

Technical Data

Bag Filter Inserts

of chemical fibre media



TROX[®] **TECHNIK**

Bag Filter Inserts

F742 (360 mm long)

Bag filter inserts are used as prefilters in ventilation and air conditioning systems for separation of fine dust.

They consist of a plastic, front header with individual tapered filter bags made from chemical fibre media.

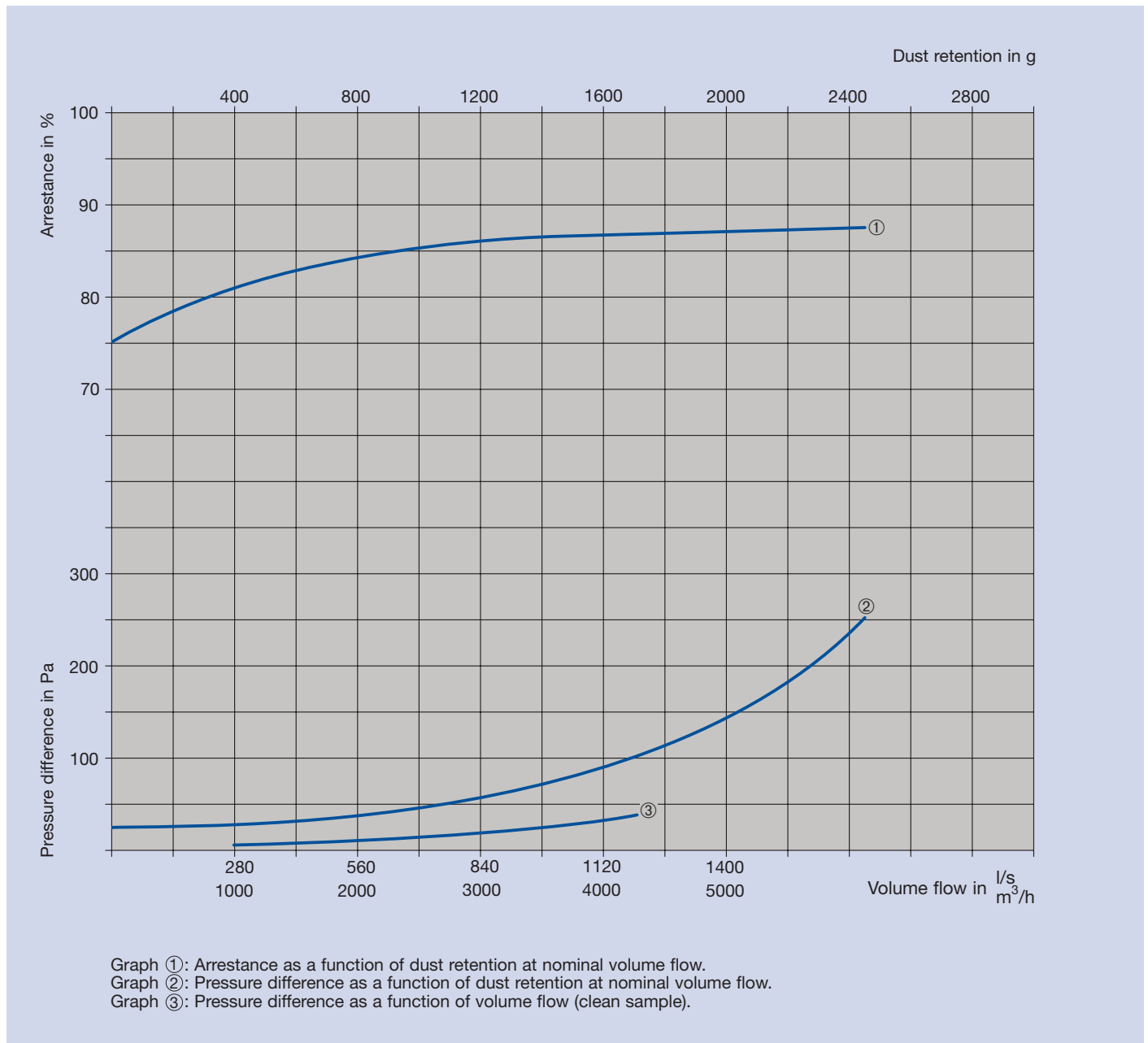
Trox bag filter inserts are tested to EN 779 (Particle air filters for general ventilation and air conditioning purposes). The DIN test and control mark and design number guarantee consistent high product quality.

The filter data given are average values determined after taking into account production tolerances.

Bag Filter Type		F 742
Filter class to EN 779 ¹⁾		G3
Average synthetic dust weight arrestance	approx. in %	82
Dimensions W x H x D ²⁾	in mm	592 x 592 x 360
Number of pockets		6
Filter area approx.	in m ²	2.8
Nominal volume flow	in l/s in m ³ /h	950-1200 3400-4300
Initial pressure differential at nominal volume flow		in Pa 25-35
Temperature resistance		in °C up to +90

¹⁾ EN 779: "Particle air filters for general ventilation and air conditioning purposes".
(Equivalent to ASHRAE STANDARD 52-76).

²⁾ Bag filter inserts are available in all standard header dimensions (see leaflet F7/2/EN/).



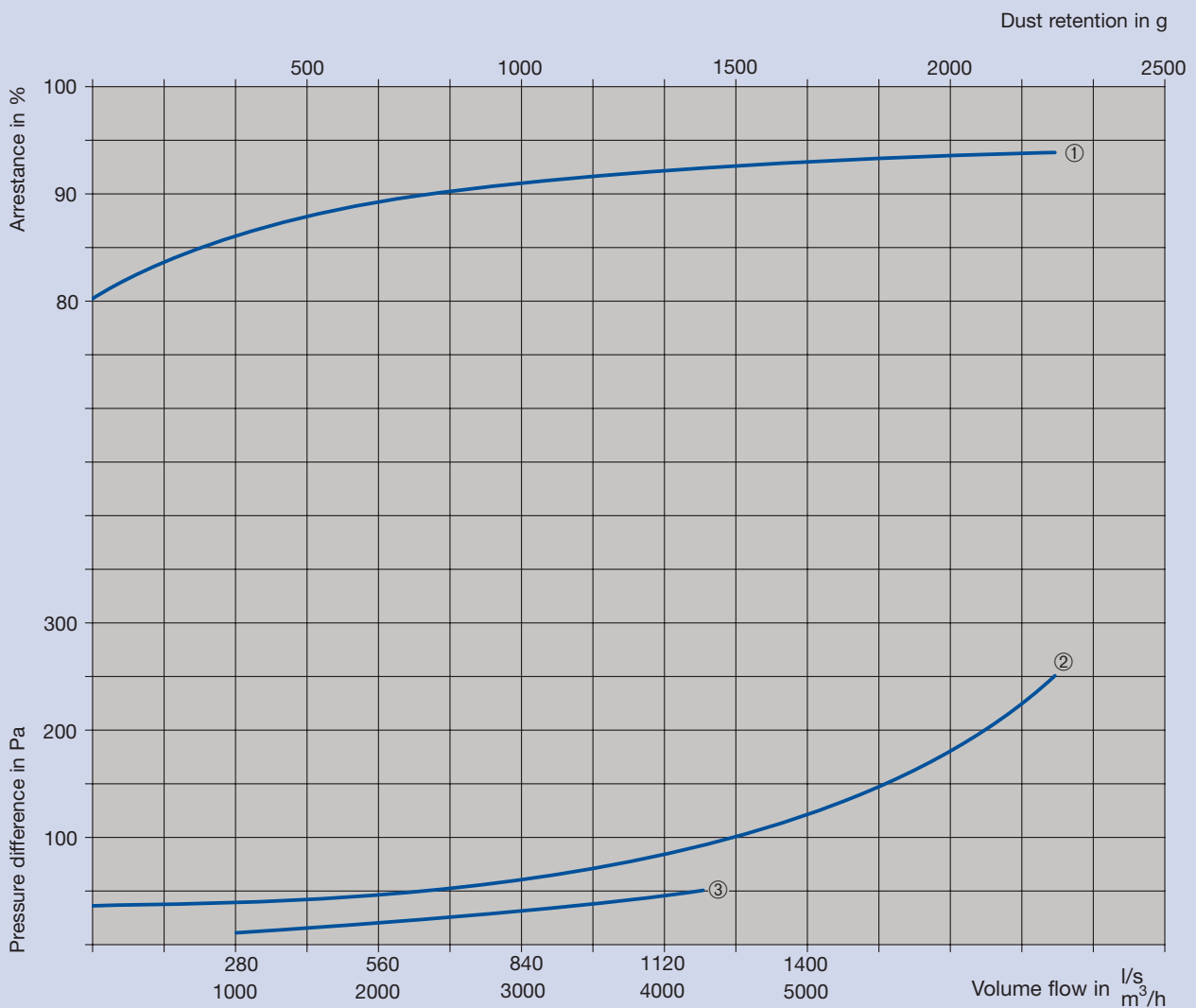
F743 (360 mm long)

Bag Filter Type		F 743
Filter class to EN 779 ¹⁾		G4
Average synthetic dust weight arrestance	approx. in %	90
Dimensions W x H x D ²⁾	in mm	592 x 592 x 360
Number of pockets		6
Filter area approx.	in m ²	2.8
Nominal volume flow	in l/s in m ³ /h	950-1200 3400-4300
Initial pressure differential at nominal volume flow	in Pa	35-50
Temperature resistance		in °C up to +90

¹⁾EN 779: "Particle air filters for general ventilation and air conditioning purposes".

(Equivalent to ASHRAE STANDARD 52-76).

²⁾Bag filter inserts are available in all standard header dimensions (see leaflet F7/2/EN/.).



Graph ①: Arrestance as a function of dust retention at nominal volume flow.

Graph ②: Pressure difference as a function of dust retention at nominal volume flow.

Graph ③: Pressure difference as a function of volume flow (clean sample).

F745 (650 mm long)

Bag Filter Type		F 745
Filter class to EN 779 ¹⁾		F5
Average atmospheric dust spot efficiency	approx. in %	47
Dimensions W x H x D ²⁾	in mm	592 x 592 x 650
Number of pockets		5
Filter area approx.	in m ²	4.3
Nominal volume flow	in l/s in m ³ /h	950-1200 3400-4300
Initial pressure differential at nominal volume flow	in Pa	70-100
Temperature resistance	in °C	up to + 90

¹⁾EN 779: "Particle air filters for general ventilation and air conditioning purposes".

(Equivalent to ASHRAE STANDARD 52-76).

²⁾Bag filter inserts are available in all standard header dimensions (see leaflet F7/2/EN/.).

