UltraTec 7

ISO 16890 Class:	ePM2,5 65%
*Final pressure drop derived from the filter test standard:	300 Pa
EN 779:2012 Class:	F7
*Final pressure drop derived from the filter test standard:	450 Pa
Average filtration rate (A_m):	>99,3 %
Average efficiency (Em):	>84,1 %
Max. operating temperature:	<100°C
Permissible relative humidity:	<100%

Filtration material: technology based on three-layer synthetic nonwoven, predominantly polypropylene with the use of microfibers. High-strength outer layer, a core for high dust absorption and thin supportive inner layer. The use of microfibers allows for low pressure drop and high mechanical strength throughout the service life. Maximum long-term air purification efficiency with minimum pressure drop. Very high dirt-holding capacity with mechanical strength results in low operating and maintenance costs.

Casing: perfectly airtight and very durable construction: pockets sewn or welded together and placed on a wire grid of ø=3.5 mm and framed in galvanized sheet metal; alternatively, design suitable for disposal in waste incineration plants: pockets placed in a stable plastic frame.

Application: as a pre-filter for absolute filters and as a 2nd stage filter for air conditioning, ventilation and heating systems; thanks to high efficiency at low pressure drops the filters can be used in hospitals, offices, schools, theaters, shopping malls, hotels, paint shops, pharmaceutical, food, automotive, machinery, and other industries.

1. Three-layer synthetic nonwoven
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. Standard and custom sizes

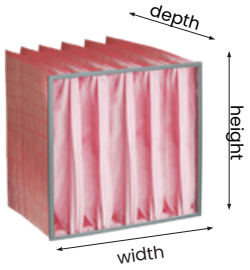
The air supplied by ventilation and air conditioning systems is as clean as the filters clean it, and therefore the quality of the filters, their reliability, and durability have an enormous impact on the assessment of the operation of the whole ventilation system.

* 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.

* All technical parameters provided in this specification are for informational purposes only. Actual values may differ by up to ±10% from the stated figures. The manufacturer assumes no responsibility for any consequences arising from the selection of filters in non-standard sizes based solely on the user's own calculations.

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.

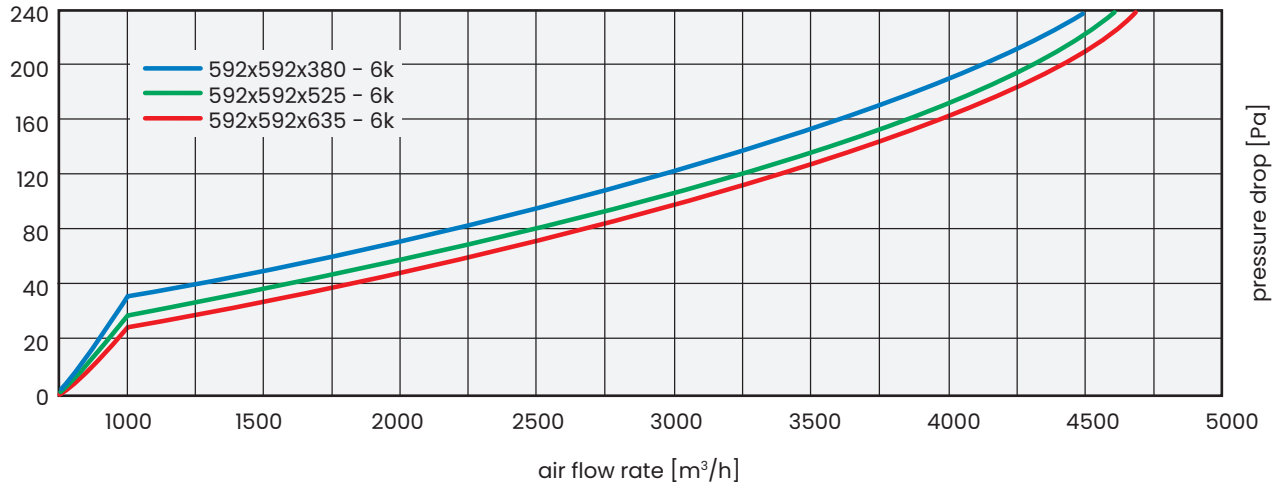
pocket filters



Product	UltraTec 7					
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	6			5		
Air flow rate [m³/h]	3400			2700		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	123	135	150	123	135	150

Product	UltraTec 7					
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	3			3		
Air flow rate [m³/h]	1700			800		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	123	135	150	123	135	150

Pressure loss as a function of flow rate for UltraTec 7 filters



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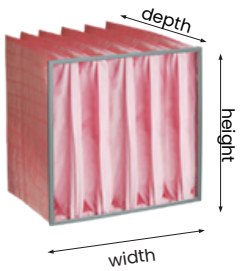
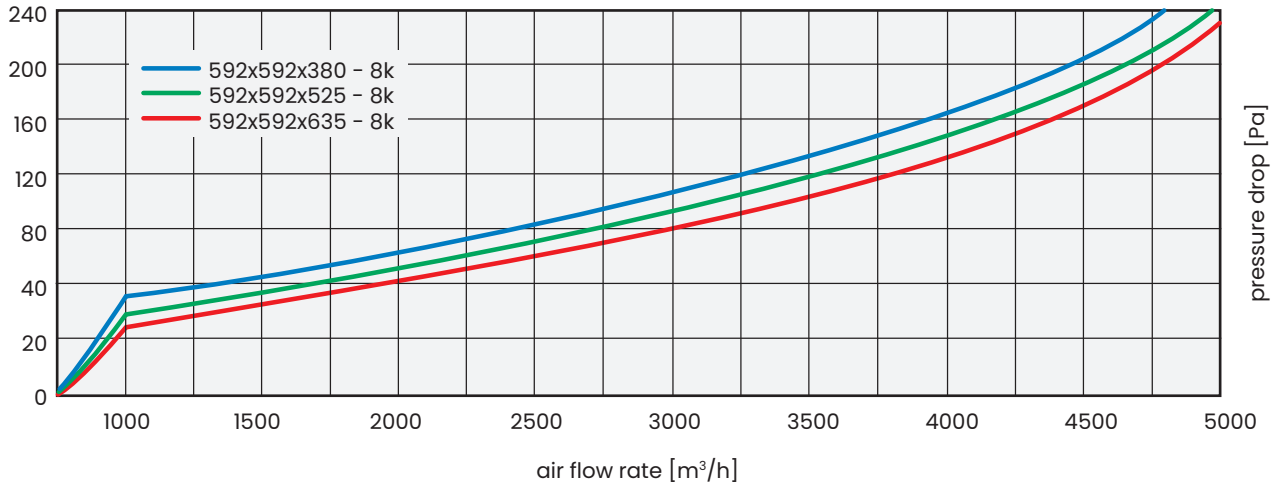
pocket filters



Product	UltraTec 7					
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	8			6		
Air flow rate [m³/h]	3400			2700		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	103	115	132	103	115	132

Product	UltraTec 7					
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	4			4		
Air flow rate [m³/h]	1700			800		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	103	115	132	103	115	132

Pressure loss as a function of flow rate for UltraTec 7 filters



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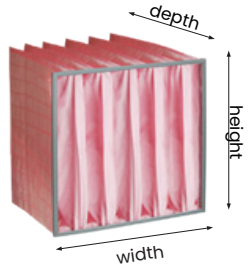
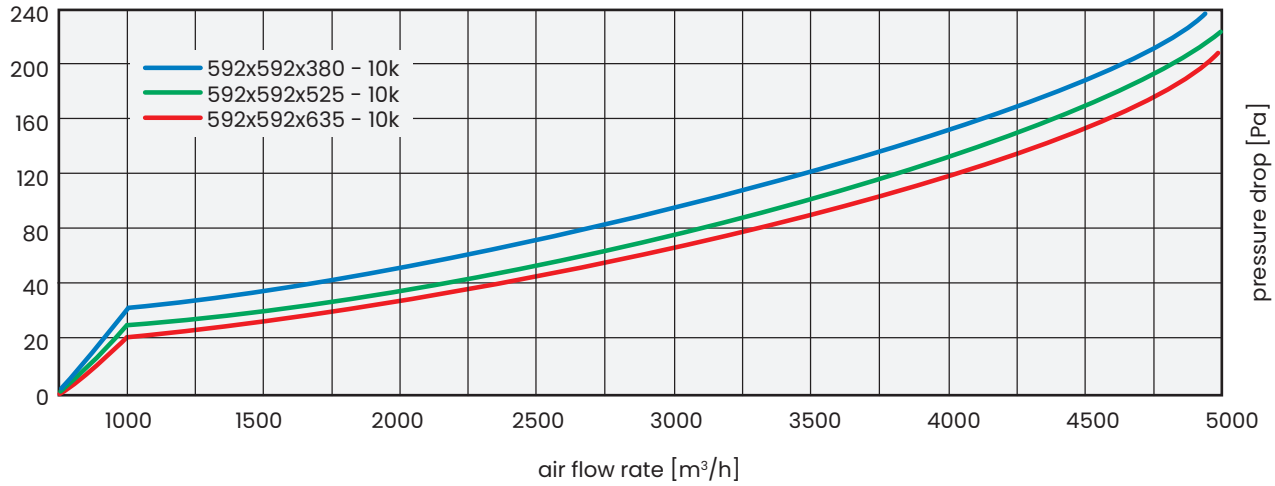
pocket filters



Product	UltraTec 7					
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	10			8		
Air flow rate [m³/h]	3400			2700		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	87	98	115	87	98	115

Product	UltraTec 7					
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	5			5		
Air flow rate [m³/h]	1700			800		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	87	98	115	87	98	115

Pressure loss as a function of flow rate for UltraTec 7 filters



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