

## EPA/HEPA filters

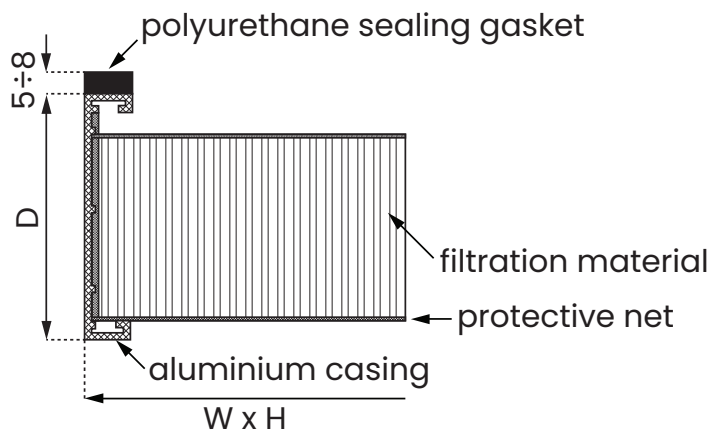
# UltraAlu 70



PN-EN 1822:2009 Class:	E10, E11, H13, H14
Filtration material:	glass fiber (glass microfibers)
Separators:	hot melt
Casing:	aluminum with protective nets on both sides
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:	>100%
*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. Protective nets for filter cartridges
3. High dust absorbency
4. Low pressure drop
5. Long filter lifespan
6. Low energy costs
7. Resistance to humidity
8. Flame retardant (F1 acc. DIN 53438)
9. Disposal without toxic compounds

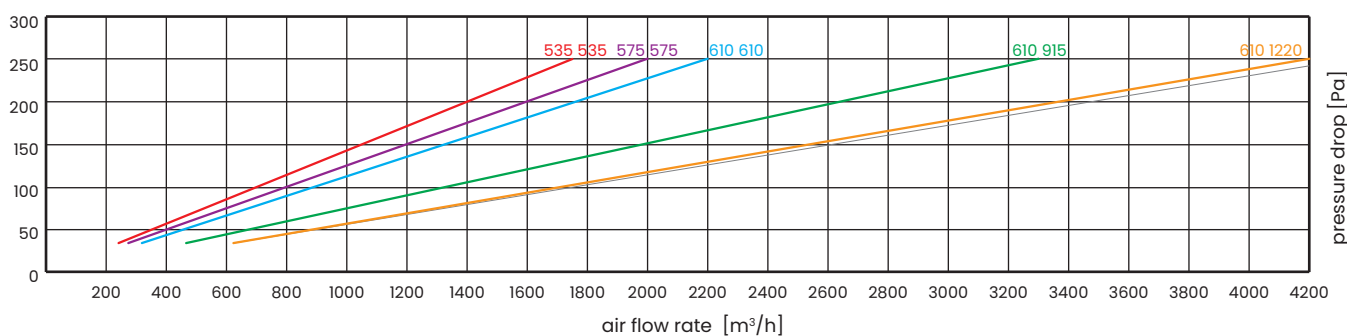
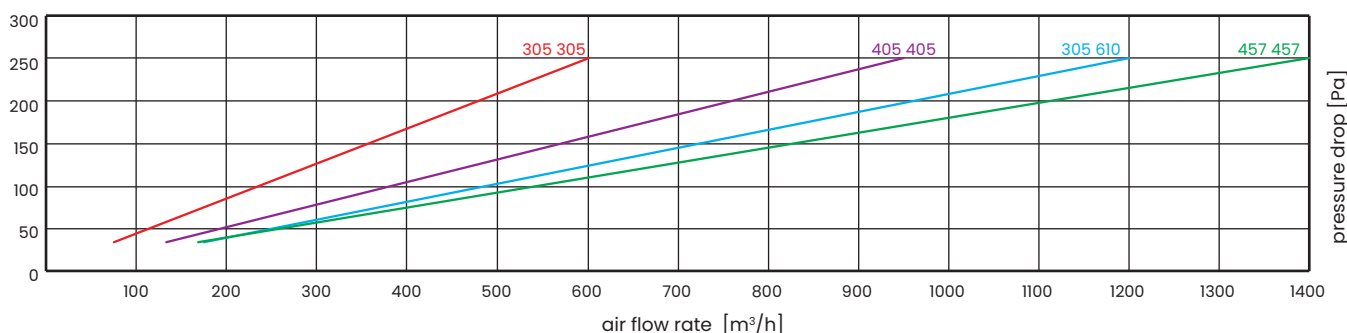
\* The final operating pressure drop of the filters should be checked in the technical documentation or consulted with the manufacturer of the equipment being operated.



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	UltraAlu70	305	305	70	2,6	150	70
		405	405	70	4,6	250	70
		305	610	70	5,2	300	70
		457	457	70	5,9	350	70
		535	535	70	8,1	450	70
		575	575	70	9,4	530	70
		610	610	70	10,6	600	70
		610	915	70	15,8	1000	70
		610	1220	70	21,2	1200	70

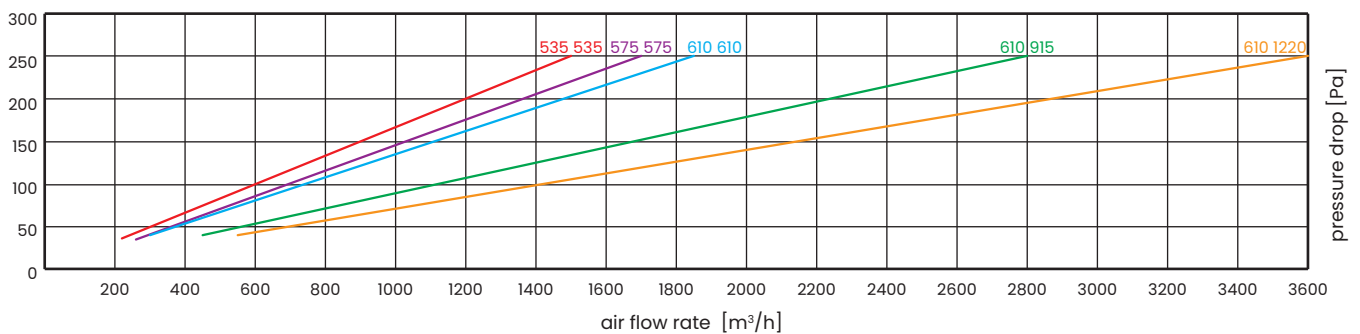
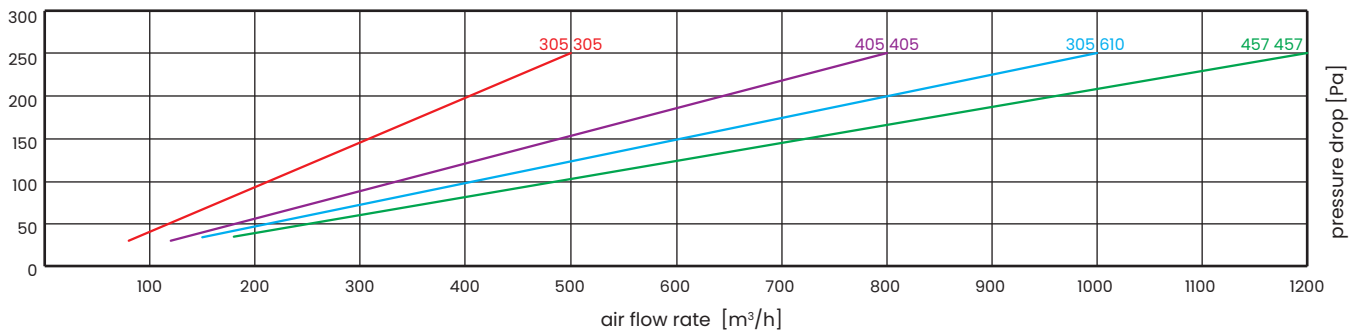


Filters in aluminum casings are manufactured in all sizes, but we recommend that the front area of the filter does not exceed 0.6 m<sup>2</sup>.

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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	UltraAlu70	305	305	70	2,6	150	80
		405	405	70	4,6	250	80
		305	610	70	5,2	300	80
		457	457	70	5,9	350	80
		535	535	70	8,1	450	80
		575	575	70	9,4	530	80
		610	610	70	10,6	600	80
		610	915	70	15,8	1000	80
		610	1220	70	21,2	1200	80

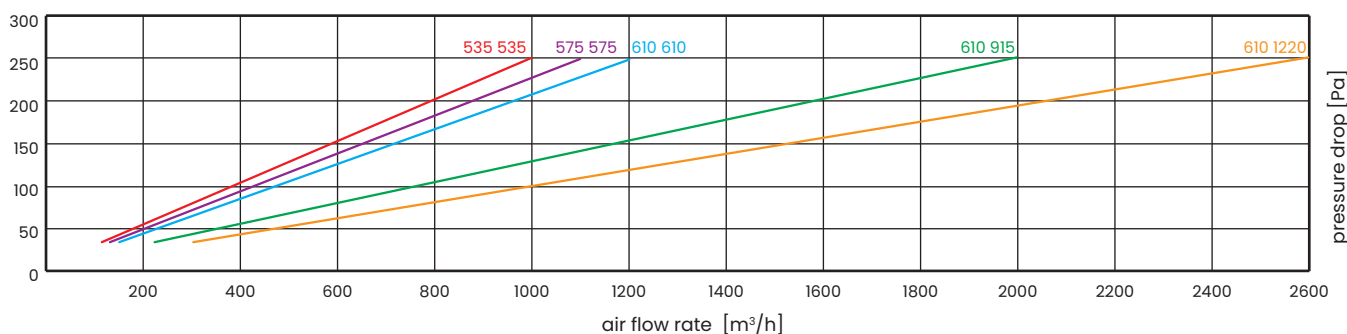
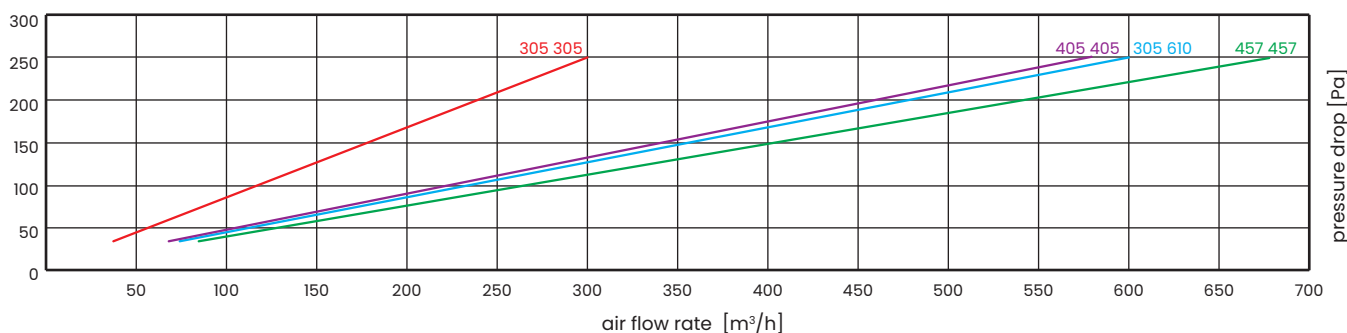


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Filtration Class	Product	Dimensions [mm]			Filtration Area [m <sup>2</sup> ]	Air Flow Rate [m <sup>3</sup> /h]	Initial Pressure Drop [Pa]
		W	H	D			
H13	UltraAlu70	305	305	70	2,6	150	120
		405	405	70	4,6	250	120
		305	610	70	5,2	300	120
		457	457	70	5,9	350	120
		535	535	70	8,1	450	120
		575	575	70	9,4	530	120
		610	610	70	10,6	600	120
		610	915	70	15,8	1000	120
		610	1220	70	21,2	1200	120

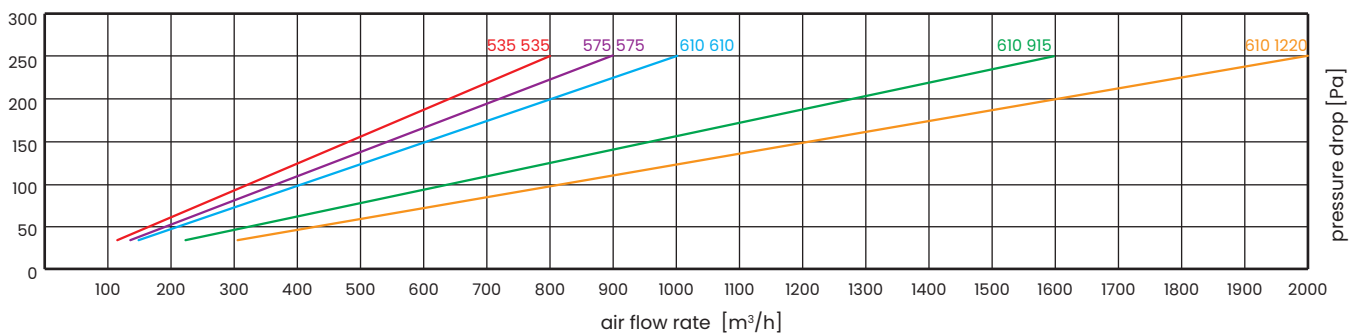
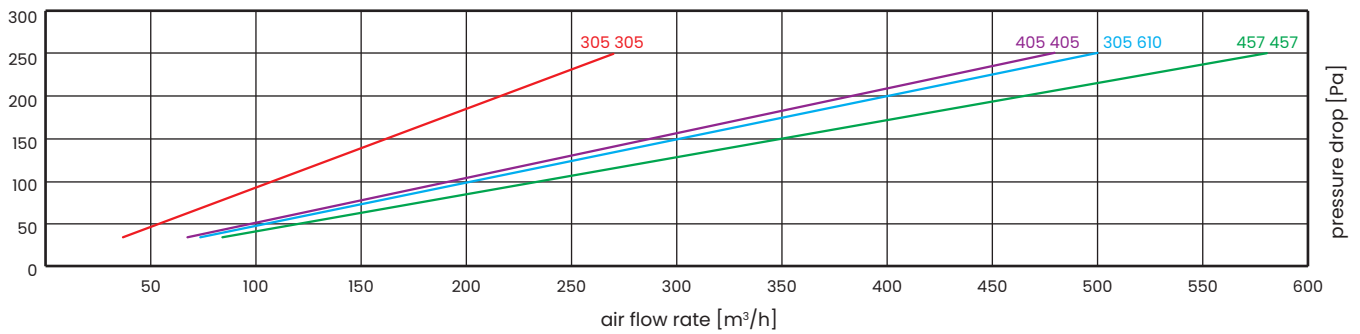


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Filtration Class	Product	Dimensions [mm]			Filtration Area [m <sup>2</sup> ]	Air Flow Rate [m <sup>3</sup> /h]	Initial Pressure Drop [Pa]
		W	H	D			
H14	UltraAlu70	305	305	70	2,6	150	135
		405	405	70	4,6	250	135
		305	610	70	5,2	300	135
		457	457	70	5,9	350	135
		535	535	70	8,1	450	135
		575	575	70	9,4	530	135
		610	610	70	10,6	600	135
		610	915	70	15,8	1000	135
		610	1220	70	21,2	1200	135



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