

AIR FILTER TECHNOLOGY (EN1822)

HIGH CAPACITY HEPA FILTER with SINGLE PLEAT (METAL)

Specifications

- Single Pleat
- Low pressure drop, less energy consumption
- Guaranteed leak-free
- Available in all grades
- For high air flow applications
- High quality glass fibre media
- Available in all grades
- Optimized velocity distribution



Filter Class; H13 - H14
Sealing Compound; Polyurethane
Flammability Class; K2/H2 for Normal Temp.
Faceguard; Available on request
Gasket; EPDM, EPDM Flat continuous and PU Foam

Media; High quality glass fibre
Separators; Hotmelt
Max. Operating Temperature; 75°C
Max. Final Pressure Drop; 600 Pa
Frame type; Galvanized, Alu. and Stainless Steel

Model	Nominal Air Flow for 610x610mm	Pleat Height	Filter Class	Filtration Area for 610x610mm	Initial Pressure Drop @Nominal Air Flow
	(m³/h)				
G20 M20	2000	125	H13	18	240
			H14	20	250
G30 M30	3000	150	H13	26	250
			H14	30	270

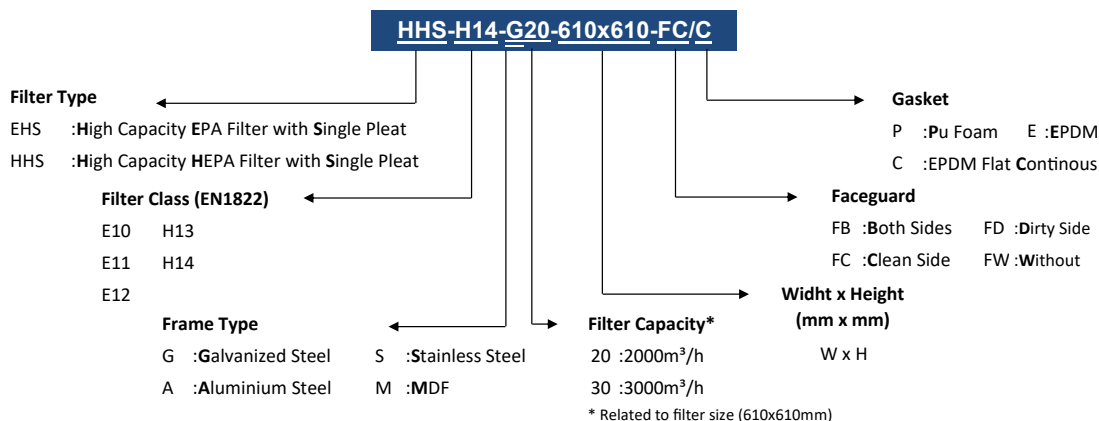
Other frame depths are available for special applications.

High capacity HEPA filters with single pleat protect people, equipment and processes from airborne particulate contamination. This type of filters are used in air ventilation and air conditioning plants requiring high or very high levels of air purity. They are designed for laminar flow units, air handling units and clean room systems.

Applications: Industrial processes like microelectronics, medicine, pharma, the food industry, microbiology, chemistry, laboratories, hospital and hospital operating theatres, laminar flow boxes, fan filter units, nuclear energy and nuclear research.

Filtration area and pleat height designed with the optimum value are more important for performans of filters. The filters having high pleat height offer a good solution with lower operating costs and significantly reducing energy consumption.

HEPA and ULPA filters are tested and certified individually according to EN1822 with the advanced technology. We would recommend the higher grades of prefilters to increase the service life of the ceiling filters.



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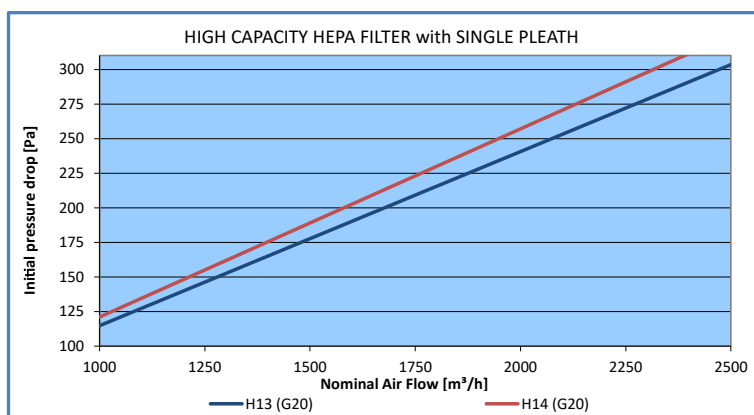
AIR FILTER TECHNOLOGY (EN1822)

HIGH CAPACITY HEPA FILTER with SINGLE PLEAT (METAL)

(G20 - PH;125mm)

Filter Model	Filter Class (EN1822)	Dimensions WxHxD (mm)	Filtration Area (m ²)	Pleat Height (mm)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
HHS-H13-G20-305x305-FC/C	H13	305x305x292	4,5	125	500	240
HHS-H13-G20-305x610-FC/C	H13	305x610x292	9,0	125	1000	240
HHS-H13-G20-457x610-FC/C	H13	457x610x292	13,5	125	1500	240
HHS-H13-G20-610x610-FC/C	H13	610x610x292	18,0	125	2000	240
HHS-H13-G20-610x762-FC/C	H13	610x762x292	22,5	125	2500	240
HHS-H13-G20-610x915-FC/C	H13	610x915x292	27,0	125	3000	240
HHS-H13-G20-610x1220-FC/C	H13	610x1220x292	36,0	125	4000	240
HHS-H14-G20-305x305-FC/C	H14	305x305x292	5,0	125	500	250
HHS-H14-G20-305x610-FC/C	H14	305x610x292	10,0	125	1000	250
HHS-H14-G20-457x610-FC/C	H14	457x610x292	15,0	125	1500	250
HHS-H14-G20-610x610-FC/C	H14	610x610x292	20,0	125	2000	250
HHS-H14-G20-610x762-FC/C	H14	610x762x292	25,0	125	2500	250
HHS-H14-G20-610x915-FC/C	H14	610x915x292	30,0	125	3000	250
HHS-H14-G20-610x1220-FC/C	H14	610x1220x292	40,0	125	4000	250

Other dimensions are available on request.



HHS-H14-G20-610x610-FC/C

Filter Model	Single Pleat	HHS
Filter Class	H14 (EN1822)	H14
Frame Material	Galvanized	G
Nominal Capacity*	2000m ³ /h	20
Filter Dimensions	WxH (mm)	610x610
Faceguard Side	Clean Side	FC
Gasket	EPDM Flat	C

*According to 610x610 dimensions



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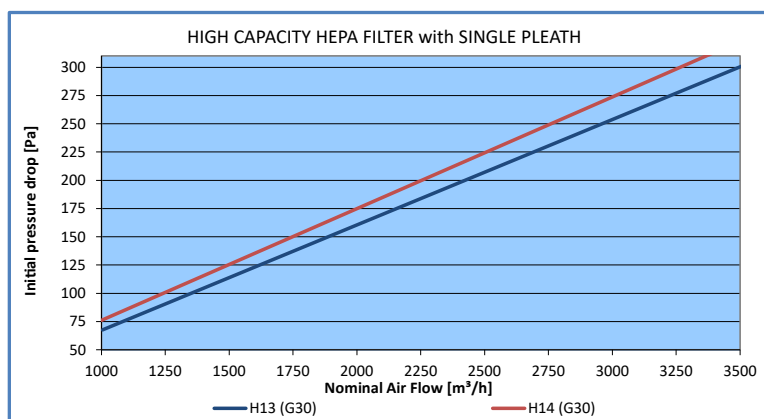
AIR FILTER TECHNOLOGY (EN1822)

HIGH CAPACITY HEPA FILTER with SINGLE PLEAT (METAL)

(G30 - PH;150mm)

Filter Model	Filter Class (EN1822)	Dimensions WxHxD (mm)	Filtration Area (m ²)	Pleat Height (mm)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
HHS-H13-G30-305x305-FC/C	H13	305x305x292	6,5	150	750	250
HHS-H13-G30-305x610-FC/C	H13	305x610x292	13,0	150	1500	250
HHS-H13-G30-457x610-FC/C	H13	457x610x292	19,5	150	2250	250
HHS-H13-G30-610x610-FC/C	H13	610x610x292	26,0	150	3000	250
HHS-H13-G30-610x762-FC/C	H13	610x762x292	32,5	150	3750	250
HHS-H13-G30-610x915-FC/C	H13	610x915x292	39,0	150	4500	250
HHS-H13-G30-610x1220-FC/C	H13	610x1220x292	52,0	150	6000	250
HHS-H14-G30-305x305-FC/C	H14	305x305x292	7,5	150	750	270
HHS-H14-G30-305x610-FC/C	H14	305x610x292	15,0	150	1500	270
HHS-H14-G30-457x610-FC/C	H14	457x610x292	22,5	150	2250	270
HHS-H14-G30-610x610-FC/C	H14	610x610x292	30,0	150	3000	270
HHS-H14-G30-610x762-FC/C	H14	610x762x292	37,5	150	3750	270
HHS-H14-G30-610x915-FC/C	H14	610x915x292	45,0	150	4500	270
HHS-H14-G30-610x1220-FC/C	H14	610x1220x292	60,0	150	6000	270

Other dimensions are available on request.



HHS-H14-G30-610x610-FC/C

Filter Model	Single Pleat	HHS
Filter Class	H14 (EN1822)	H14
Frame Material	Galvanized	G
Nominal Capacity*	3000m ³ /h	30
Filter Dimensions	WxH (mm)	610x610
Faceguard Side	On Clean Side	FC
Gasket	EPDM Flat	C

*According to 610x610 dimensions



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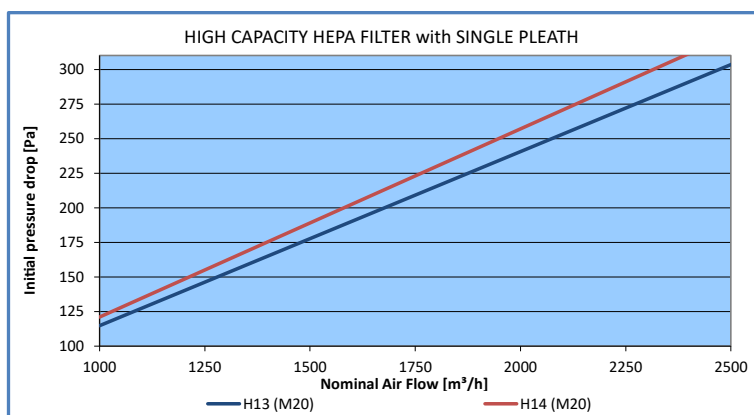
AIR FILTER TECHNOLOGY (EN1822)

HIGH CAPACITY HEPA FILTER with SINGLE PLEAT (METAL)

(M20 - PH;125mm)

Filter Model	Filter Class (EN1822)	Dimensions WxHxD (mm)	Filtration Area (m ²)	Pleat Height (mm)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
HHS-H13-M20-305x305-FW/P	H13	305x305x292	4,5	125	500	240
HHS-H13-M20-305x610-FW/P	H13	305x610x292	9,0	125	1000	240
HHS-H13-M20-457x610-FW/P	H13	457x610x292	13,5	125	1500	240
HHS-H13-M20-610x610-FW/P	H13	610x610x292	18,0	125	2000	240
HHS-H13-M20-610x762-FW/P	H13	610x762x292	22,5	125	2500	240
HHS-H13-M20-610x915-FW/P	H13	610x915x292	27,0	125	3000	240
HHS-H13-M20-610x1220-FW/P	H13	610x1220x292	36,0	125	4000	240
HHS-H14-M20-305x305-FW/P	H14	305x305x292	5,0	125	500	250
HHS-H14-M20-305x610-FW/P	H14	305x610x292	10,0	125	1000	250
HHS-H14-M20-457x610-FW/P	H14	457x610x292	15,0	125	1500	250
HHS-H14-M20-610x610-FW/P	H14	610x610x292	20,0	125	2000	250
HHS-H14-M20-610x762-FW/P	H14	610x762x292	25,0	125	2500	250
HHS-H14-M20-610x915-FW/P	H14	610x915x292	30,0	125	3000	250
HHS-H14-M20-610x1220-FW/P	H14	610x1220x292	40,0	125	4000	250

Other dimensions are available on request.



HHS-H13-M20-610x610-FW/P

Filter Model	Single Pleat	HHS
Filter Class	H13 (EN1822)	H13
Frame Material	MDF	M
Nominal Capacity*	2000m ³ /h	20
Filter Dimensions	WxH (mm)	610x610
Faceguard Side	Without	FW
Gasket	Pu Foam	P

*According to 610x610 dimensions



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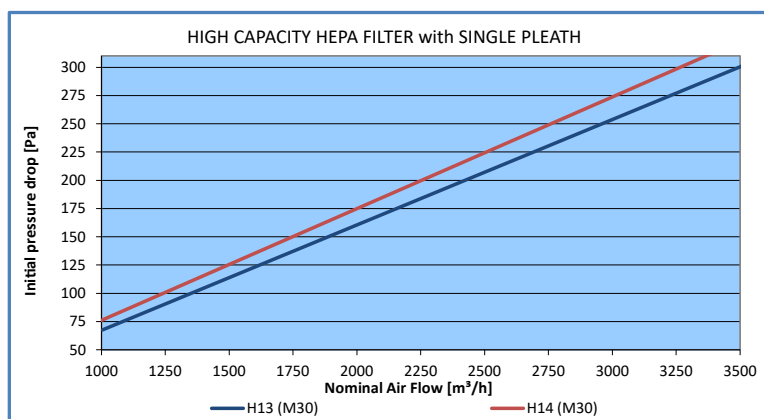
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HIGH CAPACITY HEPA FILTER with SINGLE PLEAT (METAL)

(M30 - PH;150mm)

Filter Model	Filter Class (EN1822)	Dimensions WxHxD (mm)	Filtration Area (m ²)	Pleat Height (mm)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
HHS-H13-M30-305x305-FW/P	H13	305x305x292	6,5	150	750	250
HHS-H13-M30-305x610-FW/P	H13	305x610x292	13,0	150	1500	250
HHS-H13-M30-457x610-FW/P	H13	457x610x292	19,5	150	2250	250
HHS-H13-M30-610x610-FW/P	H13	610x610x292	26,0	150	3000	250
HHS-H13-M30-610x762-FW/P	H13	610x762x292	32,5	150	3750	250
HHS-H13-M30-610x915-FW/P	H13	610x915x292	39,0	150	4500	250
HHS-H13-M30-610x1220-FW/P	H13	610x1220x292	52,0	150	6000	250
HHS-H14-M30-305x305-FW/P	H14	305x305x292	7,5	150	750	270
HHS-H14-M30-305x610-FW/P	H14	305x610x292	15,0	150	1500	270
HHS-H14-M30-457x610-FW/P	H14	457x610x292	22,5	150	2250	270
HHS-H14-M30-610x610-FW/P	H14	610x610x292	30,0	150	3000	270
HHS-H14-M30-610x762-FW/P	H14	610x762x292	37,5	150	3750	270
HHS-H14-M30-610x915-FW/P	H14	610x915x292	45,0	150	4500	270
HHS-H14-M30-610x1220-FW/P	H14	610x1220x292	60,0	150	6000	270

Other dimensions are available on request.



HHS-H13-M30-610x610-FW/P

Filter Model	Single Pleat	HHS
Filter Class	H13 (EN1822)	H13
Frame Material	MDF	M
Nominal Capacity*	3000m ³ /h	30
Filter Dimensions	WxH (mm)	610x610
Faceguard Side	Without	FW
Gasket	Pu Foam	P

*According to 610x610 dimensions



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