

pocket filters

UltraTec 6



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
9. Certified quality

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.

ISO 16890 Class:	ePM10 65%
*Final pressure drop derived from the filter test standard:	300 Pa
EN 779:2012 Class:	M6
*Final pressure drop derived from the filter test standard:	450 Pa
Average filtration rate (A_m):	>99 %
Average efficiency (E_m):	>75 %
Max. operating temperature:	<100°C
Permissible relative humidity:	<100%

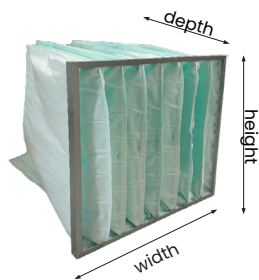
Filtration material: technology based on three-layer synthetic nonwoven, predominantly polypropylene with the use of microfibers. High-strength outer layer, a core for high dust absorption and thin supportive inner layer. The use of microfibers allows for low pressure drop and high mechanical strength 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 $\varnothing=3.5$ 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 1st or 2nd stage filter for air purification in 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.

* 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 $\pm 10\%$ 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.

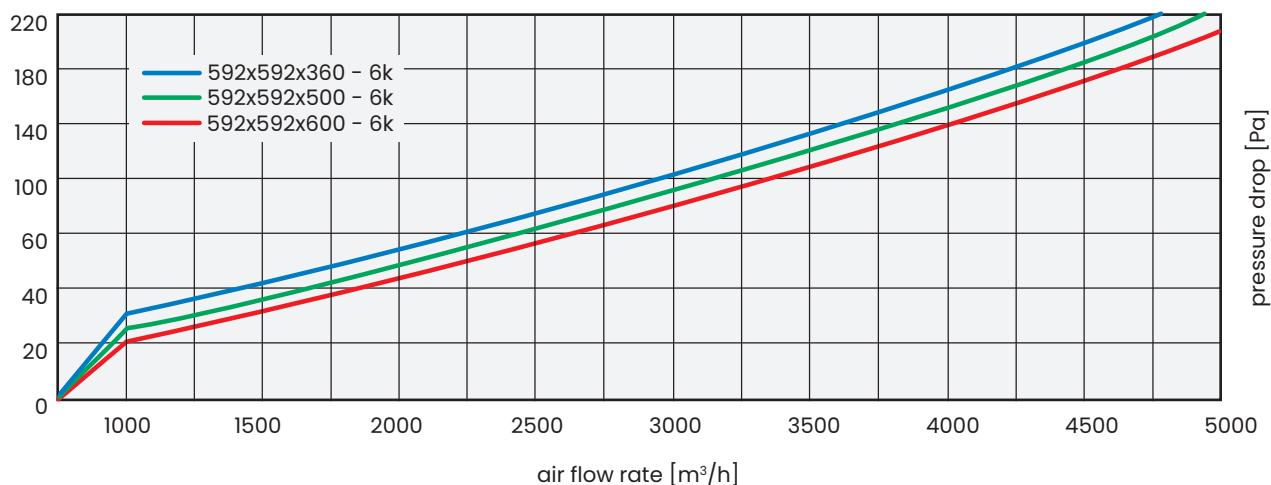


Product	UltraTec 6					
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	6			5		
Air flow rate [m³/h]	3400			2700		
Pocket depth [mm]	600	500	360	600	500	360
Initial pressure drop [Pa]	110	117	125	110	117	125

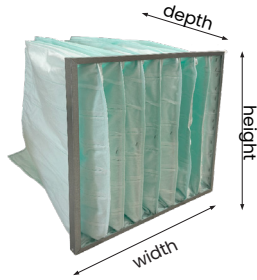
Product	UltraTec 6					
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	3			3		
Air flow rate [m³/h]	1700			800		
Pocket depth [mm]	600	500	360	600	500	360
Initial pressure drop [Pa]	110	117	125	110	117	125

76

Pressure loss as a function of flow rate for UltraTec 6 filters



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.

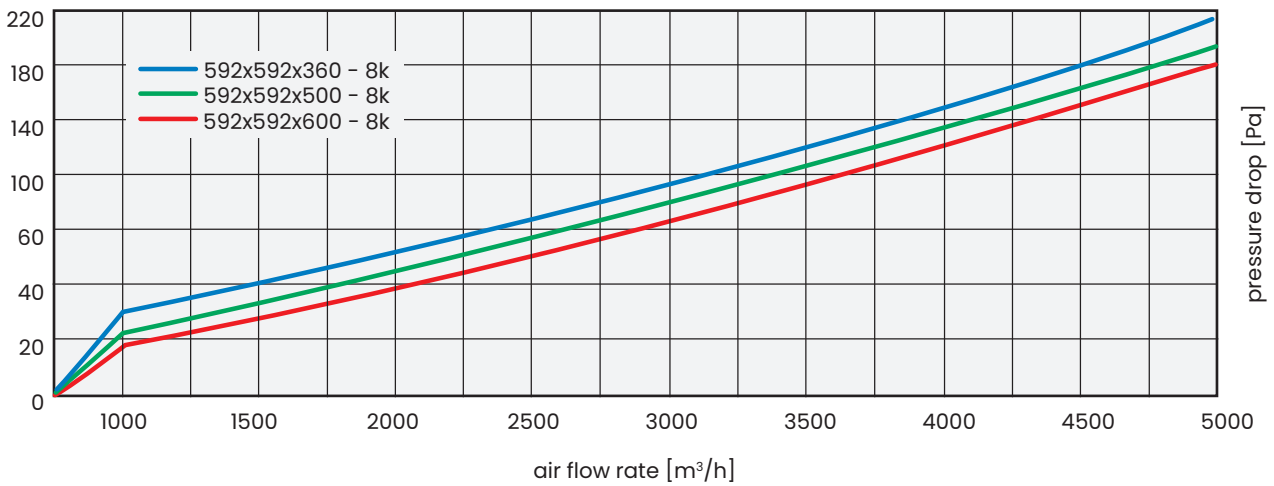


Product	UltraTec 6					
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	8			6		
Air flow rate [m ³ /h]	3400			2700		
Pocket depth [mm]	600	500	360	600	500	360
Initial pressure drop [Pa]	90	100	115	90	100	115

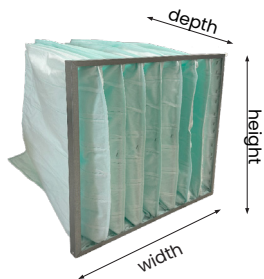
Product	UltraTec 6					
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	4			4		
Air flow rate [m ³ /h]	1700			800		
Pocket depth [mm]	600	500	360	600	500	360
Initial pressure drop [Pa]	90	100	115	90	100	115



Pressure loss as a function of flow rate for UltraTec 6 filters



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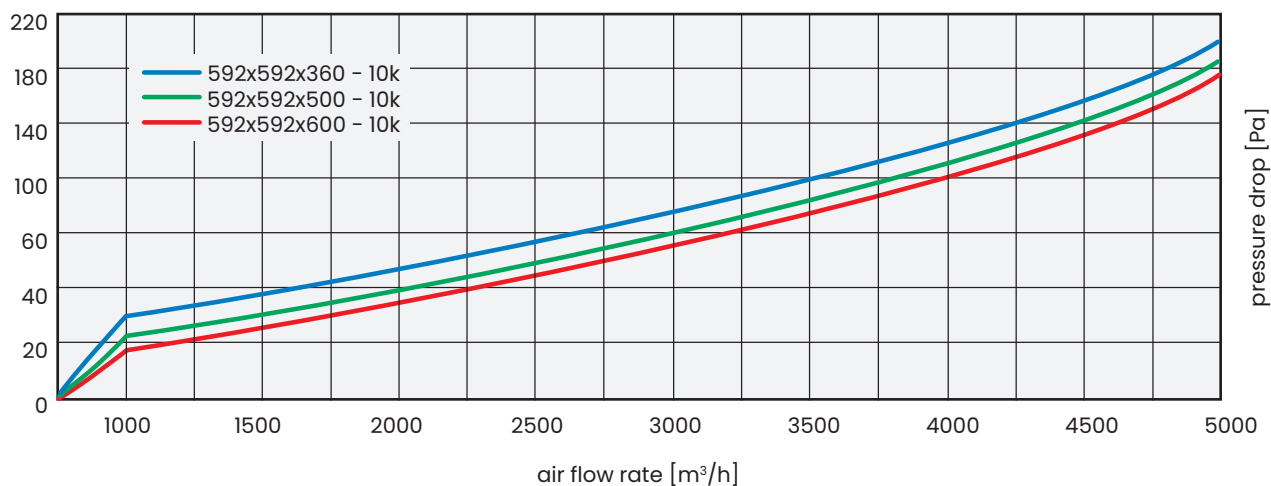


Product	UltraTec 6					
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	10			8		
Air flow rate [m³/h]	3400			2700		
Pocket depth [mm]	600	500	360	600	500	360
Initial pressure drop [Pa]	76	85	97	76	85	97

Product	UltraTec 6					
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	5			5		
Air flow rate [m³/h]	1700			800		
Pocket depth [mm]	600	500	360	600	500	360
Initial pressure drop [Pa]	76	85	97	76	85	97

78

Pressure loss as a function of flow rate for UltraTec 6 filters



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