UltraTec 4

ISO 16890 Class:	ISO Coarse 70%
*Final pressure drop derived from the filter test standard:	200 Pa
EN 779:2012 Class:	G4
*Final pressure drop derived from the filter test standard:	250 Pa
Average filtration rate (A_m):	>91,6 %
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 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: 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, au

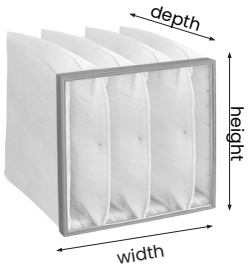
1. Synthetic nonwovens - 100% polyester
2. High dust absorbency
3. Low pressure drop
4. Long filter lifespan
5. Low energy costs
6. Resistance to humidity
7. Flame retardant (F1 acc. DIN 53438)
8. Standard and custom sizes
9. Certified quality

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.

* 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.

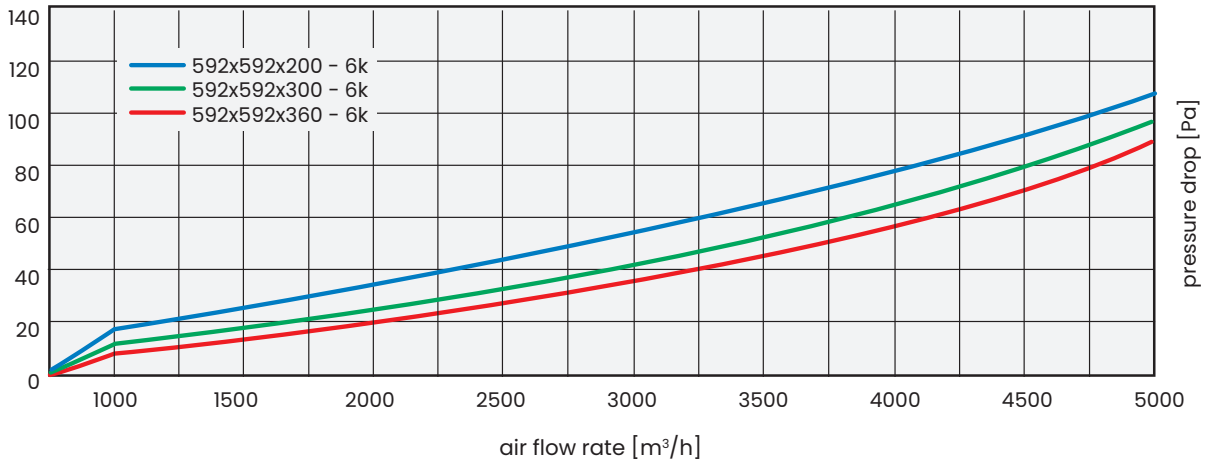
pocket filters



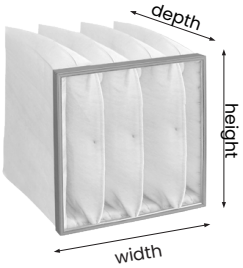
Product	UltraTec 4					
Frame dimensions [mm]	592x592			490x592		
Number of pockets [n]	6			5		
Air flow rate [m³/h]	3400			2700		
Pocket depth [mm]	360	300	200	360	300	200
Initial pressure drop [Pa]	40	49	66	40	49	66

Product	UltraTec 4					
Frame dimensions [mm]	287x592			287x287		
Number of pockets [n]	3			3		
Air flow rate [m³/h]	1700			800		
Pocket depth [mm]	360	300	200	360	300	200
Initial pressure drop [Pa]	40	49	66	40	49	66

Pressure loss as a function of flow rate for UltraTec 4 filters



pocket filters



Produkt	UltraTec 4					
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]	48	57	72	48	57	72

Product	UltraTec 4					
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]	48	57	72	48	57	72

Pressure loss as a function of flow rate for UltraTec 4 filters