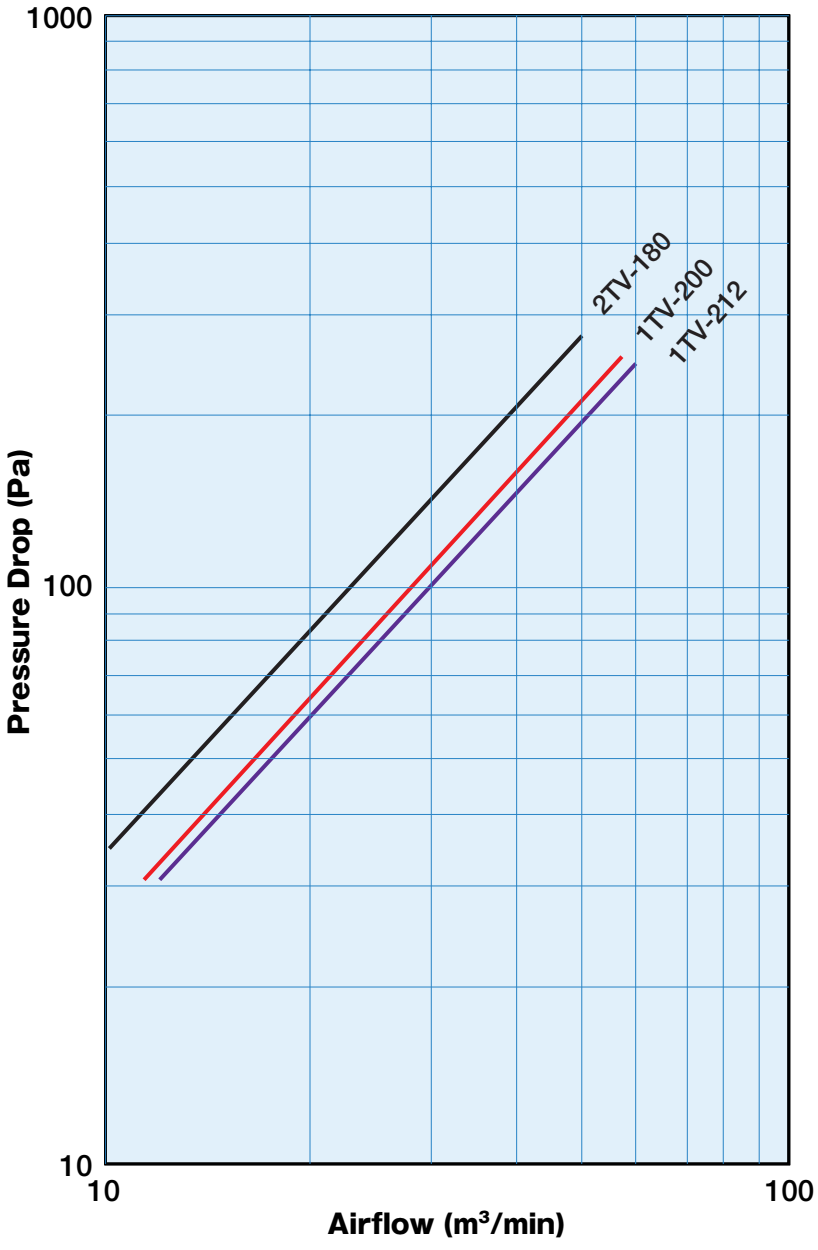
High Airflow Volume V Type Filter
Mini-Pleat ULPA Filter

- High Airflow Capacity
- Compact Design
- High-Strength Aluminum Frame
- Available with GLASS GIGA, GIGA MASTER, ULPA or HEPA media
- Rated airflow volume is equivalent to Medium/High Efficiency Filters; retro-fitting not required

ABSOLUTE FILTER V BANK

Model	1TV-□	2TV-□
Test Criteria	0.3μm	0.1-0.2μm
Efficiency	99.97%+ / 99.99%+	99.999%+

Pressure Drop (Initial)



Model Designators

□ TV - □

- Product Code
- Absolute Filter V Bank Designator
- Arrestance Efficiency Designator
  - 1 : Absolute Filter
  - 2 : Absolute Filter II

Standard Specifications

Model	Rated Airflow Volume (m^3/min)	Pressure Drop (Pa)		External Dimensions (mm)			Efficiency (%)	Weight (kg)
		Initial Max	Final	Height	Width	Depth		
1TV-200	56.6	249	498	610	610	292	99.99+	15
1TV-212	60.0						99.97+	
2TV-180	50.0	275	550				99.999+	
1TV-100	28.3	249	498	305	610	292	99.99+	8
1TV-106	30.0						99.97+	
2TV- 90	25.0	275	550				99.999+	

Half Size: Vertical or horizontal installation types available.

Component Materials / Usage Specifications

Model		□TV-□
Component Materials	Media	Glass Fiber
	Separator	Hot Melt Resin
	Frame	Aluminum
	Frame Finish	Anodized Aluminum + Clear Acrylic Coating
	Sealant	Urethane Resin
	Gasket	EPDM
Usage Specifications	Max. Continuous Operation Temperature (℃)	60
	Max. Peak Humidity (%RH at 0 Condensation)	100

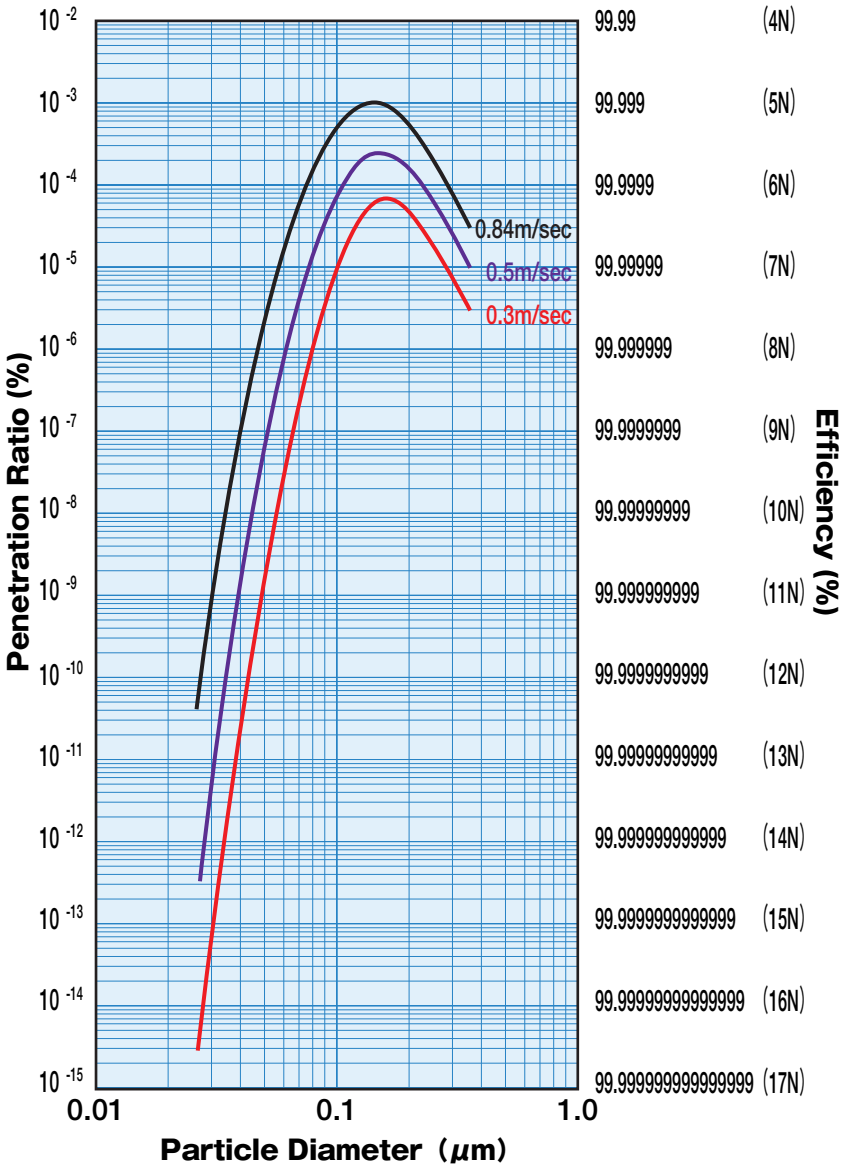
Absolute Filter Ⅱ
Separator ULPA Filter
Standard / LP Type (Low Pressure Drop)

- Several models and types, including custom sizes are available to match your application.
- Each Cambridge ULPA filter is subjected to a rigorous scan test to guarantee a leak-free, efficient filter.
- Low pressure drop/low power consumption

ABSOLUTE FILTER Ⅱ

Model	2□-□	2□-□LP
	Standard	Low Pressure Drop
Test Criteria	0.1-0.2μm	
Efficiency	99.999%+	
	Scan Tested	

Efficiency by Particle Diameter



Indicates efficiency at varied airflow volumes
(Lowered airflow volume increases arrestance efficiency)

Model Designators

2□-□

- Product Code
- Model/Component Type: See Component Materials/Usage Specifications Table
- Absolute Filter II Designator

2□-□LP

- Low Pressure Drop Designator
- Product Code
- Model/Component Type: See Component Materials/Usage Specifications Table
- Absolute Filter II Designator

Standard Specifications

Model	Rated Airflow Volume (m^3/min)	Pressure Drop (Pa)		External Dimensions (mm)			Weight (kg)
		Initial Max	Final	Height	Width	Depth	
2□-25	0.7	249	498	203	203	80	0.8
2□-20	0.2			101	101	150	0.6
2□-50	1.3			203	203		1.3
2□-110	3.5			305	305		2.1
2□-600	17			610	610		5.6
2□-830	22			610	762		6.8
2□-980	26			610	915		7.9
2□-200	6			305	305	292	4.5
2□-450	13			610	305		7.2
2□-1000	28			610	610		12.0
2□-1250	35			610	762		14.3

Custom sizes available. Please contact us for more information.

Low Pressure Drop Type

Model	Rated Airflow Volume (m^3/min)	Pressure Drop (Pa)		External Dimensions (mm)			Weight (kg)
		Initial Max	Final	Height	Width	Depth	
2□-50LP	1.3	157	498	203	203	150	1.3
2□-110LP	3.5			305	305		2.3
2□-320LP	8			610	305		3.8
2□-600LP	17			610	610		6.4
2□-830LP	21			610	762		7.7
2□-980LP	26			610	915		9.0

Custom sizes available. Please contact us for more information.

Component Materials / Usage Specifications

Model		A	BA	D	EA
Component Materials	Media	Glass Fiber			
	Separator	Paper		Aluminum	
	Frame	Plywood	Aluminum	Plywood	Aluminum
	Frame Finish	Clear Acrylic Coating	Anodized Aluminum + Clear Acrylic Coating	Clear Acrylic Coating	Anodized Aluminum + Clear Acrylic Coating
	Sealant	Urethane Resin			
	Gasket	Chloroprene			
Usage Specifications	Max. Continuous Operation Temperature (℃)	60			
	Max. Peak Humidity (%RH at 0 Condensation)	85		100	

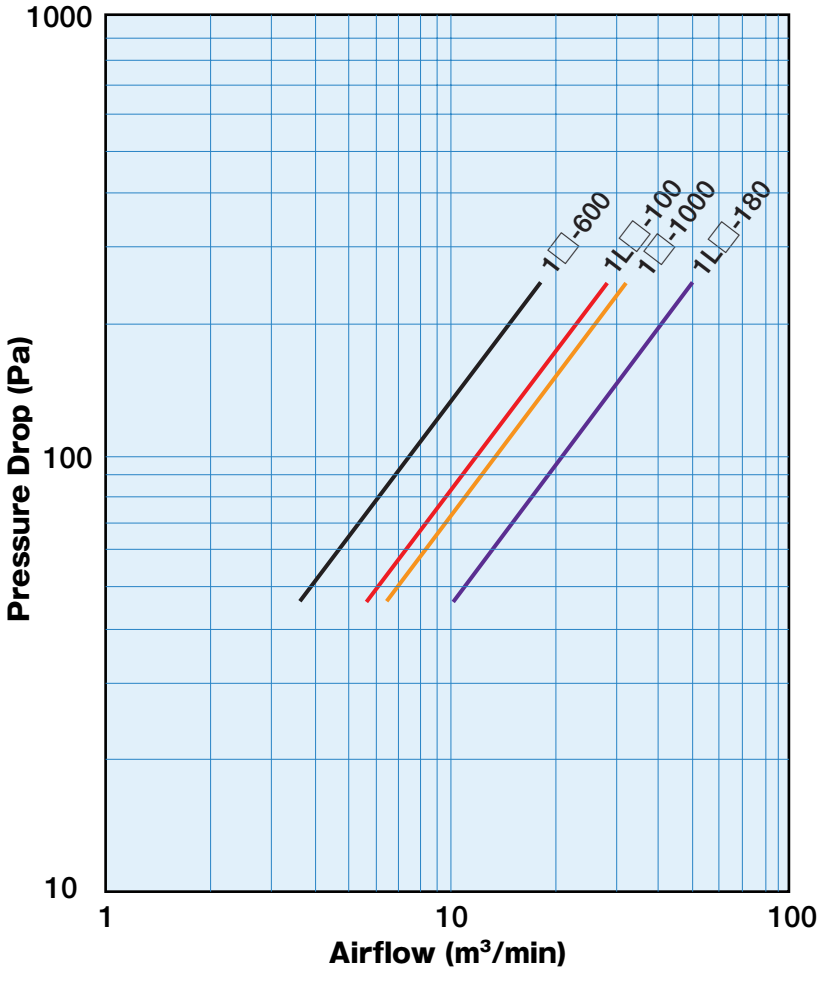
- Several models and types, including custom sizes are available to match your application.
- Space-Saving
- High Airflow Volume
- Low pressure drop/low power consumption

Absolute Filter
Separator HEPA Filter
Standard / L Type (High Airflow Volume)

ABSOLUTE FILTER

For General Applications	Model	1□-□	1L□-□
		Standard	High Airflow Volume
	Test Criteria	0.3μm	
	Efficiency	99.97%+ / 99.99%+	
		Scan Tested	
For Nuclear Facilities	Test Criteria	0.3μm	
	Efficiency	99.97%+	
JIS Z 4812 Certified	Test Criteria	0.15μm	
	Efficiency	99.97%+	

Pressure Drop (Initial)



Model Designators

1 □ - □

- Product Code
- Model/Component Type: See Component Materials/Usage Specifications Table
- Absolute Filter Designator

1 L □ - □

- Product Code
- Model/Component Type: See Component Materials/Usage Specifications Table
- High Airflow Volume Designator
- Absolute Filter Designator

Standard Specifications

Pressure Drop values in ( ) apply to JIS Z 4812 certified models

Model	Rated Airflow Volume (m^3/min)	Pressure Drop (Pa)		External Dimensions (mm)			Weight (kg)
		Initial Max	Final	Height	Width	Depth	
1□-25	0.8	249 (250)	498 (500)	203	203	80	0.8
1□-20	0.3			101	101	150	0.6
1□-50	1.5			203	203		1.5
1□-110	3.9			305	305		2.5
1□-600	18			610	610		6.5
1□-830	22			610	762		7.8
1□-980	26			610	915		9.1
1□-200	6.4			305	305	292	4.9
1□-450	15			610	305		7.8
1□-1000	32			610	610		12.9
1□-1250	40			610	762		15.5

Custom sizes available. Please contact us for more information.

High Airflow Volume

Pressure Drop values in ( ) apply to JIS Z 4812 certified models

Model	Rated Airflow Volume (m^3/min)	Pressure Drop (Pa)		External Dimensions (mm)			Weight (kg)
		Initial Max	Final	Height	Width	Depth	
1L□-10	2.2	249 (250)	498 (500)	203	203	150	1.5
1L□-20	6			305	305		2.5
1L□-40	12			610	305		3.9
1L□-100	28			610	610		6.2
1L□-130	36			610	762		7.5
1L□-150	42			610	915		8.7
1L□-35	10			305	305	292	4.9
1L□-75	22			610	305		7.7
1L□-180	50			610	610		12.8
1L□-210	60			610	762		15.3

Please contact us regarding applications for A, BA and J Types, and custom sizes.

Component Materials / Usage Specifications

EE / EU / H Types JIS Z 4812 certified

Model		A	BA	D	EA
Component Materials	Media	Glass Fiber			
	Separator	Paper		Aluminum	
	Frame	Plywood	Aluminum	Plywood	Aluminum
	Frame Finish	—	Anodized Aluminum + Clear Acrylic Coating	—	Anodized Aluminum + Clear Acrylic Coating
	Sealant	Urethane Resin			
	Gasket	Chloroprene			
Usage Specifications	Max. Continuous Operation Temperature (℃)	80			
	Max. Peak Humidity (%RH at 0 Condensation)	85		100	

Model		EE	EU	H	J
Component Materials	Media	Glass Fiber			
	Separator	Aluminum			Plastic
	Frame	Steel Plate	Stainless Steel	Fire Resistant Plywood	Plywood
	Frame Finish	Chrome-Plated steel	—		
	Sealant	Urethane Resin			
	Gasket	Chloroprene			
Usage Specifications	Max. Continuous Operation Temperature (℃)	80			60
	Max. Peak Humidity (%RH at 0 Condensation)	100			