

## pocket filters

## UltraTec 3



1. Synthetic nonwovens  
- 100% polyester
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.

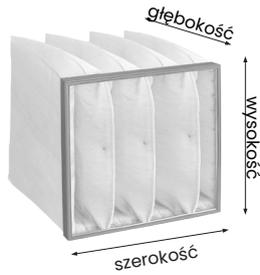
ISO 16890 Class:	ISO Coarse 50%
*Final pressure drop derived from the filter test standard:	200 Pa
EN 779:2012 Class:	G3
*Final pressure drop derived from the filter test standard:	250Pa
Average filtration rate ( $A_m$ ):	>84,1 %
Max. operating temperature:	<100°C
Permissible relative humidity:	<100%

**Filtration material:** technology based on thermal bonding of pure, homogeneous and durable synthetic nonwovens, (100% polyester) progressively built-up (increasing fiber density). The open structure of the nonwoven on the air inlet side, progressively thickening towards the outlet causes larger particles of dirt to be stopped in the upper part of the filtration layer and smaller ones penetrate deep into the nonwoven. This technology makes it possible to retain much more contaminants, minimizes the increase in resistance to the flowing air, and prevents the accumulation of contaminants on the surface of the filter material. 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. Long-term air purification efficiency with minimum pressure drop. Very high dirt-holding capacity with mechanical strength results in low operating and maintenance costs.

**Application:** preliminary air purification 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.

\* 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.

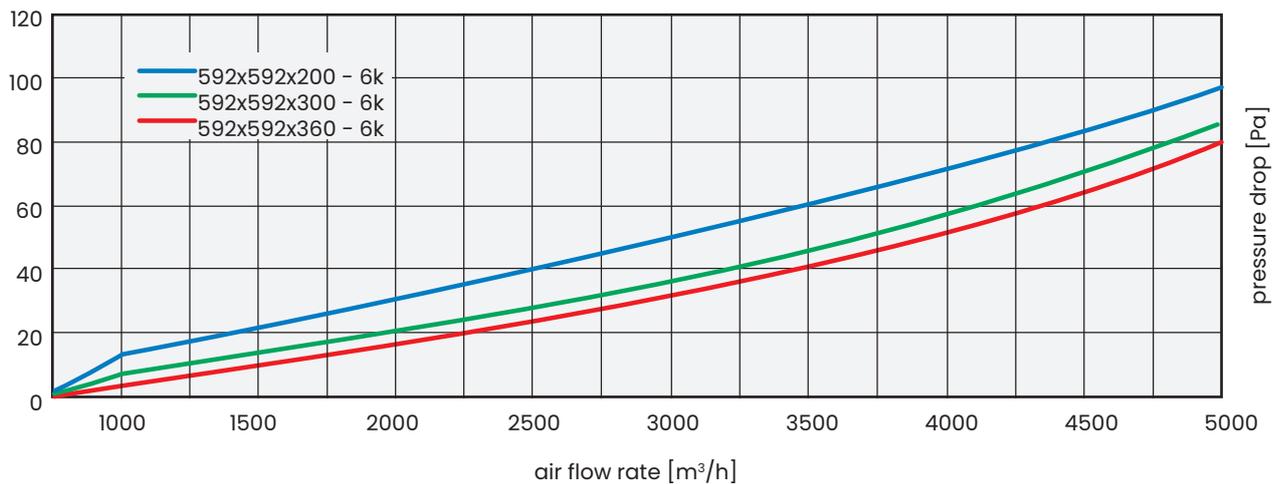


Product	UT-3-6646	UT-3-6636	UT-3-6626	UT-3-5645	UT-3-5635	UT-3-5625
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	6			5		
Air flow rate [m <sup>3</sup> /h]	3400			2700		
Pocket depth [mm]	360	300	200	360	300	200
Initial pressure drop [Pa]	36	45	61	36	45	61

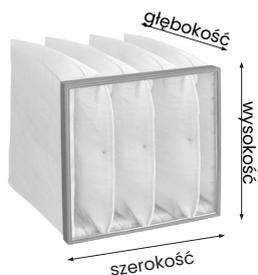
Product	UT-3-3643	UT-3-3633	UT-3-3623	UT-3-3343	UT-3-3333	UT-3-3323
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	3			3		
Air flow rate [m <sup>3</sup> /h]	1700			800		
Pocket depth [mm]	360	300	200	360	300	200
Initial pressure drop [Pa]	36	45	61	36	45	61

68

Pressure loss as a function of flow rate for UltraTec 3 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.

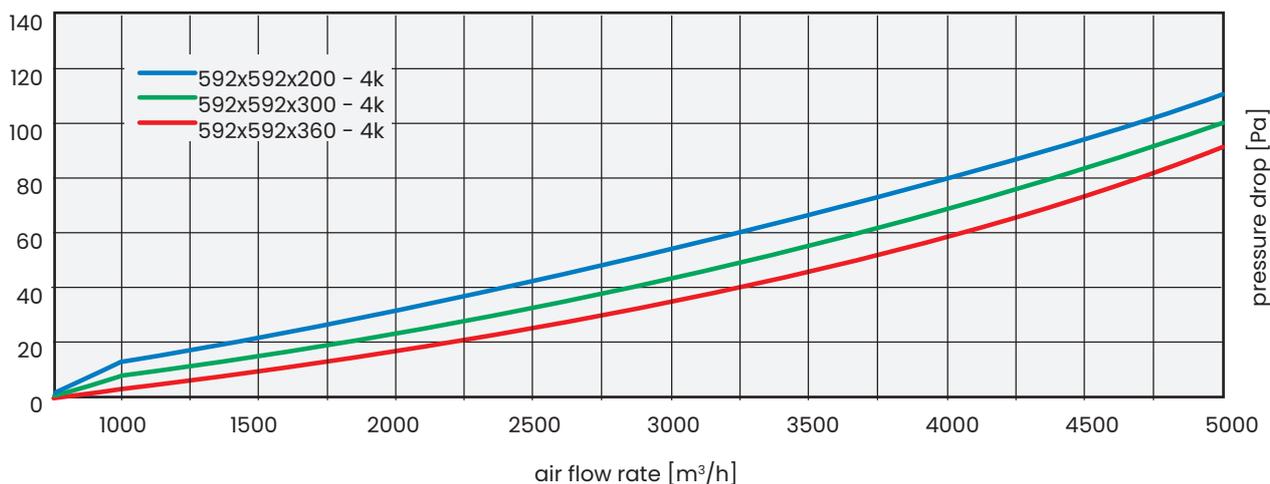


Product	UT-3-6644	UT-3-6634	UT-3-6624	UT-3-5643	UT-3-5633	UT-3-5623
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	4			3		
Air flow rate [m³/h]	3400			2700		
Pocket depth [mm]	360	300	200	360	300	200
Initial pressure drop [Pa]	42	51	67	42	51	67

Product	UT-3-3642	UT-3-3632	UT-3-3622	UT-3-3343	UT-3-3333	UT-3-3323
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	2			2		
Air flow rate [m³/h]	1700			800		
Pocket depth [mm]	360	300	200	360	300	200
Initial pressure drop [Pa]	42	51	67	42	51	67



Pressure loss as a function of flow rate for UltraTec 3 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.