

HEPA filters



HEPA filters are characterized by their combination of innovative design and proven technology. HEPA stands for High Efficiency Particle Air filter. The use of high quality materials enables these filters to provide an extremely high air quality. On completion of the assembly process, each individual filter is tested in accordance to the EN1822 standard.

HEPA filter construction and the materials used are subject to continuous development, which yields increasingly lower resistance and therefore reduced energy consumption. The filter media are made of a glass microfiber sheet.

This ensures consistent performance and enabling the use of these filters in highly critical environments, such as in hospitals and the nuclear industry.

Advantages of HEPA filters

- Consistent performance
- Large filter surface
- Every single product is tested in compliance with EN1822
- Robust construction helps prevent damage during transportation and fitting
- Low energy consumption, thanks to smart pleating methods
- Proven quality, even in critical environments

Construction

HEPA filters are constructed in various ways, depending on their application with the lowest possible resistance for each model, thus helping to reduce your energy costs. We supply the following types of HEPA filters:

Turbulent flow filters

This type of HEPA filter is mostly used in circumstances with few requirements relating to the airflow's laminarity, but high air quality standards apply. These filters have a high flow rate, thanks to the application of efficient deep-pleating methods. The construction methods applied vary for the following model types:

A: Standard model

These filters have nominal capacities, which serve as a base for the system design. Application of the deep-pleating method makes for low resistance at relatively low cost. The filter surface may be up to fifty times larger than its front area.

B: High capacity model

These HEPA filters have an even lower air resistance and a higher flow rate. They operate on V-shaped filter packages which are inserted in the filter. This method creates a filter area that is twice as large and a doubled flow rate in comparison to those of the standard model.

Laminar flow filters

HEPA filters with a laminar flow are widely applied in cleanrooms, where high air quality standards are essential. These have a lower flow rate than the turbulent flow filters. Laminar flow filters guarantee greater cleanliness in the cleanroom, thanks to aspects including the use of high quality filter paper and innovative pleating techniques.

HEPA filters are available in standard sizes varying from 68 to 110 mm in thicknesses, while the pleat package has a maximum height to achieve low resistance.



Applications

HEPA filters are used in hospitals and various other sectors, including the nuclear, food processing and semiconductor industries. HEPA filters are highly reliable, as they are subjected to strict quality checks and extensive testing.

Installation

It is essential that the following rules be observed when installing HEPA filters:

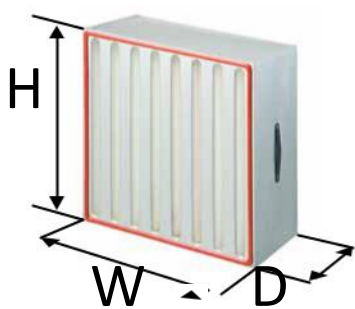
- Avoid touching the pleat package, as this may cause damage
- Ensure that every HEPA filter is validated following installation, to ensure that it is correctly fitted and devoid of damage
- Keep copies or test reports on the filters, and maintain suitable records of the test reports, stickers, resistances and validation reports
- Ensure that the flow rate of HEPA filters is never exceeded by more than 25%. Such excesses may cause performance deterioration or even damage the filter
- When fitting, ensure that the frames and filters are clean and that gaskets and any other seals are completely intact
- Use suitable protective equipment at all times, even when replacing used filters
- Maintain filter installation records; note the date, type and initial resistance



Turbulent HEPA filters

Explanation product numbers HVG

HVG	1	1	10	N	B	E	M
	1	2	3	4	5	6	7



Turbulent flow HEPA filters
Numbers correspond with numbers in the product number.

1	Type	
	HVG V-Banked, galvanized steel frame	
	HCG High capacity V-Banked, galvanized steel frame	
	HVS V-Banked, stainless steel frame	
	HCS High capacity V-Banked, stainless steel frame	
	HPM MDF framework	
	HPG Galvanized steel frame	
2	Spacer	
	1 Hotmelt	
	2 Aluminum (available for HPM, HPG)	
3	Gasket	
	0 No gasket	
	1 Foamed polyurethane on one side	
	2 Foamed polyurethane on both sides	
	3 Flat neoprene gasket on one side	
	4 Flat neoprene gasket on both sides	
	9 Flat gasket on the outside of the frame	
4	Filter class	
	10 E10	
	11 E11	
	13 H13	
	14 H14	
5	Grid	
	N No grid	
	S Single aluminum grid D	
	Double aluminum grid	
6	Height (mm)	7 Width (mm)
	A 288	A 288
	B 305	B 305
	C 457	C 457
	D 592	D 592
	E 610	E 610
	F 762	F 762
	K 380	K 380
	L 210	L 210
	M 490	M 490
	N 402	N 402
	Other sizes on request	Other sizes on request
8	Frame Thickness (mm)	
	L 150 mm	
	M 292 mm	
	Other sizes on request	

HEPA filters

HEPA HPM-series



Specifications

Application: Cleanrooms, asbestos remediation, operating rooms

Frame: MDF

Spacers: Aluminium

Bonding: 2 component polyurethane

Medium: Glass fibre paper

Gasket: Continuous poured gasket

Filter class according to EN1822: E10, E11, H13, H14

Maximum final pressure drop: 500Pa

Maximum temperature: 70°C

Maximum relative humidity: 90%

Advantages

- Filters with the classification H13 & H14 are delivered with a test certificate

Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HPM2110NBBM	305x305x292	E10	4.6	500	125	311x313x311
HPM2110NCCM	457x457x292	E10	11.3	1120	125	475x475x323
HPM2110NBEM	305x610x292	E10	9.7	1000	125	620x310x315
HPM2110NCEM	457x610x292	E10	15.4	1500	125	620x310x620
HPM2110NEEM	610x610x292	E10	21.1	2000	125	620x310x620
HPM2110NEFM	610x762x292	E10	26.7	2500	125	778x325x626
HPM2110NADM	288x592x292	E10	8.8	900	125	620x310x315
HPM2110NDDM	592x592x292	E10	19.8	1850	125	618x313x618
HPM2111NBBM	305x305x292	E11	4.6	500	140	311x313x311
HPM2111NCCM	457x457x292	E11	11.3	1120	140	475x475x323
HPM2111NBEM	305x610x292	E11	9.7	1000	140	620x310x315
HPM2111NCEM	457x610x292	E11	15.4	1500	140	620x310x620
HPM2111NEEM	610x610x292	E11	21.1	2000	140	620x310x620
HPM2111NEFM	610x762x292	E11	26.7	2500	140	778x325x626
HPM2111NADM	288x592x292	E11	8.8	900	140	620x310x315
HPM2111NDDM	592x592x292	E11	19.8	1850	140	618x313x618
HPM2113NBBM	305x305x292	H13	4.6	500	250	311x313x311
HPM2113NCCM	457x457x292	H13	11.3	1120	250	475x475x323
HPM2113NBEM	305x610x292	H13	9.7	1000	250	620x310x315
HPM2113NCEM	457x610x292	H13	15.4	1500	250	620x310x620
HPM2113NEEM	610x610x292	H13	21.1	2000	250	620x310x620
HPM2113NEFM	610x762x292	H13	26.7	2500	250	778x325x626
HPM2113NADM	288x592x292	H13	8.8	900	250	620x310x315
HPM2113NDDM	592x592x292	H13	19.8	1850	250	618x313x618
HPM2114NBBM	305x305x292	H14	4.6	500	280	311x313x311
HPM2114NCCM	457x457x292	H14	11.3	1120	280	475x475x323
HPM2114NBEM	305x610x292	H14	9.7	1000	280	620x310x315
HPM2114NCEM	457x610x292	H14	15.4	1500	280	620x310x620
HPM2114NEEM	610x610x292	H14	21.1	2000	280	620x310x620
HPM2114NEFM	610x762x292	H14	26.7	2500	280	778x325x626
HPM2114NADM	288x592x292	H14	8.8	900	280	620x310x315
HPM2114NDDM	592x592x292	H14	19.8	1850	280	618x313x618
HPM2110NBBL	305x305x150	E10	2.3	225	125	320x165x320
HPM2110NCCL	457x457x150	E10	8.4	500	125	475x165x475
HPM2110NBEL	305x610x150	E10	4.8	450	125	313x618x166
HPM2110NCEL	457x610x150	E10	7.6	675	125	465x618x166
HPM2110NEEL	610x610x150	E10	10.5	900	125	625x165x625
HPM2110NEFL	610x762x150	E10	13.3	1125	125	628x780x181

HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA filters

HEPA HPM-series continued



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HPM2111NBBL	305x305x150	E11	2.3	225	140	320x165x320
HPM2111NCCL	457x457x150	E11	8.4	500	140	475x165x475
HPM2111NBEL	305x610x150	E11	4.8	450	140	313x618x166
HPM2111NCEL	457x610x150	E11	7.6	675	140	465x618x166
HPM2111NEEL	610x610x150	E11	10.5	900	140	625x165x625
HPM2111NEFL	610x762x150	E11	13.3	1125	140	628x780x181
HPM2113NBBL	305x305x150	H13	2.3	225	250	320x165x320
HPM2113NCCL	457x457x150	H13	8.4	500	250	475x165x475
HPM2113NBEL	305x610x150	H13	4.8	450	250	313x618x166
HPM2113NCEL	457x610x150	H13	7.6	675	250	465x618x166
HPM2113NEEL	610x610x150	H13	10.5	900	250	625x165x625
HPM2113NEFL	610x762x150	H13	13.3	1125	250	628x780x181
HPM2114NBBL	305x305x150	H14	2.3	225	280	320x165x320
HPM2114NCCL	457x457x150	H14	8.4	500	280	475x165x475
HPM2114NBEL	305x610x150	H14	4.8	450	280	313x618x166
HPM2114NCEL	457x610x150	H14	7.6	675	280	465x618x166
HPM2114NEEL	610x610x150	H14	10.5	900	280	628x165x625
HPM2114NEFL	610x762x150	H14	13.3	1125	280	628x780x181

HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA filters

HEPA HVG/HCG-series E10 | E11 | H13 | H14



Specifications

Application: Cleanrooms, asbestos remediation, operating rooms

Frame: Galvanized steel

Spacers: Hotmelt

Bonding: 2 component polyurethane

Medium: Glass fibre paper

Gasket: Continuous poured gasket

Filter class according to EN1822: E10, E11, H13, H14

Maximum final pressure drop: 500Pa

Maximum temperature: 70°C

Maximum relative humidity: 90%

Advantages

- Low pressure drop
- High airflows
- Filters with the classification H13 & H14 are delivered with a test certificate

Options

- ATEX and High Temperature

Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HVG1110NBBM	305x305x292	E10	9.3	900	125	311x313x311
HVG1110NBEM	305x610x292	E10	18.5	1750	125	620x310x315
HVG1110NCEM	457x610x292	E10	27.8	2250	125	473x310x626
HVG1110NEEM	610x610x292	E10	37.0	3750	125	620x310x620
HVG1110NEFM	610x762x292	E10	46.3	4250	125	778x325x626
HCG1110NBBM	305x305x292	E10	10.1	1000	125	311x313x311
HCG1110NBEM	305x610x292	E10	20.2	2000	125	620x310x315
HCG1110NCEM	457x610x292	E10	30.2	3000	125	473x310x626
HCG1110NEEM	610x610x292	E10	40.3	4000	125	620x310x620
HCG1110NEFM	610x762x292	E10	50.4	5000	125	778x325x626
HVG1110NADM	288x592x292	E10	18.0	1550	125	606x308x301
HVG1110NCDM	457x592x292	E10	27.0	2650	125	496x598x318
HVG1110NDDM	592x592x292	E10	36.0	3200	125	606x308x606
HVG1111NBBM	305x305x292	E11	9.3	900	140	311x313x311
HVG1111NBEM	305x610x292	E11	18.5	1750	140	620x310x315
HVG1111NCEM	457x610x292	E11	27.8	2250	140	473x310x626
HVG1111NEEM	610x610x292	E11	37.0	3750	140	620x310x620
HVG1111NEFM	610x762x292	E11	46.3	4250	140	778x325x626
HCG1111NBBM	305x305x292	E11	10.1	1000	140	311x313x311
HCG1111NBEM	305x610x292	E11	20.2	2000	140	620x310x315
HCG1111NCEM	457x610x292	E11	30.2	3000	140	473x310x626
HCG1111NEEM	610x610x292	E11	40.3	4000	140	620x310x620
HCG1111NEFM	610x762x292	E11	50.4	5000	140	778x325x626
HVG1111NADM	288x592x292	E11	18.0	1550	140	606x308x301
HVG1111NCDM	457x592x292	E11	27.0	2650	140	496x598x318
HVG1111NDDM	592x592x292	E11	36.0	3200	140	606x308x606
HVG1113NBBM	305x305x292	H13	9.3	900	250	311x313x311
HVG1113NBEM	305x610x292	H13	18.5	1750	250	620x310x315
HVG1113NCEM	457x610x292	H13	27.8	2250	250	473x310x626
HVG1113NEEM	610x610x292	H13	37.0	3750	250	620x310x620
HVG1113NEFM	610x762x292	H13	46.3	4250	250	778x325x626
HCG1113NBBM	305x305x292	H13	10.1	1000	250	311x313x311
HCG1113NBEM	305x610x292	H13	20.2	2000	250	620x310x315
HCG1113NCEM	457x610x292	H13	30.2	3000	250	473x310x626
HCG1113NEEM	610x610x292	H13	40.3	4000	250	620x310x620
HCG1113NEFM	610x762x292	H13	50.4	5000	250	778x325x626
HVG1113NADM	288x592x292	H13	18.0	1550	250	626x308x301
HVG1113NCDM	457x592x292	H13	27.0	2650	250	496x598x318

The HEPA filters are checked for leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA filters

HEPA HVG/HCG-series continued

E10

E11

H13

H14



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HVG1113NDDM	592x592x292	H13	36.0	3200	250	606x308x606
HVG1114NBBM	305x305x292	H14	9.3	900	280	311x313x311
HVG1114NBEM	305x610x292	H14	18.5	1750	280	620x310x315
HVG1114NCEM	457x610x292	H14	27.8	2250	280	473x310x626
HVG1114NEEM	610x610x292	H14	37.0	3750	280	620x310x620
HVG1114NEFM	610x762x292	H14	46.3	4250	280	778x325x626
HCG1114NBBM	305x305x292	H14	10.1	1000	280	311x313x311
HCG1114NBEM	305x610x292	H14	20.2	2000	280	620x310x315
HCG1114NCEM	457x610x292	H14	30.2	3000	280	473x310x626
HCG1114NEEM	610x610x292	H14	40.3	4000	280	620x310x620
HCG1114NEFM	610x762x292	H14	50.4	5000	280	778x325x626
HVG1114NADM	288x592x292	H14	18.0	1550	280	606x308x301
HVG1114NCDM	457x592x292	H14	27.0	2650	280	496x598x318
HVG1114NDDM	592x592x292	H14	36.0	3200	280	606x308x606

The HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA HCS/HVS-series



Specifications

Application: Cleanrooms, asbestos remediation, operating rooms

Frame: Stainless steel (RVS)

Spacers: Hotmelt

Bonding: 2 component polyurethane

Medium: Glass fibre paper

Gasket: Continuous poured gasket

Filter class according to EN1822: E10, E11, H13, H14

Maximum final pressure drop: 500Pa

Maximum temperature: 70°C

Maximum relative humidity: 90%

Advantages

- Low pressure drop
- High airflows
- Filters with the classification H13 & H14 are delivered with a test certificate

Options

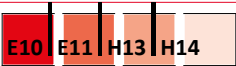
- High Temperature

Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HVS1110NBBM	305x305x292	E10	9.3	900	125	311x313x311
HVS1110NBEM	305x610x292	E10	18.5	1750	125	620x310x315
HVS1110NCEM	457x610x292	E10	27.8	2250	125	463x616x318
HVS1110NEEM	610x610x292	E10	37.0	3750	125	620x310x620
HVS1110NEFM	610x762x292	E10	46.3	4250	125	778x325x626
HCS1110NBBM	305x305x292	E10	10.1	1000	125	311x313x311
HCS1110NBEM	305x610x292	E10	20.2	2000	125	620x310x315
HCS1110NCEM	457x610x292	E10	30.2	3000	125	463x616x318
HCS1110NEEM	610x610x292	E10	40.3	4000	125	620x310x620
HCS1110NEFM	610x762x292	E10	50.4	5000	125	778x325x626
HVS1110NADM	288x592x292	E10	18.0	1550	125	606x308x301
HVS1110NCDM	457x592x292	E10	27.0	2650	125	496x598x318
HVS1110NDDM	592x592x292	E10	36.0	3200	125	606x308x606
HVS1111NBBM	305x305x292	E11	9.3	900	140	311x313x311
HVS1111NBEM	305x610x292	E11	18.5	1750	140	620x310x315
HVS1111NCEM	457x610x292	E11	27.8	2250	140	463x616x318
HVS1111NEEM	610x610x292	E11	37.0	3750	140	620x310x620
HVS1111NEFM	610x762x292	E11	46.3	4250	140	778x325x626
HCS1111NBBM	305x305x292	E11	10.1	1000	140	311x313x311
HCS1111NBEM	305x610x292	E11	20.2	2000	140	620x310x315
HCS1111NCEM	457x610x292	E11	30.2	3000	140	463x616x318
HCS1111NEEM	610x610x292	E11	40.3	4000	140	620x310x620
HCS1111NEFM	610x762x292	E11	50.4	5000	140	778x325x626
HVS1111NADM	288x592x292	E11	18.0	1550	140	606x308x301
HVS1111NCDM	457x592x292	E11	27.0	2650	140	496x598x318
HVS1111NDDM	592x592x292	E11	36.0	3200	140	606x308x606
HVS1113NBBM	305x305x292	H13	9.3	900	250	311x313x311
HVS1113NBEM	305x610x292	H13	18.5	1750	250	620x310x315
HVS1113NCEM	457x610x292	H13	27.8	2250	250	463x616x318
HVS1113NEEM	610x610x292	H13	37.0	3750	250	620x310x620
HVS1113NEFM	610x762x292	H13	46.3	4250	250	778x325x626
HCS1113NBBM	305x305x292	H13	10.1	1000	250	311x313x311
HCS1113NBEM	305x610x292	H13	20.2	2000	250	620x310x315
HCS1113NCEM	457x610x292	H13	30.2	3000	250	463x616x318
HCS1113NEEM	610x610x292	H13	40.3	4000	250	620x310x620
HCS1113NEFM	610x762x292	H13	50.4	5000	250	778x325x626
HVS1113NADM	288x592x292	H13	18.0	1550	250	606x308x301
HVS1113NCDM	457x592x292	H13	27.0	2650	250	496x598x318

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HEPA filters

HEPA HCS/HVS-series continued



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m²)	Airflow (m³/h)	Pressure drop (Pa)	Dimensions box (mm)
HVS1113NDDM	592x592x292	H13	36.0	3200	250	606x308x606
HVS1114NBBM	305x305x292	H14	9.3	900	280	311x313x311
HVS1114NBEM	305x610x292	H14	18.5	1750	280	620x310x315
HVS1114NCEM	457x610x292	H14	27.8	2250	280	463x616x318
HVS1114NEEM	610x610x292	H14	37.0	3750	280	620x310x620
HVS1114NEFM	610x762x292	H14	46.3	4250	280	778x325x626
HCS1114NBBM	305x305x292	H14	10.1	1000	280	311x313x311
HCS1114NBEM	305x610x292	H14	20.2	2000	280	620x310x315
HCS1114NCEM	457x610x292	H14	30.2	3000	280	463x616x318
HCS1114NEEM	610x610x292	H14	40.3	4000	280	620x310x620
HCS1114NEFM	610x762x292	H14	50.4	5000	280	778x325x626
HVS1114NADM	288x592x292	H14	18.0	1550	280	606x308x301
HVS1114NCDM	457x592x292	H14	27.0	2650	280	496x598x318
HVS1114NDDM	592x592x292	H14	36.0	3200	280	606x308x606

The HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA filters

HEPA HPG-series

E10 **E11** **H13** **H14**



Specifications

Application: Cleanrooms, asbestos remediation, operating rooms

Frame: Galvanized steel

Spacers: Aluminium

Bonding: 2 component polyurethane

Medium: Glass fibre paper

Gasket: Continuous poured gasket

Filter class according to EN1822: E10, E11, H13, H14

Maximum final pressure drop: 500Pa

Maximum temperature: 70°C

Maximum relative humidity: 90%

Advantages

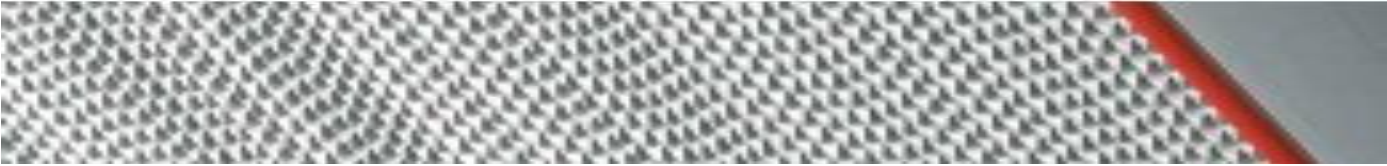
- Robust frame
- Filters with the classification H13 & H14 are delivered with a test certificate

Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HPG2110NBBM	305x305x292	E10	6.1	500	125	311x313x311
HPG2110NBEM	305x610x292	E10	12.0	1000	125	620x310x315
HPG2110NCEM	457x610x292	E10	18.1	1500	125	473x310x626
HPG2110NEEM	610x610x292	E10	24.2	2000	125	620x310x620
HPG2110NEFM	610x762x292	E10	30.2	2500	125	778x325x626
HPG2110NADM	288x592x292	E10	11.0	900	125	620x310x315
HPG2110NDDM	592x592x292	E10	22.8	1850	125	606x308x606
HPG2111NBBM	305x305x292	E11	6.1	500	140	311x313x311
HPG2111NBEM	305x610x292	E11	12.0	1000	140	620x310x315
HPG2111NCEM	457x610x292	E11	18.1	1500	140	473x310x626
HPG2111NEEM	610x610x292	E11	24.2	2000	140	620x310x620
HPG2111NEFM	610x762x292	E11	30.2	2500	140	778x325x626
HPG2111NADM	288x592x292	E11	11.0	900	140	620x310x315
HPG2111NDDM	592x592x292	E11	22.8	1850	140	606x308x606
HPG2113NBBM	305x305x292	H13	6.1	500	250	311x313x311
HPG2113NBEM	305x610x292	H13	12.0	1000	250	620x310x315
HPG2113NCEM	457x610x292	H13	18.1	1500	250	473x310x626
HPG2113NEEM	610x610x292	H13	24.2	2000	250	620x310x620
HPG2113NEFM	610x762x292	H13	30.2	2500	250	778x325x626
HPG2113NADM	288x592x292	H13	11.0	900	250	620x310x315
HPG2113NDDM	592x592x292	H13	22.8	1850	250	606x308x606
HPG2114NBBM	305x305x292	H14	6.1	500	280	311x313x311
HPG2114NBEM	305x610x292	H14	12.0	1000	280	620x310x315
HPG2114NCEM	457x610x292	H14	18.1	1500	280	473x310x626
HPG2114NEEM	610x610x292	H14	24.2	2000	280	620x310x620
HPG2114NEFM	610x762x292	H14	30.2	2500	280	778x325x626
HPG2114NADM	288x592x292	H14	11.0	900	280	620x310x315
HPG2114NDDM	592x592x292	H14	22.8	1850	280	606x308x606
HPG2110NBBL	305x305x150	E10	3.0	225	125	320x165x320
HPG2110NCCL	457x457x150	E10	6.7	500	125	475x165x475
HPG2110NBEL	305x610x150	E10	6.0	450	125	313x618x166
HPG2110NCEL	457x610x150	E10	9.0	675	125	465x618x166
HPG2110NEEL	610x610x150	E10	12.0	900	125	625x165x625
HPG2110NEFL	610x762x150	E10	15.0	1125	125	628x780x181
HPG2111NBBL	305x305x150	E11	3.0	225	140	320x165x320
HPG2111NCCL	457x457x150	E11	6.7	500	140	475x165x475
HPG2111NBEL	305x610x150	E11	6.0	450	140	313x618x166
HPG2111NCEL	457x610x150	E11	9.0	675	140	465x618x166

The HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA filters

HEPA HPG-series continued



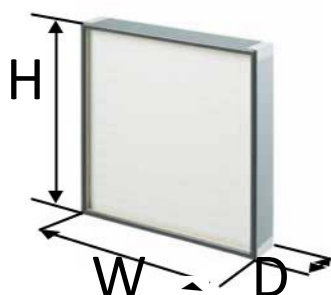
Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m²)	Airflow (m³/h)	Pressure drop (Pa)	Dimensions box (mm)
HPG2111NEEL	610x610x150	E11	12.0	900	140	625x165x625
HPG2111NEFL	610x762x150	E11	15.0	1125	140	628x780x181
HPG2113NBBL	305x305x150	H13	3.0	225	250	320x165x320
HPG2113NCCL	457x457x150	H13	6.7	500	250	475x165x475
HPG2113NBEL	305x610x150	H13	6.0	450	250	313x618x166
HPG2113NCEL	457x610x150	H13	9.0	675	250	465x618x166
HPG2113NEEL	610x610x150	H13	12.0	900	250	625x165x625
HPG2113NEFL	610x762x150	H13	15.0	1125	250	628x780x181
HPG2114NBBL	305x305x150	H14	3.0	225	280	320x165x320
HPG2114NCCL	457x457x150	H14	6.7	500	280	475x165x475
HPG2114NBEL	305x610x150	H14	6.0	450	280	313x618x166
HPG2114NCEL	457x610x150	H14	9.0	675	280	465x618x166
HPG2114NEEL	610x610x150	H14	12.0	900	280	625x165x625
HPG2114NEFL	610x762x150	H14	15.0	1125	280	628x780x181

The HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

Laminar HEPA filters

Explanation product numbers HLA

HLA	1	1	10	D	B	B	E
1	2	3	4	5	6	7	8



Laminar flow HEPA filters

Numbers correspond with numbers in the product number.

1 Type

HLA Aluminium frame
HLM MDF frame

2 Spacer

1 Hotmelt

3 Gasket

0 No gasket
1 Foamed polyurethane on one side
2 Foamed polyurethane on both sides
3 Flat neoprene gasket on one side
4 Flat neoprene gasket on both sides
5 Blade assembly for mounting in gelseal (available in frame thickness J, other thicknesses on request)
6 Gelseal (available in frame thickness H, other thicknesses on request) 9 Flat gasket on the outside of the frame

4 Filter class

10 E10
11 E11
13 H13
14 H14

5 Grid

N No grid
S Single aluminum grid
D Double aluminum grid

6 Height (mm)

A 288
B 305
C 457
D 592
E 610
F 762
G 915 not available for MDF
H 1220 not available for MDF
I 1524 not available for MDF
J 1830 not available for MDF
K 380
L 210
M 490
N 402
Other sizes on request

7 Width (mm)

A 288
B 305
C 457
D 592
E 610
F 762
G 915 not available for MDF
H 1220 not available for MDF
I 1524 not available for MDF
J 1830 not available for MDF
K 380
L 210
M 490
N 402
Other sizes on request

8 Depth (mm)

E 68 mm, available for aluminium and MDF
G 80 mm, available for aluminium and MDF H
80 mm gelseal, available for aluminium I 90
mm, available for aluminium and MDF
J 102.5 mm blade assembly, available for aluminium L
150 mm, available for aluminium and MDF
Q 110 mm, available for aluminium and MDF
Other sizes on request

HEPA filters

HEPA HLA-E series

E10

E11

H13

H14



Specifications

Application: Cleanrooms, operating rooms

Frame: Extruded aluminium

Spacers: Hotmelt

Bonding: 2 component polyurethane

Medium: Glass fibre paper

Gasket: Continuous poured gasket

Filter class according to EN1822: E10, E11, H13, H14

Maximum final pressure drop: 500Pa

Maximum temperature: 70°C

Maximum relative humidity: 90%

Advantages

- Lightweight construction
- HLA HEPA are fitted with 2 protection grids
- Filters with the classification H13 & H14 are delivered with a test certificate

Options

- High Temperature

Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1110DBBE	305x305x68	E10	2.8	150	65	311x89x311
HLA1110DCCE	457x457x68	E10	6.2	335	65	463x89x463
HLA1110DBEE	305x610x68	E10	5.5	300	65	616x89x311
HLA1110DCEE	457x610x68	E10	8.3	450	65	473x626x99
HLA1110DCBE	457x305x68	E10	4.2	225	65	473x321x99
HLA1110DEEE	610x610x68	E10	11.1	600	65	616x89x616
HLA1110DEGE	610x915x68	E10	16.6	900	65	616x89x921
HLA1110DEHE	610x1220x68	E10	22.1	1200	65	1226x89x616
HLA1110DEIE	610x1524x68	E10	27.6	1500	65	626x1540x99
HLA1110DEJE	610x1830x68	E10	33.1	1800	65	1836x89x616
HLA1110DFBE	762x305x68	E10	7.0	375	65	778x321x99
HLA1110DFEE	762x610x68	E10	13.9	750	65	778x626x99
HLA1110DFFE	762x762x68	E10	17.3	950	65	778x778x99
HLA1110DFGE	762x915x68	E10	20.7	1125	65	921x89x768
HLA1110DFHE	762x1220x68	E10	27.6	1500	65	778x1236x99
HLA1110DFIE	762x1524x68	E10	34.5	1875	65	778x1540x99
HLA1110DFJE	762x1830x68	E10	41.4	2250	65	1836x89x616
HLA1110DGBE	915x305x68	E10	8.4	450	65	931x321x99
HLA1110DGGE	915x915x68	E10	24.9	1350	65	931x108x931
HLA1110DGHE	915x1220x68	E10	33.2	1800	65	1236x89x931
HLA1110DGIE	915x1524x68	E10	41.4	2250	65	931x1540x99
HLA1110DGJE	915x1830x68	E10	49.7	2700	65	931x1846x99
HLA1111DBBE	305x305x68	E11	2.8	150	80	311x89x311
HLA1111DCCE	457x457x68	E11	6.2	335	80	463x89x463
HLA1111DBEE	305x610x68	E11	5.5	300	80	616x89x311
HLA1111DCEE	457x610x68	E11	8.3	450	80	473x626x99
HLA1111DCBE	457x305x68	E11	4.2	225	80	473x321x99
HLA1111DEEE	610x610x68	E11	11.1	600	80	616x89x616
HLA1111DEGE	610x915x68	E11	16.6	900	80	616x89x92
HLA1111DEHE	610x1220x68	E11	22.1	1200	80	1226x89x616
HLA1111DEIE	610x1524x68	E11	27.6	1500	80	626x1540x99
HLA1111DEJE	610x1830x68	E11	33.1	1800	80	1836x89x616
HLA1111DFBE	762x305x68	E11	7.0	375	80	778x321x99
HLA1111DFEE	762x610x68	E11	13.9	750	80	778x626x99
HLA1111DFFE	762x762x68	E11	17.3	950	80	778x778x99
HLA1111DFGE	762x915x68	E11	20.7	1125	80	921x89x768
HLA1111DFHE	762x1220x68	E11	27.6	1500	80	778x1236x99
HLA1111DFIE	762x1524x68	E11	34.5	1875	80	778x1540x99
HLA1111DFJE	762x1830x68	E11	41.4	2250	80	1836x89x768
HLA1111DGBE	915x305x68	E11	8.4	450	80	931x321x99
HLA1111DGGE	915x915x68	E11	24.9	1350	80	931x108x931
HLA1111DGHE	915x1220x68	E11	33.2	1800	80	1236x89x931
HLA1111DGIE	915x1524x68	E11	41.4	2250	80	931x1540x99
HLA1111DGJE	915x1830x68	E11	49.7	2700	80	931x1846x99
HLA1113DBBE	305x305x68	H13	2.8	150	120	311x89x311

HEPA filters

HEPA HLA-E series continued



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1113DCCE	457x457x68	H13	6.2	335	120	463x89x463
HLA1113DBEE	305x610x68	H13	5.5	300	120	616x89x311
HLA1113DCEE	457x610x68	H13	8.3	450	120	473x626x99
HLA1113DCBE	457x305x68	H13	4.2	225	120	473x321x99
HLA1113DEEE	610x610x68	H13	11.1	600	120	616x89x616
HLA1113DEGE	610x915x68	H13	16.6	900	120	616x89x921
HLA1113DEHE	610x1220x68	H13	22.1	1200	120	1226x89x616
HLA1113DEIE	610x1524x68	H13	27.6	1500	120	626x1540x99
HLA1113DEJE	610x1830x68	H13	33.1	1800	120	1836x89x616
HLA1113DFBE	762x305x68	H13	7.0	375	120	778x321x99
HLA1113DFEE	762x610x68	H13	13.9	750	120	778x626x99
HLA1113DFFE	762x762x68	H13	17.3	950	120	778x778x99
HLA1113DFGE	762x915x68	H13	20.7	1125	120	921x89x768
HLA1113DFHE	762x1220x68	H13	27.6	1500	120	778x1236x99
HLA1113DFIE	762x1524x68	H13	34.5	1875	120	778x1540x99
HLA1113DFJE	762x1830x68	H13	41.4	2250	120	1836x89x768
HLA1113DGBE	915x305x68	H13	8.4	450	120	931x321x99
HLA1113DGGE	915x915x68	H13	24.9	1350	120	931x108x931
HLA1113DGHE	915x1220x68	H13	33.2	1800	120	1236x89x931
HLA1113DGIE	915x1524x68	H13	41.4	2250	120	931x1540x99
HLA1113DGJE	915x1830x68	H13	49.7	2700	120	931x1846x99
HLA1114DBBE	305x305x68	H14	2.8	150	140	311x89x311
HLA1114DCCCE	457x457x68	H14	6.2	335	140	463x89x463
HLA1114DBEE	305x610x68	H14	5.5	300	140	616x89x311
HLA1114DCEE	457x610x68	H14	8.3	450	140	473x626x99
HLA1114DCBE	457x305x68	H14	4.2	225	140	473x321x99
HLA1114DEEE	610x610x68	H14	11.1	600	140	616x89x616
HLA1114DEGE	610x915x68	H14	16.6	900	140	616x89x921
HLA1114DEHE	610x1220x68	H14	22.1	1200	140	1226x89x616
HLA1114DEIE	610x1524x68	H14	27.6	1500	140	626x1540x99
HLA1114DEJE	610x1830x68	H14	33.1	1800	140	1836x89x616
HLA1114DFBE	762x305x68	H14	7.0	375	140	778x321x99
HLA1114DFEE	762x610x68	H14	13.9	750	140	778x626x99
HLA1114DFFE	762x762x68	H14	17.3	950	140	778x778x99
HLA1114DFGE	762x915x68	H14	20.7	1125	140	921x89x768
HLA1114DFHE	762x1220x68	H14	27.6	1500	140	778x1236x99
HLA1114DFIE	762x1524x68	H14	34.5	1875	140	778x1540x99
HLA1114DFJE	762x1830x68	H14	41.4	2250	140	1836x89x768
HLA1114DGBE	915x305x68	H14	8.4	450	140	931x321x99
HLA1114DGGE	915x915x68	H14	24.9	1350	140	931x108x931
HLA1114DGHE	915x1220x68	H14	33.2	1800	140	1236x89x931
HLA1114DGIE	915x1524x68	H14	41.4	2250	140	931x1540x99
HLA1114DGJE	915x1830x68	H14	49.7	2700	140	931x1846x99

The HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA filters

HEPA HLA-G series

E10 **E11** **H13** **H14**



Specifications

Application: Cleanrooms, operating rooms
 Frame: Extruded aluminium
 Spacers: Hotmelt
 Bonding: 2 component polyurethane
 Medium: Glass fibre paper
 Gasket: Continuous poured gasket
 Filter class according to EN1822: E10, E11, H13, H14
 Maximum final pressure drop: 500Pa
 Maximum temperature: 70°C
 Maximum relative humidity: 90%

Advantages

- Lightweight construction
- Lower pressure drop than 68 mm implementation
- HLA HEPA are fitted with 2 protection grids
- Filters with the classification H13 & H14 are delivered with a test certificate



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1110DBBG	305x305x80	E10	3.3	150	55	321x103x321
HLA1110DCCG	457x457x80	E10	7.4	335	55	473x103x473
HLA1110DBEG	305x610x80	E10	6.6	300	55	321x103x626
HLA1110DCEG	457x610x80	E10	9.9	450	55	473x626x111
HLA1110DCBG	457x305x80	E10	5.0	225	55	473x321x111
HLA1110DEEG	610x610x80	E10	13.2	600	55	626x103x626
HLA1110DEGG	610x915x80	E10	19.8	900	55	626x103x931
HLA1110DEHG	610x1220x80	E10	26.4	1200	55	620x91x1230
HLA1110DEIG	610x1524x80	E10	32.9	1500	55	626x1540x111
HLA1110DEJG	610x1830x80	E10	39.5	1800	55	626x1846x111
HLA1110DFBG	762x305x80	E10	8.4	375	55	778x321x111
HLA1110DFEG	762x610x80	E10	16.6	750	55	778x626x111
HLA1110DFFG	762x762x80	E10	20.7	950	55	778x778x111
HLA1110DFGG	762x915x80	E10	24.8	1125	55	778x931x111
HLA1110DFHG	762x1220x80	E10	33.0	1500	55	778x1236x111
HLA1110DFIG	762x1524x80	E10	41.2	1875	55	778x1540x111
HLA1110DFJG	762x1830x80	E10	49.4	2250	55	778x1846x111
HLA1110DGBG	915x305x80	E10	10.0	450	55	931x321x111
HLA1110DGGG	915x915x80	E10	29.8	1350	55	931x931x111
HLA1110DGHG	915x1220x80	E10	39.7	1800	55	931x1236x111
HLA1110DGIG	915x1524x80	E10	49.5	2250	55	931x1540x111
HLA1110DGJG	915x1830x80	E10	59.4	2700	55	931x1846x111
HLA1111DBBG	305x305x80	E11	3.3	150	60	321x103x321
HLA1111DCCG	457x457x80	E11	7.4	335	60	473x103x473
HLA1111DBEG	305x610x80	E11	6.6	300	60	321x103x626
HLA1111DCEG	457x610x80	E11	9.9	450	60	473x626x111
HLA1111DCBG	457x305x80	E11	5.0	225	60	473x321x111
HLA1111DEEG	610x610x80	E11	13.2	600	60	626x103x626
HLA1111DEGG	610x915x80	E11	19.8	900	60	626x103x931
HLA1111DEHG	610x1220x80	E11	26.4	1200	60	620x91x1230
HLA1111DEIG	610x1524x80	E11	32.9	1500	60	626x1540x111
HLA1111DEJG	610x1830x80	E11	39.5	1800	60	626x1846x111
HLA1111DFBG	762x305x80	E11	8.4	375	60	778x321x111
HLA1111DFEG	762x610x80	E11	16.6	750	60	778x626x111
HLA1111DFFG	762x762x80	E11	20.7	950	60	778x778x111
HLA1111DFGG	762x915x80	E11	24.8	1125	60	778x931x111
HLA1111DFHG	762x1220x80	E11	33.0	1500	60	778x1236x111
HLA1111DFIG	762x1524x80	E11	41.2	1875	60	778x1540x111
HLA1111DFJG	762x1830x80	E11	49.4	2250	60	778x1846x111
HLA1111DGBG	915x305x80	E11	10.0	450	60	931x321x111
HLA1111DGGG	915x915x80	E11	29.8	1350	60	931x931x111
HLA1111DGHG	915x1220x80	E11	39.7	1800	60	931x1236x111
HLA1111DGIG	915x1524x80	E11	49.5	2250	60	931x1540x111
HLA1111DGJG	915x1830x80	E11	59.4	2700	60	931x1846x111
HLA1113DBBG	305x305x80	H13	3.3	150	90	321x103x321

HEPA filters

HEPA HLA-G series continued



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m²)	Airflow (m³/h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1113DCCG	457x457x80	H13	7.4	335	90	473x103x473
HLA1113DBEG	305x610x80	H13	6.6	300	90	321x103x626
HLA1113DCEG	457x610x80	H13	9.9	450	90	473x626x111
HLA1113DCBG	457x305x80	H13	5.0	225	90	473x321x111
HLA1113DEEG	610x610x80	H13	13.2	600	90	626x103x626
HLA1113DEGG	610x915x80	H13	19.8	900	90	626x103x931
HLA1113DEHG	610x1220x80	H13	26.4	1200	90	620x91x1230
HLA1113DEIG	610x1524x80	H13	32.9	1500	90	626x1540x111
HLA1113DEJG	610x1830x80	H13	39.5	1800	90	626x1846x111
HLA1113DFBG	762x305x80	H13	8.4	375	90	778x321x111
HLA1113DFEG	762x610x80	H13	16.6	750	90	778x626x111
HLA1113DFFG	762x762x80	H13	20.7	950	90	778x778x111
HLA1113DFGG	762x915x80	H13	24.8	1125	90	778x931x111
HLA1113DFHG	762x1220x80	H13	33.0	1500	90	778x1236x111
HLA1113DFIG	762x1524x80	H13	41.2	1875	90	778x1540x111
HLA1113DFJG	762x1830x80	H13	49.4	2250	90	778x1846x111
HLA1113DGBG	915x305x80	H13	10.0	450	90	931x321x111
HLA1113DGCG	915x915x80	H13	29.8	1350	90	931x931x111
HLA1113DGHG	915x1220x80	H13	39.7	1800	90	931x1236x111
HLA1113DGIG	915x1524x80	H13	49.5	2250	90	931x1540x111
HLA1113DGJG	915x1830x80	H13	59.4	2700	90	931x1846x111
HLA1114DBBG	305x305x80	H14	3.3	150	100	321x103x321
HLA1114DCCG	457x457x80	H14	7.4	335	100	473x103x473
HLA1114DBEG	305x610x80	H14	6.6	300	100	321x103x626
HLA1114DCEG	457x610x80	H14	9.9	450	100	473x626x111
HLA1114DCBG	457x305x80	H14	5.0	225	100	473x321x111
HLA1114DEEG	610x610x80	H14	13.2	600	100	626x103x626
HLA1114DEGG	610x915x80	H14	19.8	900	100	626x103x931
HLA1114DEHG	610x1220x80	H14	26.4	1200	100	620x91x1230
HLA1114DEIG	610x1524x80	H14	32.9	1500	100	626x1540x111
HLA1114DEJG	610x1830x80	H14	39.5	1800	100	626x1846x111
HLA1114DFBG	762x305x80	H14	8.4	375	100	778x321x111
HLA1114DFEG	762x610x80	H14	16.6	750	100	778x626x111
HLA1114DFFG	762x762x80	H14	20.7	950	100	778x778x111
HLA1114DFGG	762x915x80	H14	24.8	1125	100	778x931x111
HLA1114DFHG	762x1220x80	H14	33.0	1500	100	778x1236x111
HLA1114DFIG	762x1524x80	H14	41.2	1875	100	778x1540x111
HLA1114DFJG	762x1830x80	H14	49.4	2250	100	778x1846x111
HLA1114DGBG	915x305x80	H14	10.0	450	100	931x321x111
HLA1114DGCG	915x915x80	H14	29.8	1350	100	931x931x111
HLA1114DGHG	915x1220x80	H14	39.7	1800	100	931x1236x111
HLA1114DGIG	915x1524x80	H14	49.5	2250	100	931x1540x111
HLA1114DGJG	915x1830x80	H14	59.4	2700	100	931x1846x111

The HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA filters

HEPA HLA-I series

E10 **E11** **H13** **H14**



Specifications

Application: Cleanrooms, operating rooms
 Frame: Extruded aluminium
 Spacers: Hotmelt
 Bonding: 2 component polyurethane
 Medium: Glass fibre paper
 Gasket: Continuous poured gasket
 Filter class according to EN1822: E10, E11, H13, H14
 Maximum final pressure drop: 500Pa
 Maximum temperature: 70°C
 Maximum relative humidity: 90%

Advantages

- Lightweight construction
- Lower pressure drop than 68 and 80 mm implementation
- HLA HEPA are fitted with 2 protection grids
- Filters with the classification H13 & H14 are delivered with a test certificate



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1110DBBI	305x305x90	E10	3.5	150	50	321x103x321
HLA1110DCCI	457x457x90	E10	7.8	335	50	473x473x121
HLA1110DBEI	305x610x90	E10	6.9	300	50	321x103x626
HLA1110DCEI	457x610x90	E10	10.3	450	50	473x626x121
HLA1110DCBI	457x305x90	E10	5.2	225	50	473x321x121
HLA1110DEEI	610x610x90	E10	13.8	600	50	626x103x626
HLA1110DEGI	610x915x90	E10	20.7	900	50	626x103x931
HLA1110DEHI	610x1220x90	E10	27.5	1200	50	626x1236x121
HLA1110DEII	610x1524x90	E10	34.3	1500	50	626x1540x121
HLA1110DEJI	610x1830x90	E10	41.2	1800	50	626x1846x121
HLA1110DFBI	762x305x90	E10	8.7	375	50	778x321x121
HLA1110DFEI	762x610x90	E10	17.3	750	50	778x626x121
HLA1110DFFI	762x762x90	E10	21.5	950	50	778x778x121
HLA1110DFGI	762x915x90	E10	25.8	1125	50	778x931x121
HLA1110DFHI	762x1220x90	E10	34.4	1500	50	1236x108x778
HLA1110DFII	762x1524x90	E10	42.9	1875	50	778x1540x121
HLA1110DFJI	762x1830x90	E10	51.5	2250	50	778x1846x121
HLA1110DGBI	915x305x90	E10	10.5	450	50	931x321x121
HLA1110DGGI	915x915x90	E10	31.1	1350	50	931x108x931
HLA1110DGHI	915x1220x90	E10	41.4	1800	50	1236x108x931
HLA1110DGII	915x1524x90	E10	51.6	2250	50	1540x108x931
HLA1110DGJI	915x1830x90	E10	62.0	2700	50	931x1846x121
HLA1111DBBI	305x305x90	E11	3.5	150	55	321x103x321
HLA1111DCCI	457x457x90	E11	7.8	335	55	473x473x121
HLA1111DBEI	305x610x90	E11	6.9	300	55	321x103x626
HLA1111DCEI	457x610x90	E11	10.3	450	55	473x626x121
HLA1111DCBI	457x305x90	E11	5.2	225	55	473x321x121
HLA1111DEEI	610x610x90	E11	13.8	600	55	626x103x626
HLA1111DEGI	610x915x90	E11	20.7	900	55	626x103x931
HLA1111DEHI	610x1220x90	E11	27.5	1200	55	626x1236x121
HLA1111DEII	610x1524x90	E11	34.3	1500	55	626x1540x121
HLA1111DEJI	610x1830x90	E11	41.2	1800	55	626x1846x121
HLA1111DFBI	762x305x90	E11	8.7	375	55	778x321x121
HLA1111DFEI	762x610x90	E11	17.3	750	55	778x626x121
HLA1111DFFI	762x762x90	E11	21.5	950	55	778x778x121
HLA1111DFGI	762x915x90	E11	25.8	1125	55	778x931x121
HLA1111DFHI	762x1220x90	E11	34.4	1500	55	1236x108x778
HLA1111DFII	762x1524x90	E11	42.9	1875	55	778x1540x121
HLA1111DFJI	762x1830x90	E11	51.5	2250	55	778x1846x121
HLA1111DGBI	915x305x90	E11	10.5	450	55	931x321x121
HLA1111DGGI	915x915x90	E11	31.1	1350	55	931x108x931
HLA1111DGHI	915x1220x90	E11	41.4	1800	55	1236x108x931
HLA1111DGII	915x1524x90	E11	51.6	2250	55	1540x108x931
HLA1111DGJI	915x1830x90	E11	62.0	2700	55	931x1846x121
HLA1113DBBI	305x305x90	H13	3.5	150	80	321x103x321

HEPA filters

HEPA HLA-I series continued



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m²)	Airflow (m³/h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1113DCCI	457x457x90	H13	7.8	335	80	473x473x121
HLA1113DBEI	305x610x90	H13	6.9	300	80	321x103x626
HLA1113DCEI	457x610x90	H13	10.3	450	80	473x626x121
HLA1113DCBI	457x305x90	H13	5.2	225	80	473x321x121
HLA1113DEEI	610x610x90	H13	13.8	600	80	626x103x626
HLA1113DEGI	610x915x90	H13	20.7	900	80	626x103x931
HLA1113DEHI	610x1220x90	H13	27.5	1200	80	626x1236x121
HLA1113DEII	610x1524x90	H13	34.3	1500	80	626x1540x121
HLA1113DEJI	610x1830x90	H13	41.2	1800	80	626x1846x121
HLA1113DFBI	762x305x90	H13	8.7	375	80	778x321x121
HLA1113DFEI	762x610x90	H13	17.3	750	80	778x626x121
HLA1113DFFI	762x762x90	H13	21.5	950	80	778x778x121
HLA1113DFGI	762x915x90	H13	25.8	1125	80	778x931x121
HLA1113DFHI	762x1220x90	H13	34.4	1500	80	1236x108x778
HLA1113DFII	762x1524x90	H13	42.9	1875	80	778x1540x121
HLA1113DFJI	762x1830x90	H13	51.5	2250	80	778x1846x121
HLA1113DGBI	915x305x90	H13	10.5	450	80	931x321x121
HLA1113DGGI	915x915x90	H13	31.1	1350	80	931x108x931
HLA1113DGHI	915x1220x90	H13	41.4	1800	80	1236x108x931
HLA1113DGII	915x1524x90	H13	51.6	2250	80	1540x108x931
HLA1113DGJI	915x1830x90	H13	62.0	2700	80	931x1846x121
HLA1114DBBI	305x305x90	H14	3.5	150	90	321x103x321
HLA1114DCCI	457x457x90	H14	7.8	335	90	473x473x121
HLA1114DBEI	305x610x90	H14	6.9	300	90	321x103x626
HLA1114DCEI	457x610x90	H14	10.3	450	90	473x626x121
HLA1114DCBI	457x305x90	H14	5.2	225	90	473x321x121
HLA1114DEEI	610x610x90	H14	13.8	600	90	626x103x626
HLA1114DEGI	610x915x90	H14	20.7	900	90	626x103x931
HLA1114DEHI	610x1220x90	H14	27.5	1200	90	626x1236x121
HLA1114DEII	610x1524x90	H14	34.3	1500	90	626x1540x121
HLA1114DEJI	610x1830x90	H14	41.2	1800	90	626x1846x121
HLA1114DFBI	762x305x90	H14	8.7	375	90	778x321x121
HLA1114DFEI	762x610x90	H14	17.3	750	90	778x626x121
HLA1114DFFI	762x762x90	H14	21.5	950	90	778x778x121
HLA1114DFGI	762x915x90	H14	25.8	1125	90	778x931x121
HLA1114DFHI	762x1220x90	H14	34.4	1500	90	1236x108x778
HLA1114DFII	762x1524x90	H14	42.9	1875	90	778x1540x121
HLA1114DFJI	762x1830x90	H14	51.5	2250	90	778x1846x121
HLA1114DGBI	915x305x90	H14	10.5	450	90	931x321x121
HLA1114DGGI	915x915x90	H14	31.1	1350	90	931x108x931
HLA1114DGHI	915x1220x90	H14	41.4	1800	90	1236x108x931
HLA1114DGII	915x1524x90	H14	51.6	2250	90	1540x108x931
HLA1114DGJI	915x1830x90	H14	62.0	2700	90	931x1846x121

The HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA filters

HEPA HLA-Q series

E10

E11

H13

H14



Specifications

Application: Cleanrooms, operating rooms

Frame: Extruded aluminium

Spacers: Hotmelt

Bonding: 2 component polyurethane

Medium: Glass fibre paper

Gasket: Continuous poured gasket

Filter class according to EN1822: E10, E11, H13, H14

Maximum final pressure drop: 500Pa

Maximum temperature: 70°C

Maximum relative humidity: 90%

Advantages

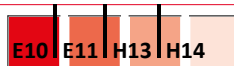
- Lightweight construction
- Lower pressure drop than 68, 80 and 90 mm implementation
- HLA HEPA are fitted with 2 protection grids
- Filters with the classification H13 & H14 are delivered with a test certificate



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1110DBBQ	305x305x110	E10	4.4	150	35	320x165x320
HLA1110DCCQ	457x457x110	E10	9.9	335	35	473x473x141
HLA1110DBEQ	305x610x110	E10	8.8	300	35	320x125x625
HLA1110DCEQ	457x610x110	E10	13.2	450	35	473x626x141
HLA1110DCBQ	457x305x110	E10	6.7	225	35	473x321x141
HLA1110DEEQ	610x610x110	E10	17.7	600	35	616x165x616
HLA1110DEGQ	610x915x110	E10	26.4	900	35	626x931x141
HLA1110DEHQ	610x1220x110	E10	35.2	1200	35	626x1236x141
HLA1110DEIQ	610x1524x110	E10	43.9	1500	35	626x1540x141
HLA1110DEJQ	610x1830x110	E10	52.7	1800	35	626x1846x141
HLA1110DFBQ	762x305x110	E10	11.2	375	35	778x321x141
HLA1110DFEQ	762x610x110	E10	22.1	750	35	778x626x141
HLA1110DFFQ	762x762x110	E10	27.6	950	35	778x778x141
HLA1110DFGQ	762x915x110	E10	33.1	1125	35	778x931x141
HLA1110DFHQ	762x1220x110	E10	44.1	1500	35	778x1236x141
HLA1110DFIQ	762x1524x110	E10	55.0	1875	35	778x1540x141
HLA1110DFJQ	762x1830x110	E10	66.0	2250	35	778x1846x141
HLA1110DGBQ	915x305x110	E10	13.4	450	35	931x321x141
HLA1110DGGQ	915x915x110	E10	39.8	1350	35	931x931x141
HLA1110DGHQ	915x1220x110	E10	53.0	1800	35	931x1236x141
HLA1110DGIQ	915x1524x110	E10	66.1	2250	35	931x1540x141
HLA1110DGJQ	915x1830x110	E10	79.3	2700	35	931x1846x141
HLA1111DBBQ	305x305x110	E11	4.4	150	40	320x165x320
HLA1111DCCQ	457x457x110	E11	9.9	335	40	473x473x141
HLA1111DBEQ	305x610x110	E11	8.8	300	40	320x125x625
HLA1111DCEQ	457x610x110	E11	13.2	450	40	473x626x141
HLA1111DCBQ	457x305x110	E11	6.7	225	40	473x321x141
HLA1111DEEQ	610x610x110	E11	17.7	600	40	616x165x616
HLA1111DEGQ	610x915x110	E11	26.4	900	40	626x931x141
HLA1111DEHQ	610x1220x110	E11	35.2	1200	40	626x1236x141
HLA1111DEIQ	610x1524x110	E11	43.9	1500	40	626x1540x141
HLA1111DEJQ	610x1830x110	E11	52.7	1800	40	626x1846x141
HLA1111DFBQ	762x305x110	E11	11.2	375	40	778x321x141
HLA1111DFEQ	762x610x110	E11	22.1	750	40	778x626x141
HLA1111DFFQ	762x762x110	E11	27.6	950	40	778x778x141
HLA1111DFGQ	762x915x110	E11	33.1	1125	40	778x931x141
HLA1111DFHQ	762x1220x110	E11	44.1	1500	40	778x1236x141
HLA1111DFIQ	762x1524x110	E11	55.0	1875	40	778x1540x141
HLA1111DFJQ	762x1830x110	E11	66.0	2250	40	778x1846x141
HLA1111DGBQ	915x305x110	E11	13.4	450	40	931x321x141
HLA1111DGGQ	915x915x110	E11	39.8	1350	40	931x931x141
HLA1111DGHQ	915x1220x110	E11	53.0	1800	40	931x1236x141
HLA1111DGIQ	915x1524x110	E11	66.1	2250	40	931x1540x141
HLA1111DGJQ	915x1830x110	E11	79.3	2700	40	931x1846x141
HLA1113DBBQ	305x305x110	H13	4.4	150	60	320x165x320

HEPA filters

HEPA HLA-Q series continued



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1113DCCQ	457x457x110	H13	9.9	335	60	473x473x141
HLA1113DBEQ	305x610x110	H13	8.8	300	60	320x125x625
HLA1113DCEQ	457x610x110	H13	13.2	450	60	473x626x141
HLA1113DCBQ	457x305x110	H13	6.7	225	60	473x321x141
HLA1113DEEQ	610x610x110	H13	17.7	600	60	616x165x616
HLA1113DEGQ	610x915x110	H13	26.4	900	60	626x931x141
HLA1113DEHQ	610x1220x110	H13	35.2	1200	60	626x1236x141
HLA1113DEIQ	610x1524x110	H13	43.9	1500	60	626x1540x141
HLA1113DEJQ	610x1830x110	H13	52.7	1800	60	626x1846x141
HLA1113DFBQ	762x305x110	H13	11.2	375	60	778x321x141
HLA1113DFEQ	762x610x110	H13	22.1	750	60	778x626x141
HLA1113DFFQ	762x762x110	H13	27.6	950	60	778x778x141
HLA1113DFGQ	762x915x110	H13	33.1	1125	60	778x931x141
HLA1113DFHQ	762x1220x110	H13	44.1	1500	60	778x1236x141
HLA1113DFIQ	762x1524x110	H13	55.0	1875	60	778x1540x141
HLA1113DFJQ	762x1830x110	H13	66.0	2250	60	778x1846x141
HLA1113DGBQ	915x305x110	H13	13.4	450	60	931x321x141
HLA1113DGGQ	915x915x110	H13	39.8	1350	60	931x931x141
HLA1113DGHQ	915x1220x110	H13	53.0	1800	60	931x1236x141
HLA1113DGIQ	915x1524x110	H13	66.1	2250	60	931x1540x141
HLA1113DGJQ	915x1830x110	H13	79.3	2700	60	931x1846x141
HLA1114DBBQ	305x305x110	H14	4.4	150	70	320x165x320
HLA1114DCCQ	457x457x110	H14	9.9	335	70	473x473x141
HLA1114DBEQ	305x610x110	H14	8.8	300	70	320x125x625
HLA1114DCEQ	457x610x110	H14	13.2	450	70	473x626x141
HLA1114DCBQ	457x305x110	H14	6.7	225	70	473x321x141
HLA1114DEEQ	610x610x110	H14	17.7	600	70	616x165x616
HLA1114DEGQ	610x915x110	H14	26.4	900	70	626x931x141
HLA1114DEHQ	610x1220x110	H14	35.2	1200	70	626x1236x141
HLA1114DEIQ	610x1524x110	H14	43.9	1500	70	626x1540x141
HLA1114DEJQ	610x1830x110	H14	52.7	1800	70	626x1846x141
HLA1114DFBQ	762x305x110	H14	11.2	375	70	778x321x141
HLA1114DFEQ	762x610x110	H14	22.1	750	70	778x626x141
HLA1114DFFQ	762x762x110	H14	27.6	950	70	778x778x141
HLA1114DFGQ	762x915x110	H14	33.1	1125	70	778x931x141
HLA1114DFHQ	762x1220x110	H14	44.1	1500	70	778x1236x141
HLA1114DFIQ	762x1524x110	H14	55.0	1875	70	778x1540x141
HLA1114DFJQ	762x1830x110	H14	66.0	2250	70	778x1846x141
HLA1114DGBQ	915x305x110	H14	13.4	450	70	931x321x141
HLA1114DGGQ	915x915x110	H14	39.8	1350	70	931x931x141
HLA1114DGHQ	915x1220x110	H14	53.0	1800	70	931x1236x141
HLA1114DGIQ	915x1524x110	H14	66.1	2250	70	931x1540x141
HLA1114DGJQ	915x1830x110	H14	79.3	2700	70	931x1846x141

The HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA filters

HEPA HLA-L series

E10 **E11** **H13** **H14**



Specifications

Application: Cleanrooms, operating rooms
 Frame: Extruded aluminium
 Spacers: Hotmelt
 Bonding: 2 component polyurethane
 Medium: Glass fibre paper
 Gasket: Continuous poured gasket
 Filter class according to EN1822: E10, E11, H13, H14
 Maximum final pressure drop: 500Pa
 Maximum temperature: 70°C
 Maximum relative humidity: 90%

Advantages

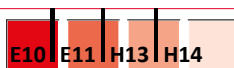
- Lightweight construction
- HLA HEPA are fitted with 2 protection grids
- Filters with the classification H13 & H14 are delivered with a test certificate



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1110DBBL	305x305x150	E10	2.8	150	65	321x321x181
HLA1110DCCL	457x457x150	E10	6.2	335	65	473x473x181
HLA1110DBEL	305x610x150	E10	5.5	300	65	321x626x181
HLA1110DCEL	457x610x150	E10	8.3	450	65	473x626x181
HLA1110DCBL	457x305x150	E10	4.2	225	65	473x321x181
HLA1110DEEL	610x610x150	E10	11.1	600	65	626x626x181
HLA1110DEGL	610x915x150	E10	16.6	900	65	626x931x181
HLA1110DEHL	610x1220x150	E10	22.1	1200	65	626x1236x181
HLA1110DEIL	610x1524x150	E10	27.6	1500	65	626x1540x181
HLA1110DEJL	610x1830x150	E10	33.1	1800	65	626x1846x181
HLA1110DFBL	762x305x150	E10	7.0	375	65	778x321x181
HLA1110DFEL	762x610x150	E10	13.9	750	65	778x626x181
HLA1110DFFL	762x762x150	E10	17.3	950	65	778x778x181
HLA1110DFGL	762x915x150	E10	20.7	1125	65	778x931x181
HLA1110DFHL	762x1220x150	E10	27.6	1500	65	778x1236x181
HLA1110DFIL	762x1524x150	E10	34.5	1875	65	778x1540x181
HLA1110DFJL	762x1830x150	E10	41.4	2250	65	778x1846x181
HLA1110DGBL	915x305x150	E10	8.4	450	65	931x321x181
HLA1110DGGL	915x915x150	E10	24.9	1350	65	931x931x181
HLA1110DGHL	915x1220x150	E10	33.2	1800	65	931x1236x181
HLA1110DGIL	915x1524x150	E10	41.4	2250	65	931x1540x181
HLA1110DGJL	915x1830x150	E10	49.7	2700	65	931x1846x181
HLA1111DBBL	305x305x150	E11	2.8	150	80	321x321x181
HLA1111DCCL	457x457x150	E11	6.2	335	80	473x473x181
HLA1111DBEL	305x610x150	E11	5.5	300	80	321x626x181
HLA1111DCEL	457x610x150	E11	8.3	450	80	473x626x181
HLA1111DCBL	457x305x150	E11	4.2	225	80	473x321x181
HLA1111DEEL	610x610x150	E11	11.1	600	80	626x626x181
HLA1111DEGL	610x915x150	E11	16.6	900	80	626x931x181
HLA1111DEHL	610x1220x150	E11	22.1	1200	80	626x1236x181
HLA1111DEIL	610x1524x150	E11	27.6	1500	80	626x1540x181
HLA1111DEJL	610x1830x150	E11	33.1	1800	80	626x1846x181
HLA1111DFBL	762x305x150	E11	7.0	375	80	778x321x181
HLA1111DFEL	762x610x150	E11	13.9	750	80	778x626x181
HLA1111DFFL	762x762x150	E11	17.3	950	80	778x778x181
HLA1111DFGL	762x915x150	E11	20.7	1125	80	778x931x181
HLA1111DFHL	762x1220x150	E11	27.6	1500	80	778x1236x181
HLA1111DFIL	762x1524x150	E11	34.5	1875	80	778x1540x181
HLA1111DFJL	762x1830x150	E11	41.4	2250	80	778x1846x181
HLA1111DGBL	915x305x150	E11	8.4	450	80	931x321x181
HLA1111DGGL	915x915x150	E11	24.9	1350	80	931x931x181
HLA1111DGHL	915x1220x150	E11	33.2	1800	80	931x1236x181
HLA1111DGIL	915x1524x150	E11	41.4	2250	80	931x1540x181
HLA1111DGJL	915x1830x150	E11	49.7	2700	80	931x1846x181
HLA1113DBBL	305x305x150	H13	2.8	150	120	321x321x181

HEPA filters

HEPA HLA-L series continued



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1113DCCL	457x457x150	H13	6.2	335	120	473x473x181
HLA1113DBEL	305x610x150	H13	5.5	300	120	321x626x181
HLA1113DCEL	457x610x150	H13	8.3	450	120	473x626x181
HLA1113DCBL	457x305x150	H13	4.2	225	120	473x321x181
HLA1113DEEL	610x610x150	H13	11.1	600	120	626x626x181
HLA1113DEGL	610x915x150	H13	16.6	900	120	626x931x181
HLA1113DEHL	610x1220x150	H13	22.1	1200	120	626x1236x181
HLA1113DEIL	610x1524x150	H13	27.6	1500	120	626x1540x181
HLA1113DEJL	610x1830x150	H13	33.1	1800	120	626x1846x181
HLA1113DFBL	762x305x150	H13	7.0	375	120	778x321x181
HLA1113DFEL	762x610x150	H13	13.9	750	120	778x626x181
HLA1113DFFL	762x762x150	H13	17.3	950	120	778x778x181
HLA1113DFGL	762x915x150	H13	20.7	1125	120	778x931x181
HLA1113DFHL	762x1220x150	H13	27.6	1500	120	778x1236x181
HLA1113DFIL	762x1524x150	H13	34.5	1875	120	778x1540x181
HLA1113DFJL	762x1830x150	H13	41.4	2250	120	778x1846x181
HLA1113DGBL	915x305x150	H13	8.4	450	120	931x321x181
HLA1113DGGL	915x915x150	H13	24.9	1350	120	931x931x181
HLA1113DGHL	915x1220x150	H13	33.2	1800	120	931x1236x181
HLA1113DGIL	915x1524x150	H13	41.4	2250	120	931x1540x181
HLA1113DGJL	915x1830x150	H13	49.7	2700	120	931x1846x181
HLA1114DBBL	305x305x150	H14	2.8	150	140	321x321x181
HLA1114DCCL	457x457x150	H14	6.2	335	140	473x473x181
HLA1114DBEL	305x610x150	H14	5.5	300	140	321x626x181
HLA1114DCEL	457x610x150	H14	8.3	450	140	473x626x181
HLA1114DCBL	457x305x150	H14	4.2	225	140	473x321x181
HLA1114DEEL	610x610x150	H14	11.1	600	140	626x626x181
HLA1114DEGL	610x915x150	H14	16.6	900	140	626x931x181
HLA1114DEHL	610x1220x150	H14	22.1	1200	140	626x1236x181
HLA1114DEIL	610x1524x150	H14	27.6	1500	140	626x1540x181
HLA1114DEJL	610x1830x150	H14	33.1	1800	140	626x1846x181
HLA1114DFBL	762x305x150	H14	7.0	375	140	778x321x181
HLA1114DFEL	762x610x150	H14	13.9	750	140	778x626x181
HLA1114DFFL	762x762x150	H14	17.3	950	140	778x778x181
HLA1114DFGL	762x915x150	H14	20.7	1125	140	778x931x181
HLA1114DFHL	762x1220x150	H14	27.6	1500	140	778x1236x181
HLA1114DFIL	762x1524x150	H14	34.5	1875	140	778x1540x181
HLA1114DFJL	762x1830x150	H14	41.4	2250	140	778x1846x181
HLA1114DGBL	915x305x150	H14	8.4	450	140	931x321x181
HLA1114DGGL	915x915x150	H14	24.9	1350	140	931x931x181
HLA1114DGHL	915x1220x150	H14	33.2	1800	140	931x1236x181
HLA1114DGIL	915x1524x150	H14	41.4	2250	140	931x1540x181
HLA1114DGJL	915x1830x150	H14	49.7	2700	140	931x1846x181

The HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA filters

HEPA HLA-J series

E10

E11

H13

H14



Specifications

Application: Cleanrooms, operating rooms

Frame: Extruded aluminium

Spacers: Hotmelt

Bonding: 2 component polyurethane

Medium: Glass fibre paper

Gasket: Knife construction for mounting in gelseal

Filter class according to EN1822: E10, E11, H13, H14

Maximum final pressure drop: 500Pa

Maximum temperature: 70°C

Maximum relative humidity: 90%

Advantages

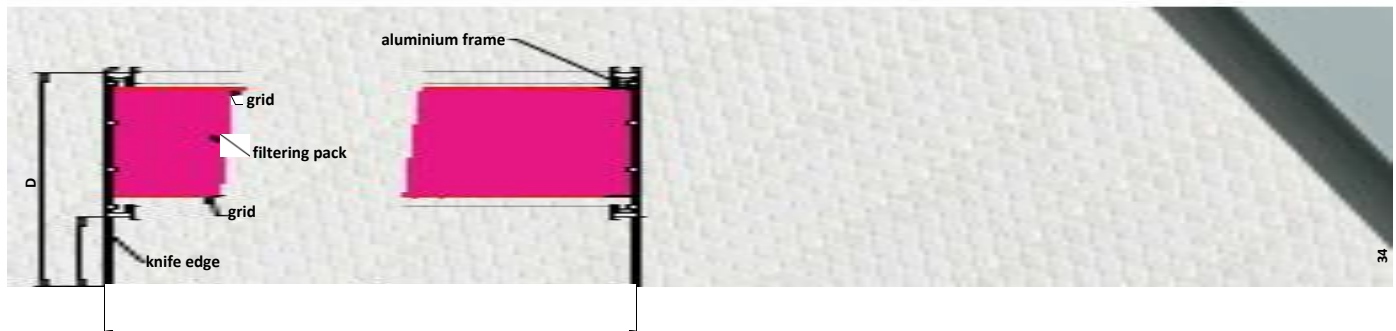
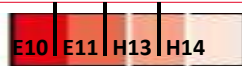
- Lightweight construction
- Excellent seal when mounting with gelseal frame
- HLA HEPA are fitted with 2 protection grids
- Filters with the classification H13 & H14 are delivered with a test certificate



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1510DBBJ	305x305x102,5	E10	2.8	150	65	321x321x134
HLA1510DCCJ	457x457x102,5	E10	6.2	335	65	473x473x134
HLA1510DBEJ	305x610x102,5	E10	5.5	300	65	321x626x134
HLA1510DCEJ	457x610x102,5	E10	8.3	450	65	473x626x134
HLA1510DCBJ	457x305x102,5	E10	4.2	225	65	473x321x134
HLA1510DEEJ	610x610x102,5	E10	11.1	600	65	626x626x134
HLA1510DEGJ	610x915x102,5	E10	16.6	900	65	626x931x134
HLA1510DEHJ	610x1220x102,5	E10	22.1	1200	65	626x1236x134
HLA1510DEIJ	610x1524x102,5	E10	27.6	1500	65	626x1540x134
HLA1510DEJJ	610x1830x102,5	E10	33.1	1800	65	626x1846x134
HLA1510DFBJ	762x305x102,5	E10	7.0	375	65	778x321x134
HLA1510DFEJ	762x610x102,5	E10	13.9	750	65	778x626x134
HLA1510DFFJ	762x762x102,5	E10	17.3	950	65	778x778x134
HLA1510DFGJ	762x915x102,5	E10	20.7	1125	65	778x931x134
HLA1510DFHJ	762x1220x102,5	E10	27.6	1500	65	778x1236x134
HLA1510DFIJ	762x1524x102,5	E10	34.5	1875	65	778x1540x134
HLA1510DFJJ	762x1830x102,5	E10	41.4	2250	65	778x1846x134
HLA1510DGBJ	915x305x102,5	E10	8.4	450	65	931x321x134
HLA1510DGGJ	915x915x102,5	E10	24.9	1350	65	931x931x134
HLA1510DGHJ	915x1220x102,5	E10	33.2	1800	65	931x1236x134
HLA1510DGJ	915x1524x102,5	E10	41.4	2250	65	931x1540x134
HLA1510DGJJ	915x1830x102,5	E10	49.7	2700	65	931x1846x134
HLA1511DBBJ	305x305x102,5	E11	2.8	150	80	321x321x134
HLA1511DCCJ	457x457x102,5	E11	6.2	335	80	473x473x134
HLA1511DBEJ	305x610x102,5	E11	5.5	300	80	321x626x134
HLA1511DCEJ	457x610x102,5	E11	8.3	450	80	473x626x134
HLA1511DCBJ	457x305x102,5	E11	4.2	225	80	473x321x134
HLA1511DEEJ	610x610x102,5	E11	11.1	600	80	626x626x134
HLA1511DEGJ	610x915x102,5	E11	16.6	900	80	626x931x134
HLA1511DEHJ	610x1220x102,5	E11	22.1	1200	80	626x1236x134
HLA1511DEIJ	610x1524x102,5	E11	27.6	1500	80	626x1540x134
HLA1511DEJJ	610x1830x102,5	E11	33.1	1800	80	626x1846x134
HLA1511DFBJ	762x305x102,5	E11	7.0	375	80	778x321x134
HLA1511DFEJ	762x610x102,5	E11	13.9	750	80	778x626x134
HLA1511DFFJ	762x762x102,5	E11	17.3	950	80	778x778x134
HLA1511DFGJ	762x915x102,5	E11	20.7	1125	80	778x931x134
HLA1511DFHJ	762x1220x102,5	E11	27.6	1500	80	778x1236x134
HLA1511DFIJ	762x1524x102,5	E11	34.5	1875	80	778x1540x134
HLA1511DFJJ	762x1830x102,5	E11	41.4	2250	80	778x1846x134
HLA1511DGBJ	915x305x102,5	E11	8.4	450	80	931x321x134
HLA1511DGGJ	915x915x102,5	E11	24.9	1350	80	931x931x134
HLA1511DGHJ	915x1220x102,5	E11	33.2	1800	80	931x1236x134
HLA1511DGJ	915x1524x102,5	E11	41.4	2250	80	931x1540x134
HLA1511DGJJ	915x1830x102,5	E11	49.7	2700	80	931x1846x134
HLA1513DBBJ	305x305x102,5	H13	2.8	150	120	321x321x134

HEPA filters

HEPA HLA-J series continued



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1513DCCJ	457x457x102,5	H13	6.2	335	120	473x473x134
HLA1513DBEJ	305x610x102,5	H13	5.5	300	120	321x626x134
HLA1513DCEJ	457x610x102,5	H13	8.3	450	120	473x626x134
HLA1513DCBJ	457x305x102,5	H13	4.2	225	120	473x321x134
HLA1513DEEJ	610x610x102,5	H13	11.1	600	120	626x626x134
HLA1513DEGJ	610x915x102,5	H13	16.6	900	120	626x931x134
HLA1513DEHJ	610x1220x102,5	H13	22.1	1200	120	626x1236x134
HLA1513DEIJ	610x1524x102,5	H13	27.6	1500	120	626x1540x134
HLA1513DEJJ	610x1830x102,5	H13	33.1	1800	120	626x1846x134
HLA1513DFBJ	762x305x102,5	H13	7.0	375	120	778x321x134
HLA1513DFEJ	762x610x102,5	H13	13.9	750	120	778x626x134
HLA1513DFFJ	762x762x102,5	H13	17.3	950	120	778x778x134
HLA1513DFGJ	762x915x102,5	H13	20.7	1125	120	778x931x134
HLA1513DFHJ	762x1220x102,5	H13	27.6	1500	120	778x1236x134
HLA1513DFIJ	762x1524x102,5	H13	34.5	1875	120	778x1540x134
HLA1513DFJJ	762x1830x102,5	H13	41.4	2250	120	778x1846x134
HLA1513DGBJ	915x305x102,5	H13	8.4	450	120	931x321x134
HLA1513DGGJ	915x915x102,5	H13	24.9	1350	120	931x931x134
HLA1513DGHJ	915x1220x102,5	H13	33.2	1800	120	931x1236x134
HLA1513DGIJ	915x1524x102,5	H13	41.4	2250	120	931x1540x134
HLA1513DGJJ	915x1830x102,5	H13	49.7	2700	120	931x1846x134
HLA1514DBBJ	305x305x102,5	H14	2.8	150	140	321x321x134
HLA1514DCCJ	457x457x102,5	H14	6.2	335	140	473x473x134
HLA1514DBEJ	305x610x102,5	H14	5.5	300	140	321x626x134
HLA1514DCEJ	457x610x102,5	H14	8.3	450	140	473x626x134
HLA1514DCBJ	457x305x102,5	H14	4.2	225	140	473x321x134
HLA1514DEEJ	610x610x102,5	H14	11.1	600	140	626x626x134
HLA1514DEGJ	610x915x102,5	H14	16.6	900	140	626x931x134
HLA1514DEHJ	610x1220x102,5	H14	22.1	1200	140	626x1236x134
HLA1514DEIJ	610x1524x102,5	H14	27.6	1500	140	626x1540x134
HLA1514DEJJ	610x1830x102,5	H14	33.1	1800	140	626x1846x134
HLA1514DFBJ	762x305x102,5	H14	7.0	375	140	778x321x134
HLA1514DFEJ	762x610x102,5	H14	13.9	750	140	778x626x134
HLA1514DFFJ	762x762x102,5	H14	17.3	950	140	778x778x134
HLA1514DFGJ	762x915x102,5	H14	20.7	1125	140	778x931x134
HLA1514DFHJ	762x1220x102,5	H14	27.6	1500	140	778x1236x134
HLA1514DFIJ	762x1524x102,5	H14	34.5	1875	140	778x1540x134
HLA1514DFJJ	762x1830x102,5	H14	41.4	2250	140	778x1846x134
HLA1514DGBJ	915x305x102,5	H14	8.4	450	140	931x321x134
HLA1514DGGJ	915x915x102,5	H14	24.9	1350	140	931x931x134
HLA1514DGHJ	915x1220x102,5	H14	33.2	1800	140	931x1236x134
HLA1514DGIJ	915x1524x102,5	H14	41.4	2250	140	931x1540x134
HLA1514DGJJ	915x1830x102,5	H14	49.7	2700	140	931x1846x134

HEPA filters

HEPA HLA-H series



Specifications

Application: Cleanrooms, operating rooms
 Frame: Extruded aluminium
 Spacers: Hotmelt
 Bonding: 2 component polyurethane
 Medium: Glass fibre paper
 Gasket: Gelseal
 Filter class according to EN1822: E10, E11, H13, H14
 Maximum final pressure drop: 500Pa
 Maximum temperature: 70°C
 Maximum relative humidity: 90%

Advantages

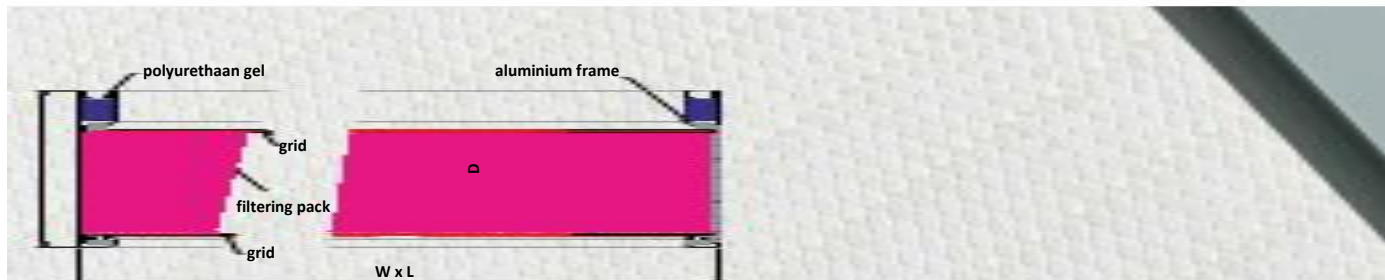
- Lightweight construction
- Excellent seal when mounting with gelseal frame
- HLA HEPA are fitted with 2 protection grids
- Filters with the classification H13 & H14 are delivered with a test certificate

Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1610DBBH	305x305x80	E10	3.3	150	55	321x103x321
HLA1610DCCH	457x457x80	E10	7.4	335	55	473x103x473
HLA1610DBEH	305x610x80	E10	6.6	300	55	321x103x626
HLA1610DCEH	457x610x80	E10	9.9	450	55	473x626x111
HLA1610DCBH	457x305x80	E10	5.0	225	55	473x321x111
HLA1610DEEH	610x610x80	E10	13.2	600	55	626x103x626
HLA1610DEGH	610x915x80	E10	19.8	900	55	626x103x931
HLA1610DEHH	610x1220x80	E10	26.4	1200	55	620x91x1230
HLA1610DEIH	610x1524x80	E10	32.9	1500	55	626x1540x111
HLA1610DEJH	610x1830x80	E10	39.5	1800	55	626x1846x111
HLA1610DFBH	762x305x80	E10	8.4	375	55	778x321x111
HLA1610DFEH	762x610x80	E10	16.6	750	55	778x626x111
HLA1610DFFH	762x762x80	E10	20.7	950	55	778x778x111
HLA1610DFGH	762x915x80	E10	24.8	1125	55	778x931x111
HLA1610DFHH	762x1220x80	E10	33.0	1500	55	778x1236x111
HLA1610DFIH	762x1524x80	E10	41.2	1875	55	778x1540x111
HLA1610DFJH	762x1830x80	E10	49.4	2250	55	778x1846x111
HLA1610DGBH	915x305x80	E10	10.0	450	55	931x321x111
HLA1610DGGH	915x915x80	E10	29.8	1350	55	931x931x111
HLA1610DGHH	915x1220x80	E10	39.7	1800	55	931x1236x111
HLA1610DGIH	915x1524x80	E10	49.5	2250	55	931x1540x111
HLA1610DGJH	915x1830x80	E10	59.4	2700	55	931x1846x111
HLA1611DBBH	305x305x80	E11	3.3	150	60	321x103x321
HLA1611DCCH	457x457x80	E11	7.4	335	60	473x103x473
HLA1611DBEH	305x610x80	E11	6.6	300	60	321x103x626
HLA1611DCEH	457x610x80	E11	9.9	450	60	473x626x111
HLA1611DCBH	457x305x80	E11	5.0	225	60	473x321x111
HLA1611DEEH	610x610x80	E11	13.2	600	60	626x103x626
HLA1611DEGH	610x915x80	E11	19.8	900	60	626x103x931
HLA1611DEHH	610x1220x80	E11	26.4	1200	60	620x91x1230
HLA1611DEIH	610x1524x80	E11	32.9	1500	60	626x1540x111
HLA1611DEJH	610x1830x80	E11	39.5	1800	60	626x1846x111
HLA1611DFBH	762x305x80	E11	8.4	375	60	778x321x111
HLA1611DFEH	762x610x80	E11	16.6	750	60	778x626x111
HLA1611DFFH	762x762x80	E11	20.7	950	60	778x778x111
HLA1611DFGH	762x915x80	E11	24.8	1125	60	778x931x111
HLA1611DFHH	762x1220x80	E11	33.0	1500	60	778x1236x111
HLA1611DFIH	762x1524x80	E11	41.2	1875	60	778x1540x111
HLA1611DFJH	762x1830x80	E11	49.4	2250	60	778x1846x111
HLA1611DGBH	915x305x80	E11	10.0	450	60	931x321x111
HLA1611DGGH	915x915x80	E11	29.8	1350	60	931x931x111
HLA1611DGHH	915x1220x80	E11	39.7	1800	60	931x1236x111
HLA1611DGIH	915x1524x80	E11	49.5	2250	60	931x1540x111
HLA1611DGJH	915x1830x80	E11	59.4	2700	60	931x1846x111
HLA1613DBBH	305x305x80	H13	3.3	150	90	321x103x321

HEPA filters

HEPA HLA-H series continued

E10 E11 H13 H14



Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLA1613DCCH	457x457x80	H13	7.4	335	90	473x103x473
HLA1613DBEH	305x610x80	H13	6.6	300	90	321x103x626
HLA1613DCEH	457x610x80	H13	9.9	450	90	473x626x111
HLA1613DCBH	457x305x80	H13	5.0	225	90	473x321x111
HLA1613DEEH	610x610x80	H13	13.2	600	90	626x103x626
HLA1613DEGH	610x915x80	H13	19.8	900	90	626x103x931
HLA1613DEHH	610x1220x80	H13	26.4	1200	90	620x91x1230
HLA1613DEIH	610x1524x80	H13	32.9	1500	90	626x1540x111
HLA1613DEJH	610x1830x80	H13	39.5	1800	90	626x1846x111
HLA1613DFBH	762x305x80	H13	8.4	375	90	778x321x111
HLA1613DFEH	762x610x80	H13	16.6	750	90	778x626x111
HLA1613DFFH	762x762x80	H13	20.7	950	90	778x778x111
HLA1613DFGH	762x915x80	H13	24.8	1125	90	778x931x111
HLA1613DFHH	762x1220x80	H13	33.0	1500	90	778x1236x111
HLA1613DFIH	762x1524x80	H13	41.2	1875	90	778x1540x111
HLA1613DFJH	762x1830x80	H13	49.4	2250	90	778x1846x111
HLA1613DGBH	915x305x80	H13	10.0	450	90	931x321x111
HLA1613DGGH	915x915x80	H13	29.8	1350	90	931x931x111
HLA1613DGHH	915x1220x80	H13	39.7	1800	90	931x1236x111
HLA1613DGIH	915x1524x80	H13	49.5	2250	90	931x1540x111
HLA1613DGJH	915x1830x80	H13	59.4	2700	90	931x1846x111
HLA1614DBBH	305x305x80	H14	3.3	150	100	321x103x321
HLA1614DCCH	457x457x80	H14	7.4	335	100	473x103x473
HLA1614DBEH	305x610x80	H14	6.6	300	100	321x103x626
HLA1614DCEH	457x610x80	H14	9.9	450	100	473x626x111
HLA1614DCBH	457x305x80	H14	5.0	225	100	473x321x111
HLA1614DEEH	610x610x80	H14	13.2	600	100	626x103x626
HLA1614DEGH	610x915x80	H14	19.8	900	100	626x103x931
HLA1614DEHH	610x1220x80	H14	26.4	1200	100	620x91x1230
HLA1614DEIH	610x1524x80	H14	32.9	1500	100	626x1540x111
HLA1614DEJH	610x1830x80	H14	39.5	1800	100	626x1846x111
HLA1614DFBH	762x305x80	H14	8.4	375	100	778x321x111
HLA1614DFEH	762x610x80	H14	16.6	750	100	778x626x111
HLA1614DFFH	762x762x80	H14	20.7	950	100	778x778x111
HLA1614DFGH	762x915x80	H14	24.8	1125	100	778x931x111
HLA1614DFHH	762x1220x80	H14	33.0	1500	100	778x1236x111
HLA1614DFIH	762x1524x80	H14	41.2	1875	100	778x1540x111
HLA1614DFJH	762x1830x80	H14	49.4	2250	100	778x1846x111
HLA1614DGBH	915x305x80	H14	10.0	450	100	931x321x111
HLA1614DGGH	915x915x80	H14	29.8	1350	100	931x931x111
HLA1614DGHH	915x1220x80	H14	39.7	1800	100	931x1236x111
HLA1614DGIH	915x1524x80	H14	49.5	2250	100	931x1540x111
HLA1614DGJH	915x1830x80	H14	59.4	2700	100	931x1846x111

The HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

HEPA filters

HEPA Hood Filter

E11 H13 H14



Specifications

Application: Cleanrooms, operating rooms
Frame: Extruded aluminium
Spacers: Hot melt
Bonding: 2 component polyurethane
Medium: Glass fibre paper
Gasket: Continuous poured gasket
Filter class according to EN1822: E11, H13, H14
Maximum final pressure drop: 500Pa
Maximum temperature: 70°C
Maximum relative humidity: 90%

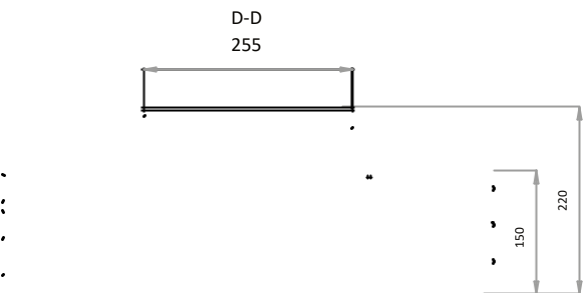
Advantages

- Lightweight construction
- Filters with the classification H13 & H14 are delivered with a test certificate

Type	Dimensions WxHxD (mm)	Filter class	Filter surface (m ²)	Airflow (m ³ /h)	Pressure drop (Pa)	Dimensions box (mm)
HLH1111SBEL	305x610x150	E11	5.5	300	70	321x626x183
HLH1111SEEL	610x610x150	E11	11.1	600	70	626x626x183
HLH1111SEGL	610x915x150	E11	16.6	900	70	626x931x183
HLH1111SEHL	610x1220x150	E11	22.1	1200	70	626x1236x183
HLH1111S300600L	300x600x150	E11	5.4	300	70	316x616x183
HLH1111S600600L	600x600x150	E11	10.7	600	70	616x616x183
HLH1111S905600L	905x600x150	E11	16.2	900	70	921x616x183
HLH1111S1210600L	1210x600x150	E11	22.1	1200	70	1226x616x183
HLH1111S1195595L	1195x595x150	E11	21.3	1100	70	1211x616x183
HLH1113SBEL	305x610x150	H13	5.5	300	110	321x626x183
HLH1113SEEL	610x610x150	H13	11.1	600	110	626x626x183
HLH1113SEGL	610x915x150	H13	16.7	900	110	626x931x183
HLH1113SEHL	610x1220x150	H13	22.3	1200	110	626x1236x183
HLH1113S300600L	300x600x150	H13	5.3	300	110	316x616x183
HLH1113S600600L	600x600x150	H13	10.7	600	110	616x616x183
HLH1113S905600L	905x600x150	H13	16.2	900	110	921x616x183
HLH1113S1210600L	1210x600x150	H13	21.7	1200	110	1226x616x183
HLH1113S1195595L	1195x595x150	H13	21.3	1100	110	1211x616x183
HLH1114SBEL	305x610x150	H14	5.5	300	120	321x626x183
HLH1114SEEL	610x610x150	H14	11.1	600	120	626x626x183
HLH1114SEGL	610x915x150	H14	16.7	900	120	626x931x183
HLH1114SEHL	610x1220x150	H14	22.3	1200	120	626x1236x183
HLH1114S300600L	300x600x150	H14	5.3	300	120	316x616x183
HLH1114S600600L	600x600x150	H14	10.7	600	120	616x616x183
HLH1114S905600L	905x600x150	H14	16.2	900	120	921x616x183
HLH1114S1210600L	1210x600x150	H14	21.7	1200	120	1226x616x183
HLH1114S1195595L	1195x595x150	H14	21.3	1100	120	1211x616x183

The HEPA filters are leak tested at the end of the production process. It is advised to validate the functioning of the air handling unit after installation of the new HEPA filters, because of possible damages during transport or installation.

Including plenum the height is 220 mm



HEPA filters

HEPA Hood Filter

Specifications

Application: Cleanrooms, operating rooms

Frame: Stainless, powder coated steel

Gasket: Optionally sprayed

Connection: Round 160, 250 and 315 (mm)

Location connection: Side or top

Diffuser: Perforated, swirl, 4 directions

Advantages

- Sustainable construction through multiple use assembly
- Easy installation via bottom
- Possibilities for assembly
- Different filters



Type	Dimensions Hood WxHxD (mm)	Dimensions Grid including flange WxH (mm)	Dimensions Filter HLA-series WxH (mm)	Hight Filter (mm)	Airflow (m ³ /h)	Position of connection	Connection Ø (mm)
HL-HD/EE-S	650x650x565	722x722	610x610	68-124	600	Side	250
HL-HD/EG-S	650x955x565	722x1027	610x915	68-124	900	Side	315
HL-HD/EH-S	650x1260x565	722x1332	610x1220	68-124	1200	Side	315
HL-HD/EE-S/SS	650x650x565	722x722	610x610	68-124	600	Side	250
HL-HD/EG-S/SS	650x955x565	722x1027	610x915	68-124	900	Side	315
HL-HD/EH-S/SS	650x1260x565	722x1332	610x1220	68-124	1200	Side	315
HL-HD/EE-T	650x650x300	722x722	610x610	68-124	600	Top	250
HL-HD/EG-T	650x955x300	722x1027	610x915	68-124	900	Top	315
HL-HD/EH-T	650x1260x300	722x1332	610x1220	68-124	1200	Top	315
HL-HD/EE-T/SS	650x650x300	722x722	610x610	68-124	600	Top	250
HL-HD/EG-T/SS	650x955x300	722x1027	610x915	68-124	900	Top	315
HL-HD/EH-T/SS	650x1260x300	722x1332	610x1220	68-124	1200	Top	315
HL-HD/BE-S	345x650x565	417x722	305x610	68-124	300	Side	160
HL-HD/BB-S	345x345x565	417x417	305x305	68-124	150	Side	160
HL-HD/BE-S/SS	345x650x565	417x722	305x610	68-124	300	Side	160
HL-HD/BB-S/SS	345x345x565	417x417	305x305	68-124	150	Side	160
HL-HD/BE-T	345x650x300	417x722	305x610	68-124	300	Top	160
HL-HD/BB-T	345x345x300	417x417	305x305	68-124	150	Top	160
HL-HD/BE-T/SS	345x650x300	417x722	305x610	68-124	300	Top	160
HL-HD/BB-T/SS	345x345x300	417x417	305x305	68-124	150	Top	160