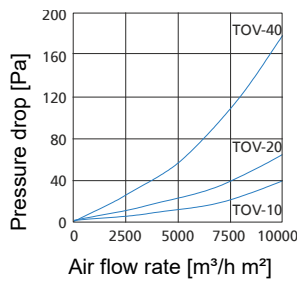


Pressure drop diagrams



Filter mats FibroidElastov

consist of robust fleece made of randomly structured polyester fibres with progressive depth structure, the filter layer, not provided with a wetting agent, is elastic and regenerable.

Application:

Reliable filtration of coarse dust in climate control and air handling systems.

Special features:

Very efficient thanks to extremely low initial pressure drop, with high air volume flow as well; very high dust holding capacity.

Areas of application:

General purpose climate control facilities and air handling units, protection against contamination of large machines and switchgear, air intake and combustion air for fans, compressors, internal-combustion motors.

*Filter class as of
EN 779:2012
G3 & G4*

*For the NEW Filter class
as of ISO 16890:2016
refer to table*

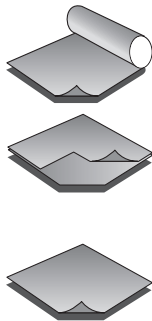
*Medium
polyester fibres*

*Temperature
resistance
< 80 °C/ < 70 °C*

Technical data

FibroidElastov		TOV-10	TOV-20	TOV-40
Filter class <i>OLD</i>	[EN 779:2012]	G3	G3	G4
Filter class <i>NEW</i>	[ISO 16890]	ISO Coarse 40 %	ISO Coarse 45 %	ISO Coarse 60 %
Installation depth/thickness	[mm]	10	20	40
Nominal air volume flow	[m³/h m²]	2.500	2.500	2.500
Maximum volume flow	[m³/h m²]	10.000	10.000	10.000
Initial pressure drop	[Pa]	9	14	26
Maximum allowed pressure drop	[Pa]	250	250	250
Mean degree of arrestance	[%]	81,0	87,0	93,0
Dust holding capacity:	[g/m²]	635	530	477
Fire behaviour	[DIN 53438]	F1/K1	F1/K1	F1/K1
Max. operating temperature	[°C]	80	70	70
Max. relative air humidity	[%]	100	100	100

*Form of delivery/
Order number*



FibroidElastov	Size	ORD.No.
Rolls		
TOV-10	2 X 30 m, units of shipment 1	X-TOV-10
TOV-20	2 X 20 m, units of shipment 1	X-TOV-20
Special-dimension elements		
TOV-20	0 to 2 m², maximum width 1 m	X-TOV-20
TOV-40	0 to 2 m², maximum width 1 m	X-TOV-40
Plate		
TOV-10	1 x 1.5 m, packaging unit 5	16 06 581
TOV-20	1 x 1.5 m, packaging unit 5	16 07 021
TOV-40	1 x 1.5 m, packaging unit 5	16 08 021