

Pocket filter inserts made of nonwoven chemical fibres

Coarse dust filter: F743 - Filter class: G4

Fine dust filter: F745 - Filter class: F5

- » Prefilters or final filters in ventilation systems for the separation of coarse or fine dust
- » Quick installation and filter changing times due to easy, safe handling



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Detail



Pocket filter insert made of nonwoven chemical fibres

» Application

- Coarse dust filter: Prefilter in ventilation systems for the separation of coarse dust.
- Fine dust filters: Prefilters or final filters in ventilation systems for the separation of fine dust.

» Filter types

- Type F743 (G4)
- Type F745 (F5)

» Material

Filter pockets made of nonwoven chemical fibres

» Construction

Front frame made of plastic or metal

» Associated TROX filter units

- Standard cell frames for wall installation (F2/1/././..).
- Universal casings for duct installation (F3/1/././..).

» Certification of EUROVENT

The pocket filter inserts of filter class F5 are certified according to Eurovent. This certification can only be achieved by manufacturers whose filter product performance properties, filter classification and initial differential pressure have been tested by an independent institute. In this way, the quality of the fine dust filter is guaranteed.

» Testing coarse and fine dust filters

See Leaflet P/1/././....

Technical data

Filter type		F743	F745
Pocket depth	in mm	360	650
Filter class according to EN 779		G4	F5
Average arrestance according to EN 779	in %	90	96
Average efficiency according to EN 779	in %	-	47
Initial differential pressure at nominal volume flow rate	in Pa	35	40
Recommended final differential pressure	in Pa	200...250	200...250
Max. operating temperature for plastic frames	in °C	70	70
Max. operating temperature for metal frames	in °C	90	90

Table 1: Technical data for filter types F743 and F745

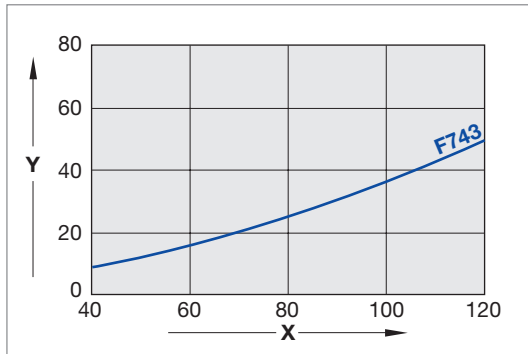


Diagram 1: Pocket filter inserts F743, pocket depth 360 mm

X = Volume flow rate in % of nominal volume flow rate
Y = Initial pressure differential in Pa

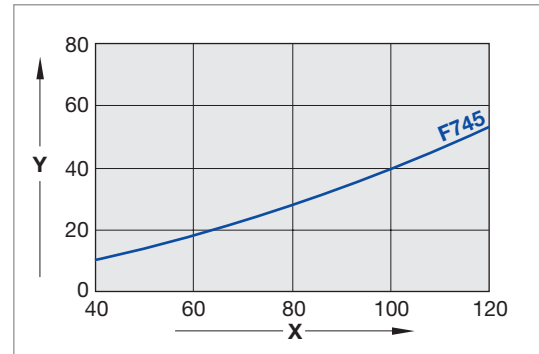


Diagram 2: Pocket filter inserts F745, pocket depth 650 mm

X = Volume flow rate in % of nominal volume flow rate
Y = Initial pressure differential in Pa

Specification text

TROX pocket filter inserts F743 and F745:

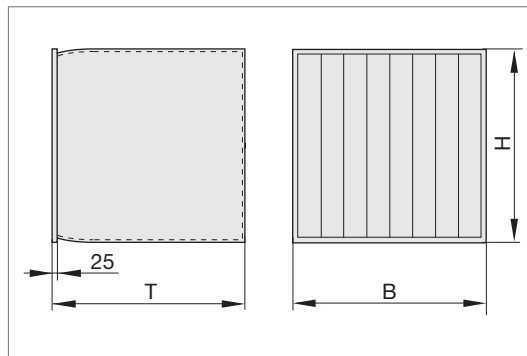
- » Front frame made of plastic or metal.
- » Wedge-shaped filter pockets made of nonwoven chemical fibres.
- » Tested according to EN 779.
- » Packed in stable carton suitable for transport.

Technical data:

Filter class according to EN 779 _____
 Average arrestance according to EN 779 _____ %
 Average efficiency according to EN 779 _____ %
 Dimensions (B x H x T) _____ mm
 Nominal volume flow rate _____ l/s (m³/h)
 Initial differential pressure _____ Pa
 Max. operating temperature _____ °C
 Max. relative humidity _____ %
 Net weight _____ kg
 Order number _____
 Make: TROX

Technical data

Dimensional tolerance:
+ 0 mm
- 1 mm



Detail drawing 1: Pocket filter inserts F743 and F745

Dimensions of F743 and F745










Dimensions B x H mm	Filter type		F743	F745
	Pocket depth	mm	360	650
592 x 592 mm 	Order number		F743F04	F745F06
	Number of pockets	Item	6	5
	Filter area	m ²	2.8	4.3
	Nominal volume flow rate	l/s	950	950
	Nominal volume flow rate	m ³ /h	3400	3400
490 x 592 mm 	Order number		F743F54	F745F56
	Number of pockets	Item	5	4
	Filter area	m ²	2.4	3.4
	Nominal volume flow rate	l/s	780	780
	Nominal volume flow rate	m ³ /h	2800	2800
287 x 592 mm 	Order number		F743F34	F745F36
	Number of pockets	Item	3	3
	Filter area	m ²	1.4	2.5
	Nominal volume flow rate	l/s	475	475
	Nominal volume flow rate	m ³ /h	1700	1700
592 x 490 mm 	Order number		F743Z54	F745Z56
	Number of pockets	Item	6	5
	Filter area	m ²	2.3	3.4
	Nominal volume flow rate	l/s	780	780
	Nominal volume flow rate	m ³ /h	2800	2800
592 x 287 mm 	Order number		F743Z34	F745Z36
	Number of pockets	Item	6	5
	Filter area	m ²	1.5	2.3
	Nominal volume flow rate	l/s	475	475
	Nominal volume flow rate	m ³ /h	1700	1700
287 x 287 mm 	Order number		F743F24	F745F26
	Number of pockets	Item	3	3
	Filter area	m ²	0.8	1.3
	Nominal volume flow rate	l/s	280	230
	Nominal volume flow rate	m ³ /h	850	850
592 x 892 mm 	Order number		F743L04	F745L06
	Number of pockets	Item	6	5
	Filter area	m ²	4.2	6.2
	Nominal volume flow rate	l/s	1420	1420
	Nominal volume flow rate	m ³ /h	5100	5100
490 x 892 mm 	Order number		F743L54	F745L56
	Number of pockets	Item	5	4
	Filter area	m ²	3.5	5.3
	Nominal volume flow rate	l/s	1170	1170
	Nominal volume flow rate	m ³ /h	4200	4200
287 x 892 mm 	Order number		F743L34	F745L36
	Number of pockets	Item	3	3
	Filter area	m ²	2.1	3.1
	Nominal volume flow rate	l/s	710	710
	Nominal volume flow rate	m ³ /h	2550	2550

Table 2: Pocket filter inserts F743 and F745

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Filters

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