

EPA/HEPA/ULPA PANEL FILTER



Specifications

- Optimized velocity distribution
- Low pressure drop, less energy consumption
- Guaranteed leak-free
- Available in all grades
- Various frame sizes with any dimensions

Filter Class; H13 - H14 - U15

Media; High quality glass fibre

Sealing Compound; Two component polyurethane

Separators; Hotmelt

Frame type; Anodized, extruded aluminium

Flammability Class; K1/F1 for normal Temp.

Faceguard; Aluminium sheet (powder coated)

Max. Final Pressure Drop; 600 Pa

Gasket; EPDM flat, EPDM flat continuous and PU foam








Max. Operating Temperature; 75°C

High-efficiency HEPA panel filters protect people, equipment and processes from airborne particulate contamination. They are designed for clean room ceilings and cleanroom work tables requiring high or very high levels of air purity to provide laminar flow.

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.

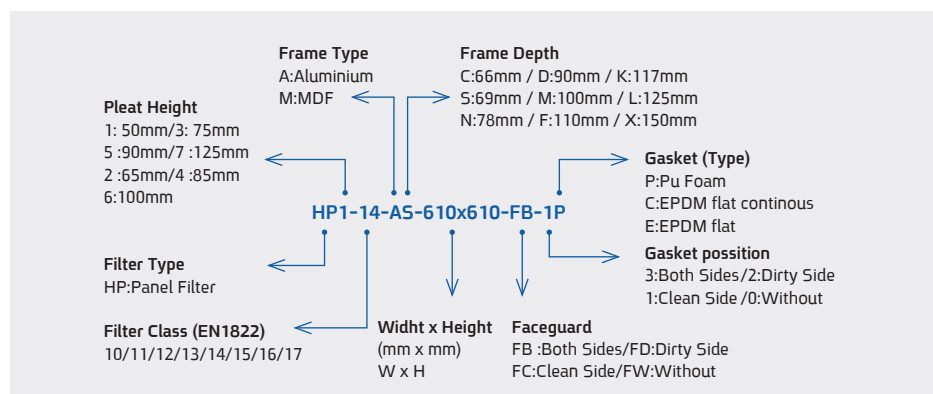
Filtration area and pleat height designed with the optimum value are more important for performance of filters. The filters having high pleat height offer a good solution with lower operating costs and significantly reducing energy consumption.

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.

Filter Pleat	Pleat Height (PH-...)(mm)	Pleat Code	Filtration area per m ² face area	Filter Class (EN1822)	Pack resistance (Pa) @ nominal air velocity (0,45m/s)	Available Frame Code for pleat	Available Frame Depth for pleat (mm)
	50	1	24.2	H13	100	AC, AS, AN, ASM, AD, AM, AF, AK, AL, AX	66, 69, 78, 89, 90, 100, 110, 117, 125, 150
			25.3	H14	125		
			26.9	U15	140		
	65	2	31.4	H13	85	AD, AM, AF, AK, AL, AX	90, 100, 110, 117, 125, 150
			32.8	H14	110		
	75	3	36.3	H13	75	AM, AF, AK, AL, AX	100, 110, 117, 125, 150
			37.9	H14	90		
	85	4	41.1	H13	70	AF, AK, AL, AX	110, 117, 125, 150
			43.0	H14	85		
	90	5	41.1	H13	70	AK, AL, AX	117, 125, 150
			43.0	H14	85		
	100	6	48.4	H13	65	AL, AX	125, 150
			50.5	H14	80		
	125	7	60.5	H13	55	AX	150
			63.2	H14	70		

* Other pleat heights are available for special applications.

* Differential Pressure Tolerance ±10%





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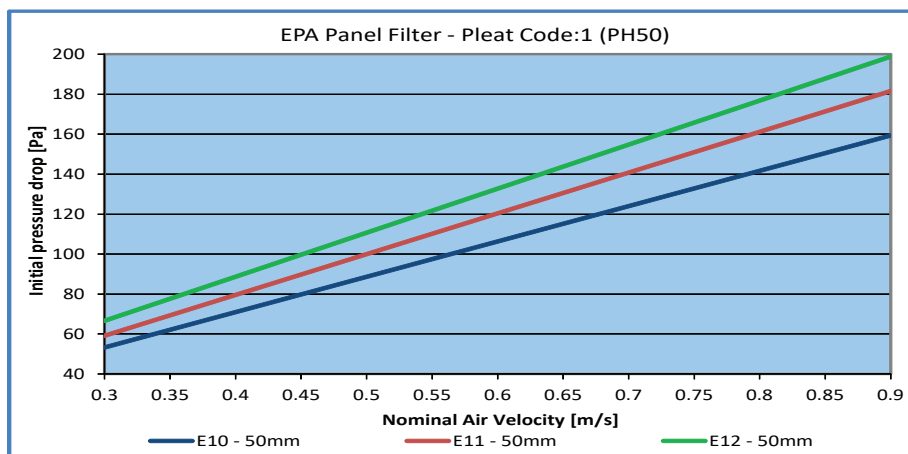
EPA/HEPA/ULPA PANEL FILTER

(AN;78MM - PH;50MM)



Filter Model	Filter Class (EN1822)	Dimensions WxHxD (mm)	Filtration Area (m ²)	Pleat Height (mm)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
HP1-10-AN-305x305-FC-1P	E10	305x305x78	2.3	50	150	80
HP1-10-AN-305x610-FC-1P	E10	305x610x78	4.5	50	300	80
HP1-10-AN-457x457-FC-1P	E10	457x457x78	5.1	50	340	80
HP1-10-AN-610x610-FC-1P	E10	610x610x78	9.0	50	600	80
HP1-10-AN-610x762-FC-1P	E10	610x762x78	11.2	50	750	80
HP1-10-AN-610x915-FC-1P	E10	610x915x78	13.5	50	900	80
HP1-10-AN-610x1220-FC-1P	E10	610x1220x78	18.0	50	1200	80
HP1-11-AN-305x305-FC-1P	E11	305x305x78	2.3	50	150	90
HP1-11-AN-305x610-FC-1P	E11	305x610x78	4.5	50	300	90
HP1-11-AN-457x457-FC-1P	E11	457x457x78	5.1	50	340	90
HP1-11-AN-610x610-FC-1P	E11	610x610x78	9.0	50	600	90
HP1-11-AN-610x762-FC-1P	E11	610x762x78	11.2	50	750	90
HP1-11-AN-610x915-FC-1P	E11	610x915x78	13.5	50	900	90
HP1-11-AN-610x1220-FC-1P	E11	610x1220x78	18.0	50	1200	90
HP1-12-AN-305x305-FC-1P	E12	305x305x78	2.3	50	150	100
HP1-12-AN-305x610-FC-1P	E12	305x610x78	4.5	50	300	100
HP1-12-AN-457x457-FC-1P	E12	457x457x78	5.1	50	340	100
HP1-12-AN-610x610-FC-1P	E12	610x610x78	9.0	50	600	100
HP1-12-AN-610x762-FC-1P	E12	610x762x78	11.2	50	750	100
HP1-12-AN-610x915-FC-1P	E12	610x915x78	13.5	50	900	100
HP1-12-AN-610x1220-FC-1P	E12	610x1220x78	18.0	50	1200	100

* Other Dimensions are available on request.



HP1-11-AN-610x610-FC-1P		
Filter Model	Epa Panel	HP
Pleat Code	PH;50mm	1
Filter Class	E11 (EN1822)	11
Frame Material	Aluminium	A
Filter Depth	78mm	N
Filter Dimensions	WxH (mm)	610x610
Faceguard Side	On Clean Side	FC
Gasket position	clean side	1
Gasket type	PU	P



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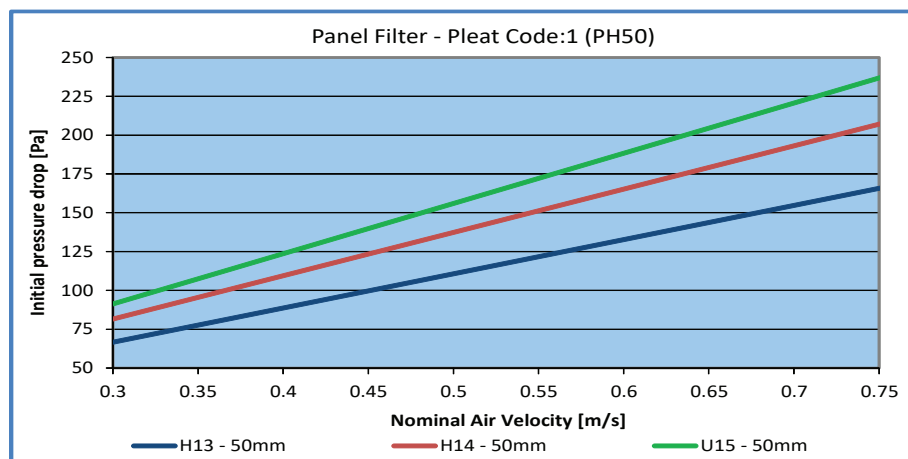
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EPA/HEPA/ULPA PANEL FILTER

(AN;78MM - PH;50MM)

Filter Model	Filter Class (EN1822)	Dimensions WxHxD (mm)	Filtration Area (m ²)	Pleat Height (mm)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
HP1-13-AN-305x305-FC-1P	H13	305x305x78	2.3	50	150	100
HP1-13-AN-305x610-FC-1P	H13	305x610x78	4.5	50	300	100
HP1-13-AN-457x457-FC-1P	H13	457x457x78	5.1	50	340	100
HP1-13-AN-457x610-FC-1P	H13	457x610x78	6.7	50	450	100
HP1-13-AN-535x535-FC-1P	H13	535x535x78	6.9	50	465	100
HP1-13-AN-575x575-FC-1P	H13	575x575x78	8.0	50	535	100
HP1-13-AN-610x610-FC-1P	H13	610x610x78	9.0	50	600	100
HP1-13-AN-610x762-FC-1P	H13	610x762x78	11.2	50	750	100
HP1-13-AN-610x915-FC-1P	H13	610x915x78	13.5	50	900	100
HP1-13-AN-762x762-FC-1P	H13	762x762x78	14.0	50	940	100
HP1-13-AN-915x915-FC-1P	H13	915x915x78	20.3	50	1350	100
HP1-13-AN-610x1220-FC-1P	H13	610x1220x78	18.0	50	1200	100
HP1-13-AN-610x1525-FC-1P	H13	610x1525x78	22.5	50	1500	100
HP1-13-AN-610x1830-FC-1P	H13	610x1830x78	27.0	50	1800	100
HP1-14-AN-305x305-FC-1P	H14	305x305x78	2.4	50	150	125
HP1-14-AN-305x610-FC-1P	H14	305x610x78	4.7	50	300	125
HP1-14-AN-457x457-FC-1P	H14	457x457x78	5.3	50	340	125
HP1-14-AN-457x610-FC-1P	H14	457x610x78	7.0	50	450	125
HP1-14-AN-535x535-FC-1P	H14	535x535x78	7.2	50	465	125
HP1-14-AN-575x575-FC-1P	H14	575x575x78	8.4	50	535	125
HP1-14-AN-610x610-FC-1P	H14	610x610x78	9.4	50	600	125
HP1-14-AN-610x762-FC-1P	H14	610x762x78	11.7	50	750	125
HP1-14-AN-610x915-FC-1P	H14	610x915x78	14.1	50	900	125
HP1-14-AN-762x762-FC-1P	H14	762x762x78	14.7	50	940	125
HP1-14-AN-915x915-FC-1P	H14	915x915x78	21.2	50	1350	125
HP1-14-AN-610x1220-FC-1P	H14	610x1220x78	18.8	50	1200	125
HP1-14-AN-610x1525-FC-1P	H14	610x1525x78	23.5	50	1500	125
HP1-14-AN-610x1830-FC-1P	H14	610x1830x78	28.2	50	1800	125
HP1-15-AN-305x305-FC-1P	U15	305x305x78	2.5	50	150	140
HP1-15-AN-305x610-FC-1P	U15	305x610x78	5.0	50	300	140
HP1-15-AN-457x457-FC-1P	U15	457x457x78	5.6	50	340	140
HP1-15-AN-610x610-FC-1P	U15	610x610x78	10.0	50	600	140
HP1-15-AN-610x762-FC-1P	U15	610x762x78	12.5	50	750	140
HP1-15-AN-610x915-FC-1P	U15	610x915x78	15.0	50	900	140
HP1-15-AN-610x1220-FC-1P	U15	610x1220x78	20.0	50	1200	140

* Other Dimensions are available on request.



HP1-14-AN-610x610-FC-1P		
Filter Model	Hepa Panel	HP
Pleat Code	PH;50mm	1
Filter Class	H14 (EN1822)	14
Frame Material	Aluminium	A
Filter Depth	78mm	N
Filter Dimensions	WxH (mm)	610x610
Faceguard Side	On Clean Side	FC
Gasket position	clean side	1
Gasket type	PU	P



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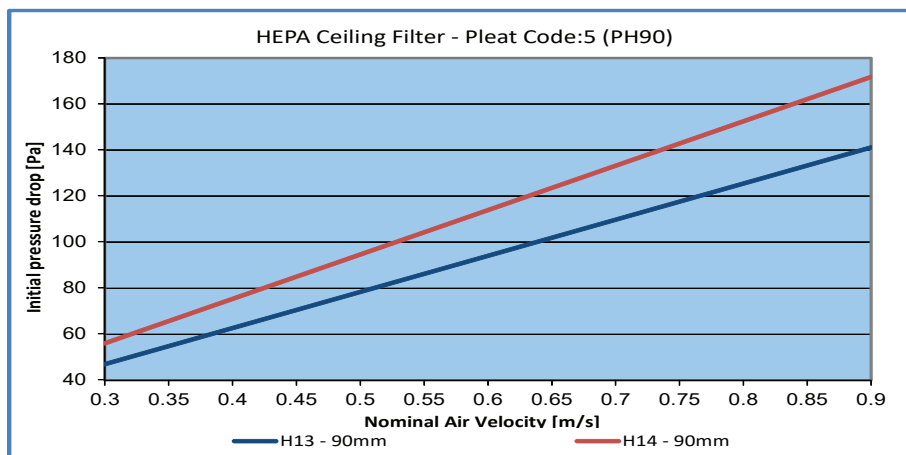
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HEPA/EPA/ULPA CEILING FILTER

(AM; 100MM & AK; 117MM - PH; 75MM & 90MM)

Filter Model	Filter Class (EN1822)	Dimensions WxHxD (mm)	Filtration Area (m ²)	Pleat Height (mm)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
HP3-13-AM-305x305-FB-1P	H13	305x305x100	3.4	75	150	75
HP3-13-AM-305x610-FB-1P	H13	305x610x100	6.8	75	300	75
HP3-13-AM-457x457-FB-1P	H13	457x457x100	7.6	75	340	75
HP3-13-AM-610x610-FB-1P	H13	610x610x100	13.5	75	600	75
HP3-13-AM-610x762-FB-1P	H13	610x762x100	16.9	75	750	75
HP3-13-AM-610x915-FB-1P	H13	610x915x100	20.3	75	900	75
HP3-13-AM-610x1220-FB-1P	H13	610x1220x100	27.0	75	1200	75
HP3-14-AM-305x305-FB-1P	H14	305x305x100	3.5	75	150	90
HP3-14-AM-305x610-FB-1P	H14	305x610x100	7.1	75	300	90
HP3-14-AM-457x457-FB-1P	H14	457x457x100	7.9	75	340	90
HP3-14-AM-610x610-FB-1P	H14	610x610x100	14.1	75	600	90
HP3-14-AM-610x762-FB-1P	H14	610x762x100	17.6	75	750	90
HP3-14-AM-610x915-FB-1P	H14	610x915x100	21.2	75	900	90
HP3-14-AM-610x1220-FB-1P	H14	610x1220x100	28.2	75	1200	90
HP5-13-AK-305x305-FB-1P	H13	305x305x117	3.8	90	150	70
HP5-13-AK-305x610-FB-1P	H13	305x610x117	7.7	90	300	70
HP5-13-AK-457x457-FB-1P	H13	457x457x117	8.6	90	340	70
HP5-13-AK-610x610-FB-1P	H13	610x610x117	15.3	90	600	70
HP5-13-AK-610x762-FB-1P	H13	610x762x117	19.1	90	750	70
HP5-13-AK-610x915-FB-1P	H13	610x915x117	23.0	90	900	70
HP5-13-AK-610x1220-FB-1P	H13	610x1220x117	30.6	90	1200	70
HP5-14-AK-305x305-FB-1P	H14	305x305x117	4.0	90	150	85
HP5-14-AK-305x610-FB-1P	H14	305x610x117	8.0	90	300	85
HP5-14-AK-457x457-FB-1P	H14	457x457x117	9.0	90	340	85
HP5-14-AK-610x610-FB-1P	H14	610x610x117	16.0	90	600	85
HP5-14-AK-610x762-FB-1P	H14	610x762x117	20.0	90	750	85
HP5-14-AK-610x915-FB-1P	H14	610x915x117	24.0	90	900	85
HP5-14-AK-610x1220-FB-1P	H14	610x1220x117	32.0	90	1200	85

* Other Dimensions are available on request.



HP5-14-AK-610x610-FB-1P		
Filter Model	Panel Filter	HP
Pleat Code	PH:90mm	5
Filter Class	H14 (EN1822)	14
Frame Material	Aluminium	A
Filter Depth	117mm	K
Filter Dimensions	WxH (mm)	610x610
Faceguard Side	Bothside	FB
Gasket possition	clean side	1
Gasket type	PU	P



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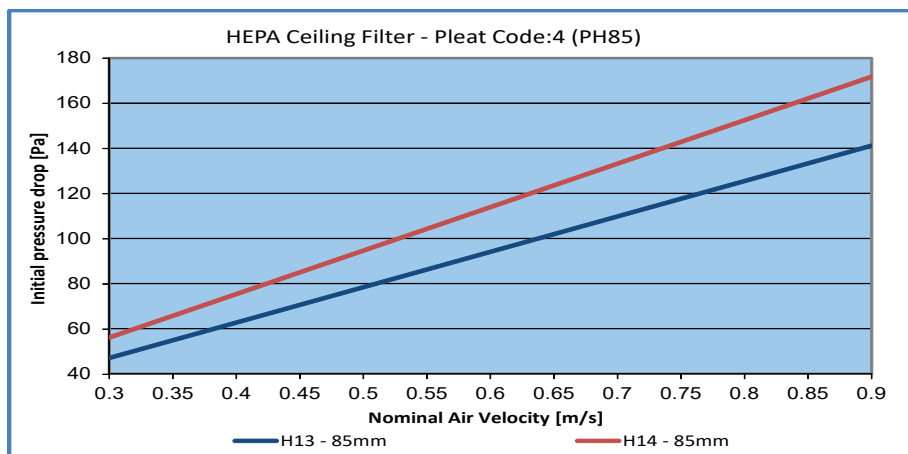
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EPA/HEPA/ULPA PANEL FILTER

(AF;110MM - PH; 65MM & 85MM)

Filter Model	Filter Class (EN1822)	Dimensions WxHxD (mm)	Filtration Area (m ²)	Pleat Height (mm)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
HP2-13-AD-305x305-FB-1P	H13	305x305x90	2.9	65	150	85
HP2-13-AD-305x610-FB-1P	H13	305x610x90	5.9	65	300	85
HP2-13-AD-457x457-FB-1P	H13	457x457x90	6.6	65	340	85
HP2-13-AD-610x610-FB-1P	H13	610x610x90	11.7	65	600	85
HP2-13-AD-610x762-FB-1P	H13	610x762x90	14.6	65	750	85
HP2-13-AD-610x915-FB-1P	H13	610x915x90	17.6	65	900	85
HP2-13-AD-610x1220-FB-1P	H13	610x1220x90	23.4	65	1200	85
HP2-14-AD-305x305-FB-1P	H14	305x305x90	3.1	65	150	110
HP2-14-AD-305x610-FB-1P	H14	305x610x90	6.1	65	300	110
HP2-14-AD-457x457-FB-1P	H14	457x457x90	6.9	65	340	110
HP2-14-AD-610x610-FB-1P	H14	610x610x90	12.2	65	600	110
HP2-14-AD-610x762-FB-1P	H14	610x762x90	15.3	65	750	110
HP2-14-AD-610x915-FB-1P	H14	610x915x90	18.3	65	900	110
HP2-14-AD-610x1220-FB-1P	H14	610x1220x90	24.4	65	1200	110
HP4-13-AF-305x305-FB-1P	H13	305x305x110	3.8	85	150	70
HP4-13-AF-305x610-FB-1P	H13	305x610x110	7.7	85	300	70
HP4-13-AF-457x457-FB-1P	H13	457x457x110	8.6	85	340	70
HP4-13-AF-610x610-FB-1P	H13	610x610x110	15.3	85	600	70
HP4-13-AF-610x762-FB-1P	H13	610x762x110	19.1	85	750	70
HP4-13-AF-610x915-FB-1P	H13	610x915x110	23.0	85	900	70
HP4-13-AF-610x1220-FB-1P	H13	610x1220x110	30.6	85	1200	70
HP4-14-AF-305x305-FB-1P	H14	305x305x110	4.0	85	150	85
HP4-14-AF-305x610-FB-1P	H14	305x610x110	8.0	85	300	85
HP4-14-AF-457x457-FB-1P	H14	457x457x110	9.0	85	340	85
HP4-14-AF-610x610-FB-1P	H14	610x610x110	16.0	85	600	85
HP4-14-AF-610x762-FB-1P	H14	610x762x110	20.0	85	750	85
HP4-14-AF-610x915-FB-1P	H14	610x915x110	24.0	85	900	85
HP4-14-AF-610x1220-FB-1P	H14	610x1220x110	32.0	85	1200	85

* Other Dimensions are available on request.



HP4-14-AF-610x610-FB-1P		
Filter Model	Panel Filter	HP
Pleat Code	PH:90mm	4
Filter Class	H14 (EN1822)	14
Frame Material	Aluminium	A
Filter Depth	117mm	K
Filter Dimensions	WxH (mm)	610x610
Faceguard Side	Bothside	FB
Gasket possition	clean side	1
Gasket type	PU	P



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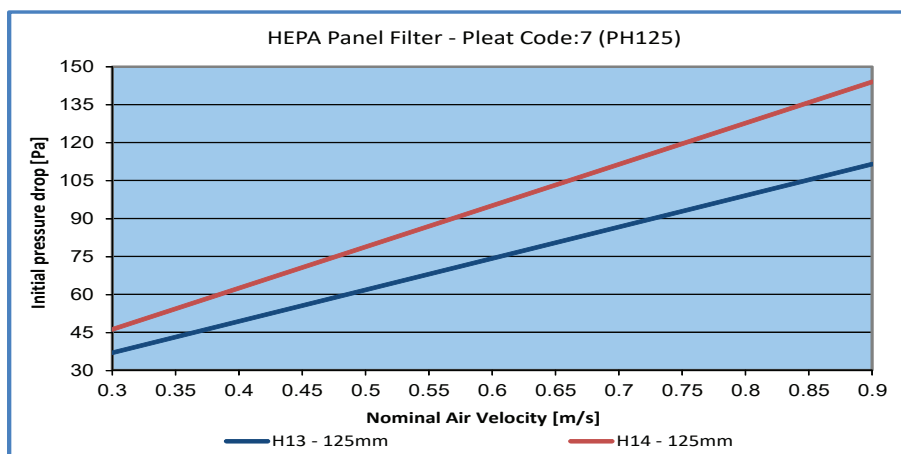
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HEPA/EPA/ULPA CEILING FILTER

(AX;150MM - PH; 100MM & 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)
HP6-13-AL-305x305-FB-1P	H13	305x305x125	4.5	100	150	65
HP6-13-AL-305x610-FB-1P	H13	305x610x125	9.0	100	300	65
HP6-13-AL-457x457-FB-1P	H13	457x457x125	10.1	100	340	65
HP6-13-AL-610x610-FB-1P	H13	610x610x125	18.0	100	600	65
HP6-13-AL-610x762-FB-1P	H13	610x762x125	22.5	100	750	65
HP6-13-AL-610x915-FB-1P	H13	610x915x125	27.0	100	900	65
HP6-13-AL-610x1220-FB-1P	H13	610x1220x125	36.0	100	1200	65
HP6-14-AL-305x305-FB-1P	H14	305x305x125	4.7	100	150	80
HP6-14-AL-305x610-FB-1P	H14	305x610x125	9.4	100	300	80
HP6-14-AL-457x457-FB-1P	H14	457x457x125	10.6	100	340	80
HP6-14-AL-610x610-FB-1P	H14	610x610x125	18.8	100	600	80
HP6-14-AL-610x762-FB-1P	H14	610x762x125	23.5	100	750	80
HP6-14-AL-610x915-FB-1P	H14	610x915x125	28.2	100	900	80
HP6-14-AL-610x1220-FB-1P	H14	610x1220x125	37.6	100	1200	80
HP7-13-AX-305x305-FB-1P	H13	305x305x150	5.6	125	150	55
HP7-13-AX-305x610-FB-1P	H13	305x610x150	11.3	125	300	55
HP7-13-AX-457x457-FB-1P	H13	457x457x150	12.6	125	340	55
HP7-13-AX-610x610-FB-1P	H13	610x610x150	22.5	125	600	55
HP7-13-AX-610x762-FB-1P	H13	610x762x150	28.1	125	750	55
HP7-13-AX-610x915-FB-1P	H13	610x915x150	33.8	125	900	55
HP7-13-AX-610x1220-FB-1P	H13	610x1220x150	45.0	125	1200	55
HP7-14-AX-305x305-FB-1P	H14	305x305x150	5.9	125	150	70
HP7-14-AX-305x610-FB-1P	H14	305x610x150	11.8	125	300	70
HP7-14-AX-457x457-FB-1P	H14	457x457x150	13.2	125	340	70
HP7-14-AX-610x610-FB-1P	H14	610x610x150	23.5	125	600	70
HP7-14-AX-610x762-FB-1P	H14	610x762x150	29.4	125	750	70
HP7-14-AX-610x915-FB-1P	H14	610x915x150	35.3	125	900	70
HP7-14-AX-610x1220-FB-1P	H14	610x1220x150	47.0	125	1200	70

* Other Dimensions are available on request.



HP6-14-AF-610x610-FB-1P		
Filter Model	Panel Filter	HP
Pleat Code	PH;100mm	6
Filter Class	H14 (EN1822)	14
Frame Material	Aluminium	A
Filter Depth	150mm	K
Filter Dimensions	WxH (mm)	610x610
Faceguard Side	Bothside	FB
Gasket position	clean side	1
Gasket type	PU	P