

## pocket filters

## UltraTec 8



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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:	ePM1 60%
*Final pressure drop derived from the filter test standard:	300 Pa
EN 779:2012 Class:	F8
*Final pressure drop derived from the filter test standard:	450 Pa
Average filtration rate ( $A_m$ ):	>99,5%
Average efficiency ( $E_m$ ):	>93%
Max. operating temperature:	<100°C
Permissible relative humidity:	<100%

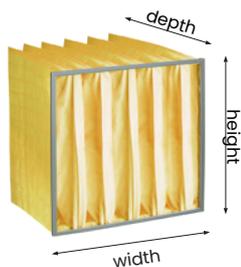
**Filtration material:** technology based on three-layer synthetic nonwoven, predominantly polypropylene with the use of microfibers. High-strength outer layer, a core for high dust absorption and thin supportive inner layer. The use of microfibers allows for low pressure drop and high mechanical strength 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 connected by rigid plastic connectors and placed in a stable plastic frame.

**Application:** as a pre-filter for absolute filters and as a 2<sup>nd</sup> stage filter in air conditioning, ventilation and heating systems that require very high purity; 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.

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.

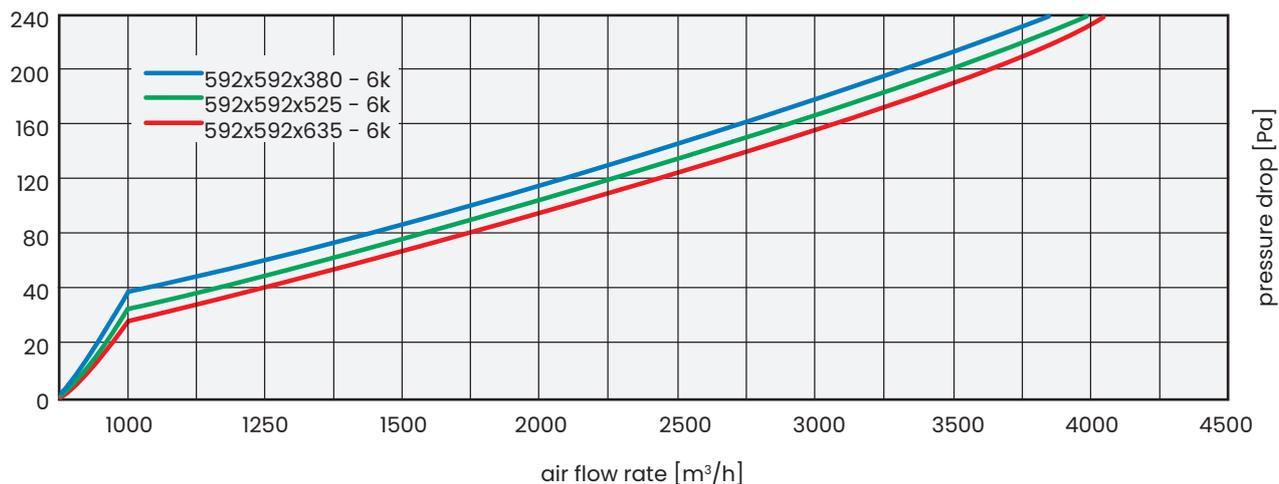


Product	UT-8-6666	UT-8-6656	UT-8-6646	UT-8-5665	UT-8-5655	UT-8-5645
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	6			5		
Air flow rate [m <sup>3</sup> /h]	1700			1350		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	82	92	103	82	92	103

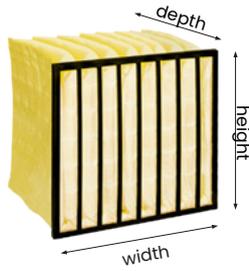
Product	UT-8-3663	UT-8-3653	UT-8-3643	UT-8-3363	UT-8-3353	UT-8-3343
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	3			3		
Air flow rate [m <sup>3</sup> /h]	800			450		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	82	92	103	82	92	103



Pressure loss as a function of flow rate for UltraTec 8 filters



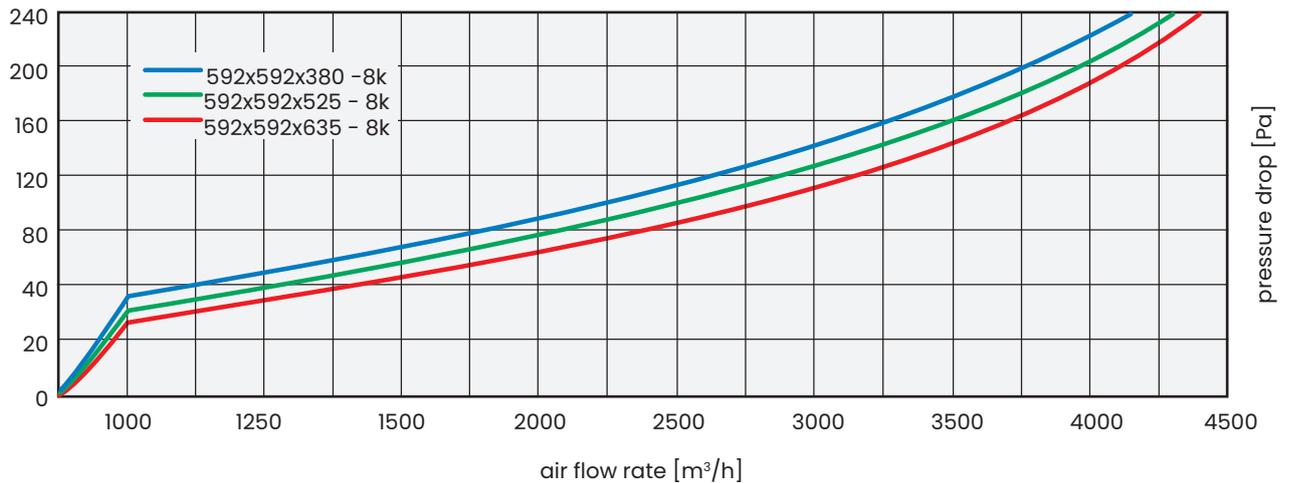
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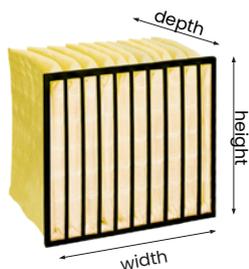
Product	UT-8-6668	UT-8-6658	UT-8-6648	UT-8-5666	UT-8-5656	UT-8-5646
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	8			6		
Air flow rate [m <sup>3</sup> /h]	2700			2200		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	95	105	120	95	105	120

Product	UT-8-3664	UT-8-3654	UT-8-3644	UT-8-3364	UT-8-3454	UT-8-3344
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	4			4		
Air flow rate [m <sup>3</sup> /h]	1200			700		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	95	105	120	95	105	120

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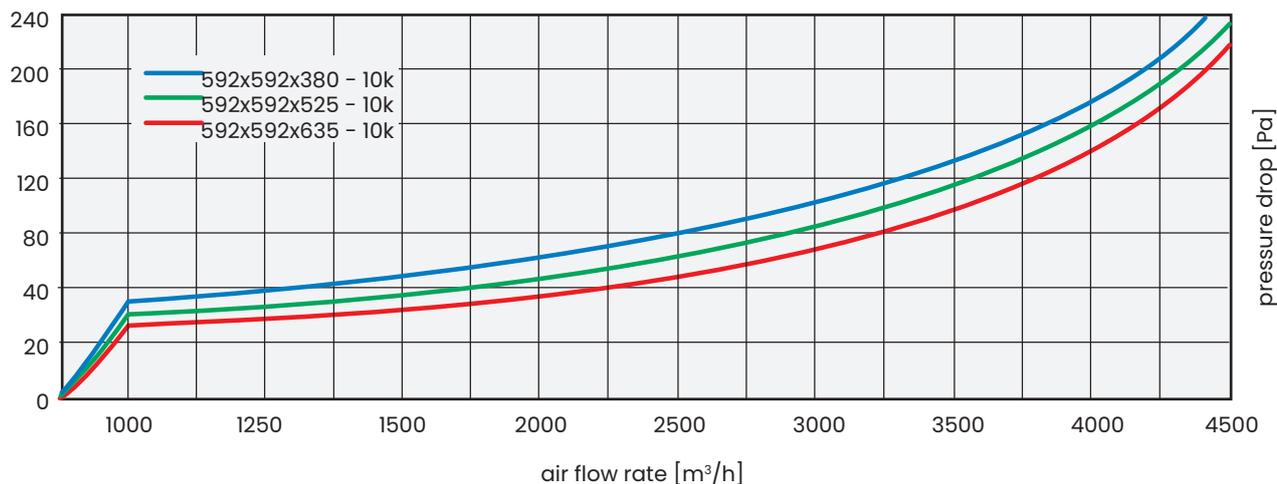


Product	UT-8-66610	UT-8-66510	UT-8-66410	UT-8-5668	UT-8-5658	UT-8-5648
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	10			8		
Air flow rate [m <sup>3</sup> /h]	3400			2700		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	90	105	125	90	105	125

Product	UT-8-3665	UT-8-3655	UT-8-3645	UT-8-3365	UT-8-3355	UT-8-3345
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	5			5		
Air flow rate [m <sup>3</sup> /h]	1700			800		
Pocket depth [mm]	635	525	380	635	525	380
Initial pressure drop [Pa]	90	105	125	90	105	125



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