

## cardboard filters

## UltraKart



1. High dust absorbency
2. Low pressure drop
3. Long filter lifespan
4. Low energy costs
5. Resistance to humidity
6. Easy and simple maintenance
7. Standard and custom sizes

ISO 16890 Class: ISO Coarse 50%,  
ISO Coarse 80%, ePM10 50%

\*Final pressure drop derived from  
the filter test standard: 200 Pa

EN 779:2012 Class: G3, G4, M5

\*Final pressure drop derived from  
the filter test standard: 250 Pa

Average filtration rate ( $A_m$ ): >90%

Efficiency: >25%<35%

>45%<55%

Max. operating temperature: 80°C

Permissible relative humidity: <80%

**Filtration material:** innovative pleated synthetic material.

**Casing:** foil-coated waterproof cardboard.

Optionally, the filters come in a galvanized steel or plastic frame (50 mm and 100 mm thick).

**Application:** due to their high efficiency at low pressure drops, the filters can be used in offices, schools, theaters, hospitals, swimming pools, shopping malls, hotels, paint shops, food processing, pharmaceutical and machinery 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.

## Technical data

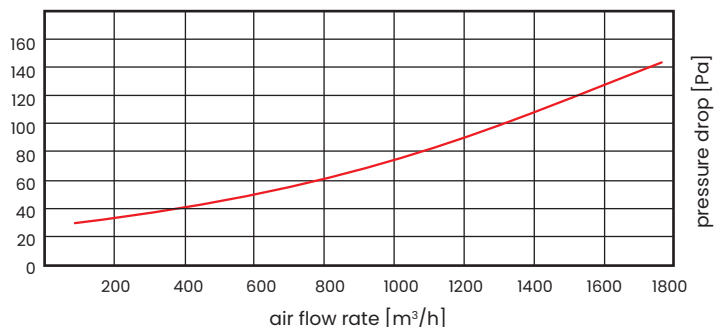
Product	Dimensions [mm]			Filtration Area [m <sup>2</sup> ]	Air Flow Rate [m <sup>3</sup> /h]	Initial Pressure Drop [Pa]		
	W	H	D			G3/ISO Coarse 50%	G4/ISO Coarse 80%	M5/ePM10 50%
UltraKart	287	287	48	0,2	850	55	65	75
	287	287	96	0,3	1000	65	75	85
	287	592	48	0,42	1700	55	65	75
	287	592	96	0,61	2100	65	75	85
	490	592	48	0,73	2800	55	65	75
	490	592	96	1,04	3400	65	75	85
	592	592	48	0,88	3400	55	65	75
	592	592	96	1,26	3400	50	60	70

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.

## cardboard filters

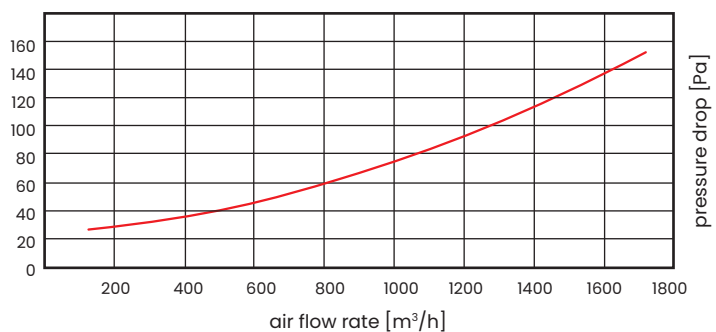
### UltraKart size 287 287 96 (11 11 4")

Size [mm]	292 x 287 x 96	Front area [m <sup>2</sup> ] 0,0823
Size [in]	11 x 11 x 4	
Class	ISO Coarse 80%	
Air Flow Rate [m <sup>3</sup> /h]	1000 at the initial resistance of a clean filter 75 Pa	



### UltraKart size 292 287 48 (11 11 2")

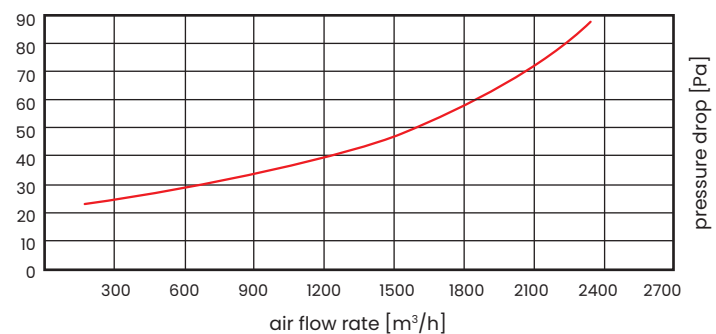
Size [mm]	292 x 287 x 48	Front area [m <sup>2</sup> ] 0,0823
Size [in]	11 x 11 x 2	
Class	ISO Coarse 80%	
Air Flow Rate [m <sup>3</sup> /h]	850 at the initial resistance of a clean filter 65 Pa	



56

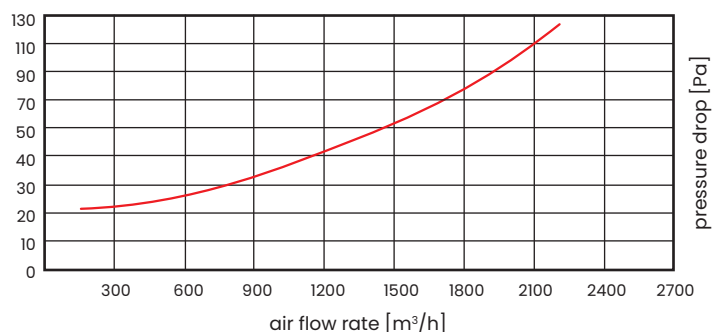
### UltraKart size 287 592 96 (11 23 4")

Size [mm]	287 x 592 x 96	Front area [m <sup>2</sup> ] 0,1699
Size [in]	11 x 23 x 4	
Class	ISO Coarse 80%	
Air Flow Rate [m <sup>3</sup> /h]	2100 at the initial resistance of a clean filter 65 Pa	



### UltraKart size 287 592 48 (11 23 2")

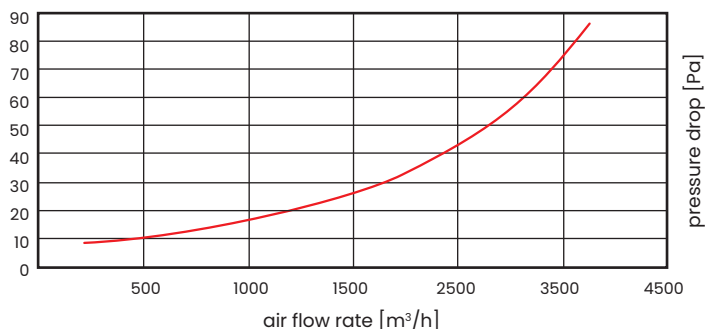
Size [mm]	287 x 592 x 48	Front area [m <sup>2</sup> ] 0,1699
Size [in]	11 x 23 x 2	
Class	ISO Coarse 80%	
Air Flow Rate [m <sup>3</sup> /h]	1700 at the initial resistance of a clean filter 75 Pa	



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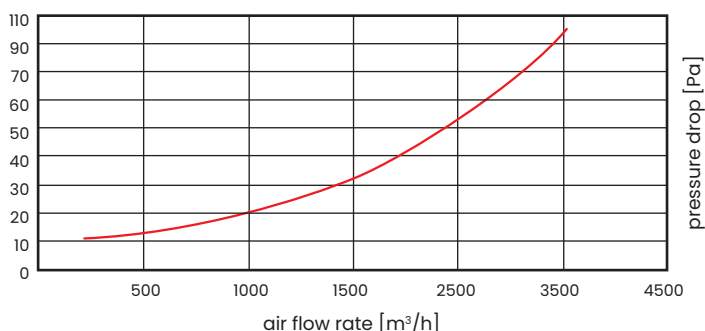
UltraKart size 490 592 96 (19 23 4")

Size [mm]	490 x 592 x 96	Front area [m <sup>2</sup> ] 0,290
Size [in]	19 x 23 x 4	
Class	ISO Coarse 80%	
Air Flow Rate [m <sup>3</sup> /h]	3400 at the initial resistance of a clean filter 75 Pa	



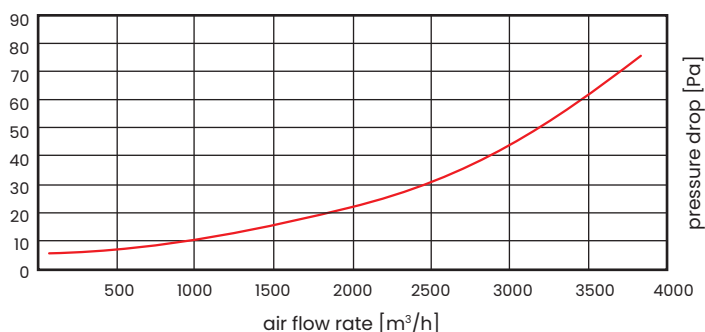
UltraKart size 490 592 48 (19 23 2")

Size [mm]	490 x 592 x 48	Front area [m <sup>2</sup> ] 0,290
Size [in]	19 x 23 x 2	
Class	ISO Coarse 80%	
Air Flow Rate [m <sup>3</sup> /h]	2800 at the initial resistance of a clean filter 65 Pa	



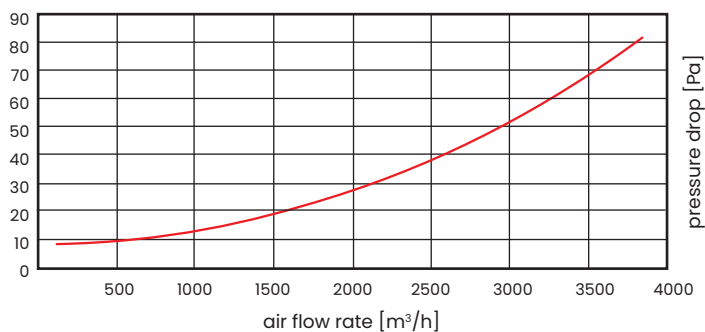
UltraKart size 592 592 96 (23 23 4")

Size [mm]	592 x 592 x 96	Front area [m <sup>2</sup> ] 0,3505
Size [in]	23 x 23 x 4	
Class	ISO Coarse 80%	
Air Flow Rate [m <sup>3</sup> /h]	3400 at the initial resistance of a clean filter 55 Pa	



UltraKart size 592 592 48 (23 23 2")

Size [mm]	592 x 592 x 48	Front area [m <sup>2</sup> ] 0,3505
Size [in]	23 x 23 x 2	
Class	ISO Coarse 80%	
Air Flow Rate [m <sup>3</sup> /h]	3400 at the initial resistance of a clean filter 65 Pa	



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