

# AIR FILTER TECHNOLOGY (EN1822)

## HEPA TERMINAL HOOD FILTER with Aluminium Frame

### Specifications

- Optimized velocity distribution
- Low pressure drop, less energy consumption
- Guaranteed leak-free
- Adjustable airflow by means of a damper
- Ready to install
- Aluminium cover and spigot
- Disposable filter modules
- With individual test certificated
- Factory sealed unit filter
- Interchangeable with existing filters
- Assembled without screws or fasteners
- Emery (DOP) and ΔP nozzles included



**Filter Class;** H13 - H14 - U15  
**Sealing Compound;** Two component polyurethane  
**Frame type;** Anodized, extruded aluminium  
**Faceguard;** Aluminium sheet, powder coated  
**Spigot Diameter;** 160-200-250-315mm

**Media;** High quality glass fibre  
**Separators;** Hotmelt  
**Flammability Class;** K2/F2 for normal Temp.  
**Max. Final Pressure Drop;** 600 Pa  
**Max. Operating Temperature;** 75°C

Filter Pleat	Pleat Height (PH-...)(mm)	Pleat Code	Filtration area per m <sup>2</sup> face area	Filter Class (EN1822)	Pack resistance @ nominal air velocity (0,45m/s)	Available Frame Code for pleat	Available Frame Depth for pleat (mm)
	50	1	29,6	H13	90	(HTH) AL, AX	125, 175
			29,6	H14	115		
			29,6	U15	135		
	100	6	48,4	H13	65	(HTH) AX	175
			50,5	H14	80		
			53,7	U15	100		

\* Other pleat heights are available for special applications.  
 \* Differential Pressure Tolerance ±10%

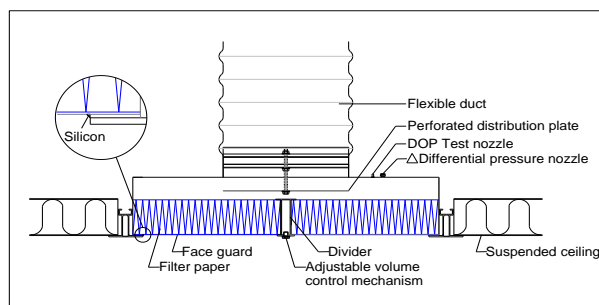
High-efficiency HEPA Terminal Hood filters protect people, equipment and processes from airborne particulate contamination. HEPA Terminal Hood filters are used in air ventilation and air conditioning plants requiring high or very high levels of air purity. They are designed for clean room ceilings and clean work tables 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, nuclear energy and nuclear research.

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

Volume can be adjusted by perforated distribution plate from roomside with a screwdriver through an access port located in the center of the unit. For an optional application where the volume control is not necessary the fixed distribution plate is also available (divider is not included).

Note: Add 15Pa to initial resistance for hood construction



**HTH-H14-AL-610x610-FC1/10M**

<p><b>Filter Type</b></p> <p>HTH :HEPA Terminal Hood Filter              UTH :ULPA Terminal Hood Filter</p> <p><b>Filter Class (EN1822)</b></p> <p>H13 H14 U15</p> <p><b>Frame Type</b></p> <p>A :Aluminium</p> <p><b>Frame Depth</b></p> <p>L :125mm X :175mm</p>	<p><b>Spigot Diameter (Ø)</b></p> <p>S :160mm M :250mm Z :Special              N :200mm L :315mm</p> <p><b>Gasket</b></p> <p>O :Without E :EPDM P :Pu Foam</p> <p><b>Pleat Height</b></p> <p>1 :50mm 6 :100mm</p> <p><b>Adjustable Mechanism</b></p> <p>FC1 :Without Adjustable Mechanism              FC2 :With Adjustable Mechanism</p> <p><b>Width x Height (mm x mm)</b></p> <p>W x H</p>
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*ADVANCED FILTRATION FOR A BETTER FUTURE!*

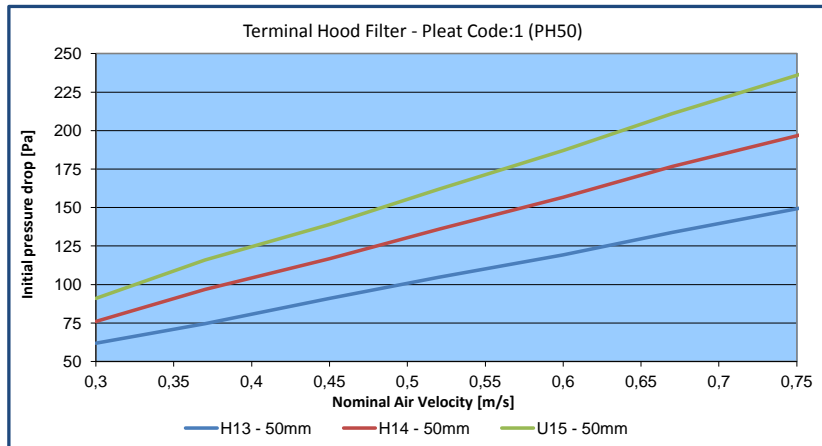
# AIR FILTER TECHNOLOGY (EN1822)

HEPA/ULPA TERMINAL HOOD FILTER with Aluminium Frame

(AL;125mm - PH;50mm)

Filter Model	Filter Class (EN1822)	Dimensions WxHxD (mm)	Spigot Diameter (mm)	Filtration Area (m <sup>2</sup> )	Pleat Height (mm)	Nominal Airflow (m <sup>3</sup> /h)	Initial Pressure Drop (Pa)
HTH-H13-AL-305x305-FC1/10S	H13	305x305x125	160	2,8	50	150	90
HTH-H13-AL-305x610-FC1/10N	H13	305x610x125	200	5,5	50	300	90
HTH-H13-AL-457x457-FC1/10N	H13	457x457x125	200	6,2	50	340	90
HTH-H13-AL-610x610-FC1/10M	H13	610x610x125	250	11,0	50	600	90
HTH-H13-AL-610x762-FC1/10M	H13	610x762x125	250	13,7	50	750	90
HTH-H13-AL-610x915-FC1/10L	H13	610x915x125	315	16,5	50	900	90
HTH-H13-AL-610x1220-FC1/10L	H13	610x1220x125	315	22,0	50	1200	90
HTH-H14-AL-305x305-FC1/10S	H14	305x305x125	160	2,8	50	150	115
HTH-H14-AL-305x610-FC1/10N	H14	305x610x125	200	5,5	50	300	115
HTH-H14-AL-457x457-FC1/10N	H14	457x457x125	200	6,2	50	340	115
HTH-H14-AL-610x610-FC1/10M	H14	610x610x125	250	11,0	50	600	115
HTH-H14-AL-610x762-FC1/10M	H14	610x762x125	250	13,7	50	750	115
HTH-H14-AL-610x915-FC1/10L	H14	610x915x125	315	16,5	50	900	115
HTH-H14-AL-610x1220-FC1/10L	H14	610x1220x125	315	22,0	50	1200	115
UTH-U15-AL-305x305-FC1/10S	U15	305x305x125	160	2,8	50	150	135
UTH-U15-AL-305x610-FC1/10N	U15	305x610x125	200	5,5	50	300	135
UTH-U15-AL-457x457-FC1/10N	U15	457x457x125	200	6,2	50	340	135
UTH-U15-AL-610x610-FC1/10M	U15	610x610x125	250	11,0	50	600	135
UTH-U15-AL-610x762-FC1/10M	U15	610x762x125	250	13,7	50	750	135
UTH-U15-AL-610x915-FC1/10L	U15	610x915x125	315	16,5	50	900	135
UTH-U15-AL-610x1220-FC1/10L	U15	610x1220x125	315	22,0	50	1200	135

Other dimensions are available on request.



HTH-H14-AL-610x610-FC1/10M		
Filter Model	HEPA Hood	HTH
Filter Class	H14 (EN1822)	H14
Frame Material	Aluminium	A
Filter Depth	125mm	L
Filter Dimensions	WxH (mm)	610x610
Adj. Mechanism	Without	FC1
Pleat Code	PH;50mm	1
Gasket type	Without	0
Spigot Diameter	PH;250mm	M



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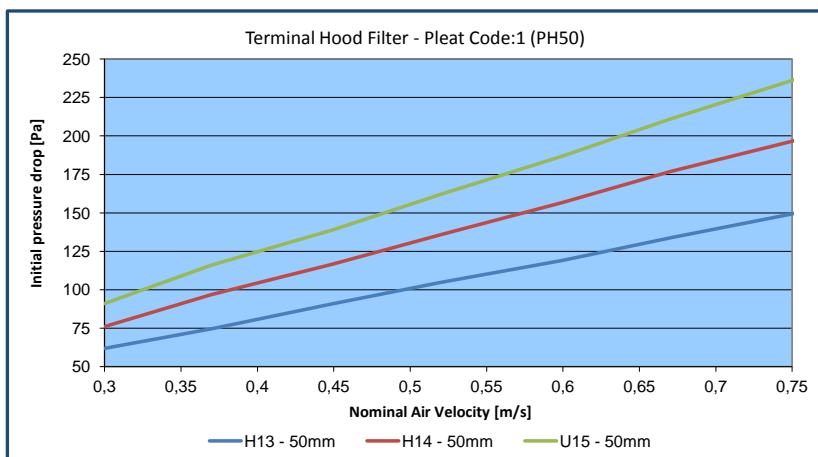
# AIR FILTER TECHNOLOGY (EN1822)

HEPA TERMINAL HOOD FILTER with Aluminium Frame

(AX;175mm - PH;50mm)

Filter Model	Filter Class (EN1822)	Dimensions WxHxD (mm)	Spigot Diameter (mm)	Filtration Area (m <sup>2</sup> )	Pleat Height (mm)	Nominal Airflow (m <sup>3</sup> /h)	Initial Pressure Drop (Pa)
HTH-H13-AX-305x305-FC2/10S	H13	305x305x175	160	2,8	50	150	90
HTH-H13-AX-305x610-FC2/10N	H13	305x610x175	200	5,5	50	300	90
HTH-H13-AX-457x457-FC2/10N	H13	457x457x175	200	6,2	50	340	90
HTH-H13-AX-610x610-FC2/10M	H13	610x610x175	250	11,0	50	600	90
HTH-H13-AX-610x762-FC2/10M	H13	610x762x175	250	13,7	50	750	90
HTH-H13-AX-610x915-FC2/10L	H13	610x915x175	315	16,5	50	900	90
HTH-H13-AX-610x1220-FC2/10L	H13	610x1220x175	315	22,0	50	1200	90
HTH-H14-AX-305x305-FC2/10S	H14	305x305x175	160	2,8	50	150	115
HTH-H14-AX-305x610-FC2/10N	H14	305x610x175	200	5,5	50	300	115
HTH-H14-AX-457x457-FC2/10N	H14	457x457x175	200	6,2	50	340	115
HTH-H14-AX-610x610-FC2/10M	H14	610x610x175	250	11,0	50	600	115
HTH-H14-AX-610x762-FC2/10M	H14	610x762x175	250	13,7	50	750	115
HTH-H14-AX-610x915-FC2/10L	H14	610x915x175	315	16,5	50	900	115
HTH-H14-AX-610x1220-FC2/10L	H14	610x1220x175	315	22,0	50	1200	115
UTH-U15-AX-305x305-FC2/10S	U15	305x305x175	160	2,8	50	150	135
UTH-U15-AX-305x610-FC2/10N	U15	305x610x175	200	5,5	50	300	135
UTH-U15-AX-457x457-FC2/10N	U15	457x457x175	200	6,2	50	340	135
UTH-U15-AX-610x610-FC2/10M	U15	610x610x175	250	11,0	50	600	135
UTH-U15-AX-610x762-FC2/10M	U15	610x762x175	250	13,7	50	750	135
UTH-U15-AX-610x915-FC2/10L	U15	610x915x175	315	16,5	50	900	135
UTH-U15-AX-610x1220-FC2/10L	U15	610x1220x175	315	22,0	50	1200	135

Other dimensions are available on request.



\* For other pleat heights check the curves acc. to pleat code.

## HTH-H14-AX-610x610-FC2/10M

Filter Model	HEPA Hood	HTH
Filter Class	H14 (EN1822)	H14
Frame Material	Aluminium	A
Filter Depth	175mm	X
Filter Dimensions	WxH (mm)	610x610
Adj. Mechanism	Available	FC2
Pleat Code	PH;50mm	1
Gasket type	Without	0
Spigot Diameter	PH;250mm	M



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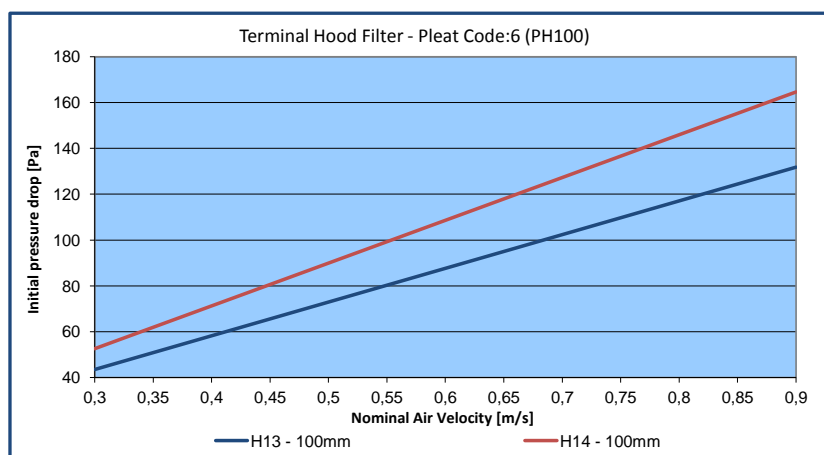
## AIR FILTER TECHNOLOGY (EN1822)

HEPA TERMINAL HOOD FILTER with Aluminium Frame

(AX;175mm - PH;100mm)

Filter Model	Filter Class (EN1822)	Dimensions WxHxD (mm)	Spigot Diameter (mm)	Filtration Area (m <sup>2</sup> )	Pleat Height (mm)	Nominal Airflow (m <sup>3</sup> /h)	Initial Pressure Drop (Pa)
HTH-H13-AX-305x305-FC1/60S	H13	305x305x175	160	4,5	100	150	65
HTH-H13-AX-305x610-FC1/60N	H13	305x610x175	200	9,0	100	300	65
HTH-H13-AX-457x457-FC1/60N	H13	457x457x175	200	10,1	100	340	65
HTH-H13-AX-610x610-FC1/60M	H13	610x610x175	250	18,0	100	600	65
HTH-H13-AX-610x762-FC1/60M	H13	610x762x175	250	22,5	100	750	65
HTH-H13-AX-610x915-FC1/60L	H13	610x915x175	315	27,0	100	900	65
HTH-H13-AX-610x1220-FC1/60L	H13	610x1220x175	315	36,0	100	1200	65
HTH-H14-AX-305x305-FC1/60S	H14	305x305x175	160	4,7	100	150	80
HTH-H14-AX-305x610-FC1/60N	H14	305x610x175	200	9,4	100	300	80
HTH-H14-AX-457x457-FC1/60N	H14	457x457x175	200	10,6	100	340	80
HTH-H14-AX-610x610-FC1/60M	H14	610x610x175	250	18,8	100	600	80
HTH-H14-AX-610x762-FC1/60M	H14	610x762x175	250	23,5	100	750	80
HTH-H14-AX-610x915-FC1/60L	H14	610x915x175	315	28,2	100	900	80
HTH-H14-AX-610x1220-FC1/60L	H14	610x1220x175	315	37,6	100	1200	80
UTH-U15-AX-305x305-FC1/60S	U15	305x305x175	160	5,0	100	150	100
UTH-U15-AX-305x610-FC1/60N	U15	305x610x175	200	10,0	100	300	100
UTH-U15-AX-457x457-FC1/60N	U15	457x457x175	200	11,2	100	340	100
UTH-U15-AX-610x610-FC1/60M	U15	610x610x175	250	20,0	100	600	100
UTH-U15-AX-610x762-FC1/60M	U15	610x762x175	250	25,0	100	750	100
UTH-U15-AX-610x915-FC1/60L	U15	610x915x175	315	30,0	100	900	100
UTH-U15-AX-610x1220-FC1/60L	U15	610x1220x175	315	40,0	100	1200	100

Other dimensions are available on request.



\* For other pleat heights check the curves acc. to pleat code.

### HTH-H14-AX-610x610-FC1/60M

Filter Model	HEPA Hood	HTH
Filter Class	H14 (EN1822)	H14
Frame Material	Aluminium	A
Filter Depth	175mm	X
Filter Dimensions	WxH (mm)	610x610
Adj. Mechanism	Without	FC1
Pleat Code	PH;100mm	6
Gasket type	Without	0
Spigot Diameter	PH;250mm	M



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