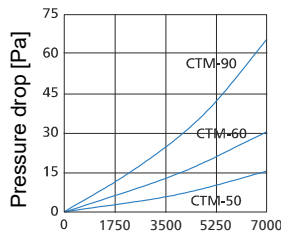


Pressure drop diagrams



Air flow rate [m³/h m²]

Filter mats CTM

consist of polyester fibres with pronounced labyrinth structure and with progressive depth structure.

Application:

Pre-filter for small air handling systems with high dust concentration and for coarse dust filtration in standard air handling units.

Special features:

Elastic, not provided with a wetting agent, and regenerable.

Areas of application:

Standard ventilation and air handling units, climate control facilities, cabinet air handling units, cooling of switch boxes, heat exchangers, recirculating-air units, unit heaters, cooling of large machines and switchgear as well as paint spray compartments.

Filter class as of EN 779:2012
G2, G3 & G4

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

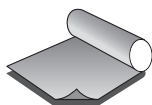
Medium
polyester fibres

Temperature resistance
< 80 °C

Technical data

CTM		CTM-50	CTM-60	CTM-90
Filter class <i>OLD</i>	[EN 779:2012]	G2	G3	G4
Filter class <i>NEW</i>	[ISO 16890]	ISO Coarse 45 %	ISO Coarse 50 %	ISO Coarse 55 %
Installation depth/thickness	[mm]	5	10	20
Nominal air volume flow	[m³/h m²]	5400	5400	5400
Maximum volume flow	[m³/h m²]	7000	7000	7000
Initial pressure drop	[Pa]	11	18	50
Maximum allowed pressure drop	[Pa]	250	250	250
Mean degree of arrestance	[%]	72.0	81.4	91.7
Dust holding capacity:	[g/m²]	425	590	518
Fire behaviour	[DIN 53438]	F1/K1	F1/K1	F1/K1
Max. operating temperature	[°C]	80	80	80
Max. relative air humidity	[%]	100	100	100

*Form of delivery/
Order number*



CTM	Size	ORD.No.
Special-dimension elements		
CTM-50	0 to 80 m², maximum width 2 m	X-CTM-50-C45
CTM-60	0 to 40 m², maximum width 2 m	X-CTM-60-C50
CTM-90	0 to 40 m², maximum width 2 m	X-CTM-90-C55
Rolls		
CTM-50	2 x 40 m, packaging unit 1	26 02 849-C45
CTM-60	2 x 20 m, packaging unit 1	40 72 531-C50
CTM-90	2 x 20 m, packaging unit 1	40 72 831-C55