

## EPA/HEPA filters

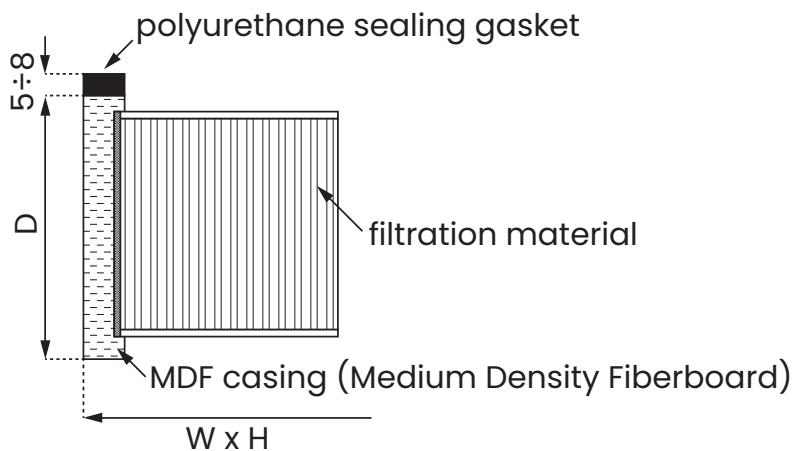
# UltraWood 78



PN-EN 1822:2009 Class:	E10, E11, H13, H14
Filtration material:	hydrophobic glass fiber (glass microfibers)
Separators:	hot melt
Casing:	MDF (Medium Density Fiberboard)
Bonding:	two-component, cold-mixed (polyurethane)
Sealing gasket:	on one side of the filter (continuous foam or flat)
Max. operating temperature:	80°C
Permissible relative humidity:	>90%
*Final pressure drop derived from the filter test standard:	500 Pa
Protective net:	optionally on one or both sides

1. Durable and rigid construction
2. High dust absorbency
3. Low pressure drop
4. Long filter lifespan
5. Low energy costs
6. Resistance to humidity
7. Flame retardant (F1 acc. DIN 53438)
8. Disposal without toxic compounds

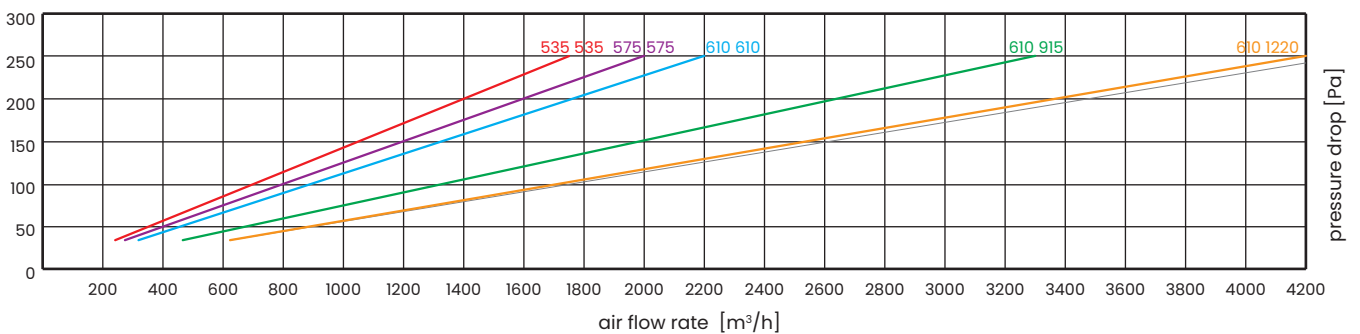
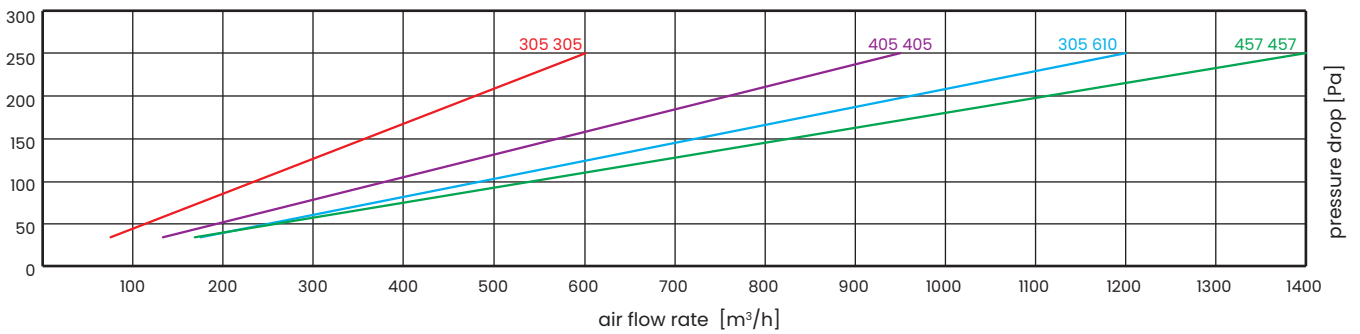
\* The final operating pressure drop of the filters should be checked in the technical documentation or consulted with the manufacturer of the equipment being operated.



We reserve the right to make changes to the technical specifications at any time without prior notice, resulting from the continuous improvement of our products. The values shown are approximate and may fluctuate within tolerances. HEPA filters (High Efficiency Particulate Air Filters) undergo complete quality control starting from checking the quality of components to a thorough inspection and control of the finished product.

Technical data for standard filters based on the results of laboratory tests carried out in accordance with EN 1822

Filtration Class	Product	Dimensions [mm]			Filtration Area [m <sup>2</sup> ]	Air Flow Rate [m <sup>3</sup> /h]	Initial Pressure Drop [Pa]
		W	H	D			
E10	UltraWood78	305	305	78	2,6	600	250
		405	405	78	4,6	950	250
		305	610	78	5,2	1200	250
		457	457	78	5,9	1400	250
		535	535	78	8,1	1750	250
		575	575	78	9,4	2000	250
		610	610	78	10,6	2200	250
		610	915	78	15,8	3300	250
		610	1220	78	21,2	4200	250

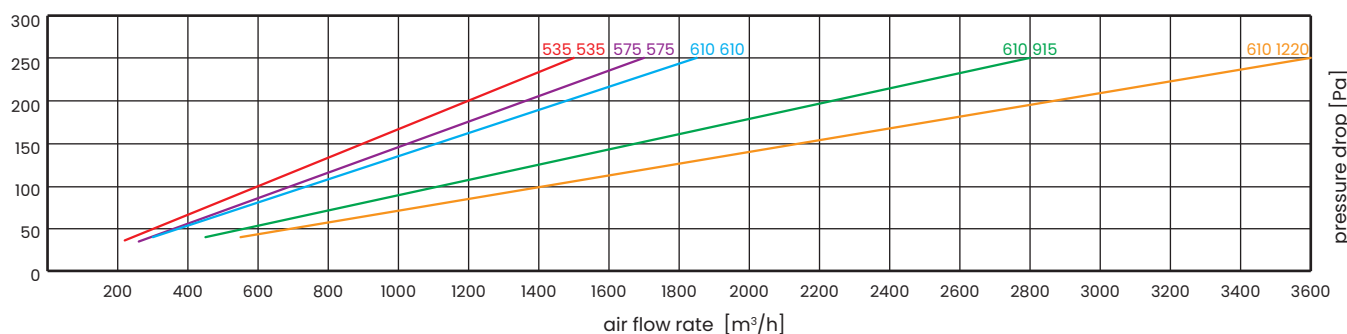
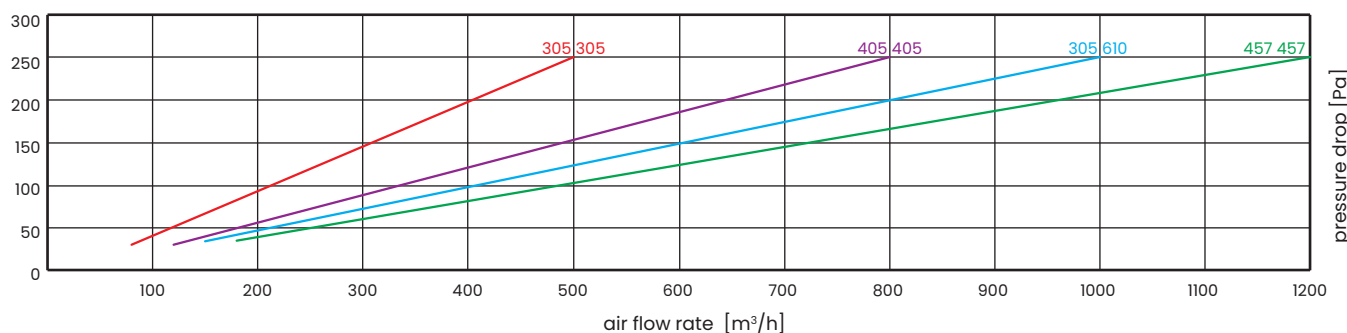


Filters in MDF casings are manufactured in all sizes, but we recommend that the front area of the filter does not exceed 0.6 m<sup>2</sup>.

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Filtration Class	Product	Dimensions [mm]			Filtration Area [m <sup>2</sup> ]	Air Flow Rate [m <sup>3</sup> /h]	Initial Pressure Drop [Pa]
		W	H	D			
E11	UltraWood78	305	305	78	2,6	500	250
		405	405	78	4,6	800	250
		305	610	78	5,2	1000	250
		457	457	78	5,9	1200	250
		535	535	78	8,1	1500	250
		575	575	78	9,4	1700	250
		610	610	78	10,6	1850	250
		610	915	78	15,8	2800	250
		610	1220	78	21,2	3600	250

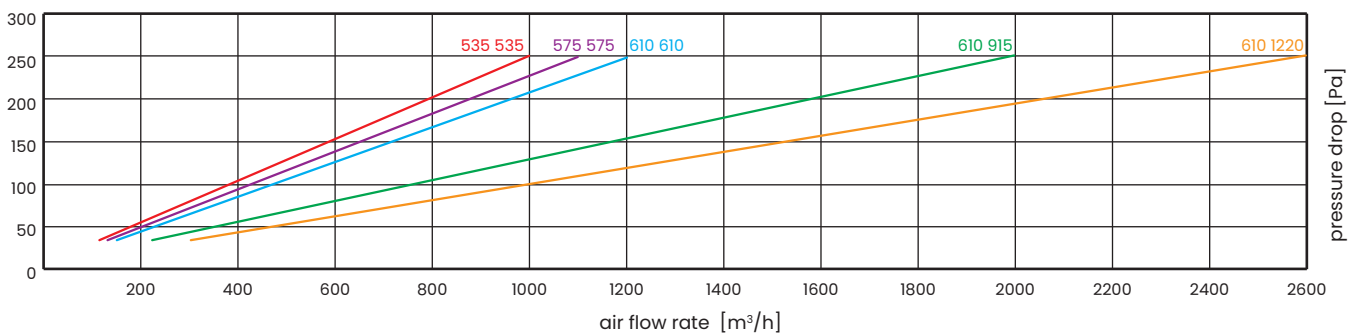
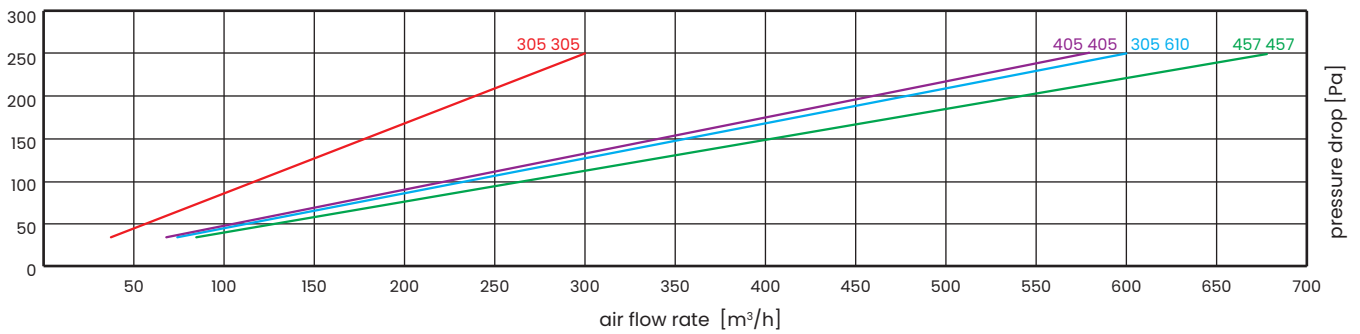


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Filtration Class	Product	Dimensions [mm]			Filtration Area [m <sup>2</sup> ]	Air Flow Rate [m <sup>3</sup> /h]	Initial Pressure Drop [Pa]
		W	H	D			
H13	UltraWood78	305	305	78	2,6	300	250
		405	405	78	4,6	580	250
		305	610	78	5,2	600	250
		457	457	78	5,9	680	250
		535	535	78	8,1	1000	250
		575	575	78	9,4	1100	250
		610	610	78	10,6	1200	250
		610	915	78	15,8	2000	250
		610	1220	78	21,2	2600	250

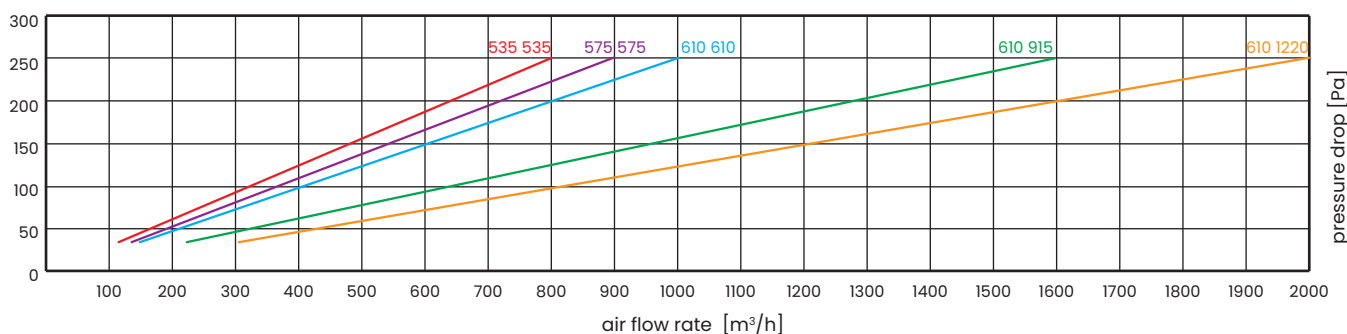
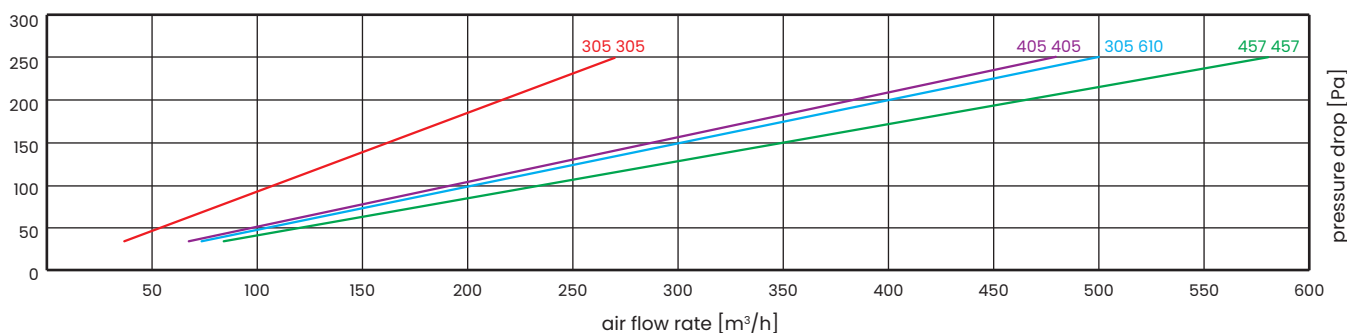


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Filtration Class	Product	Dimensions [mm]			Filtration Area [m <sup>2</sup> ]	Air Flow Rate [m <sup>3</sup> /h]	Initial Pressure Drop [Pa]
		W	H	D			
H14	UltraWood78	305	305	78	2,6	270	250
		405	405	78	4,6	480	250
		305	610	78	5,2	500	250
		457	457	78	5,9	580	250
		535	535	78	8,1	800	250
		575	575	78	9,4	900	250
		610	610	78	10,6	1000	250
		610	915	78	15,8	1600	250
		610	1220	78	21,2	2000	250



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