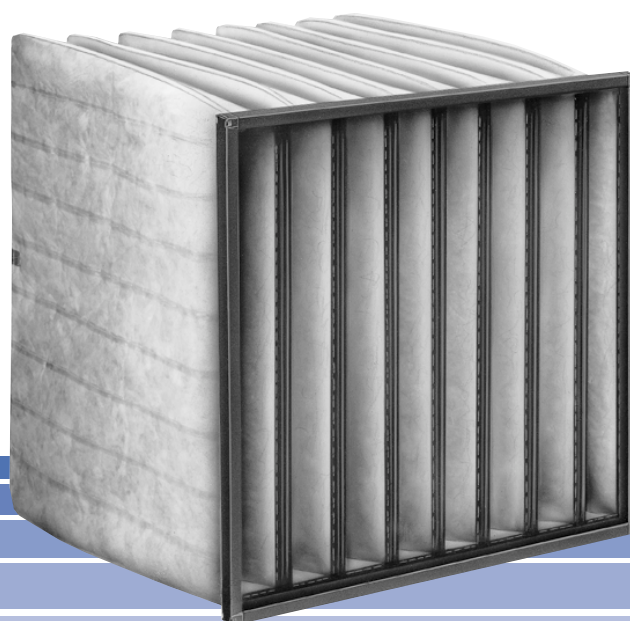


# Technical Data

# Bag Filter Inserts

of glass-fibre media



**TROX**<sup>®</sup> **TECHNIK**

# Bag Filter Inserts

# F744 (600 mm long)

Bag filter inserts are used as prefilters and main filter in ventilation and air conditioning systems for separation of particles or aerosols. They consist of a plastic front header with tapered, stitched filter bag made from high quality glass-fibre media.

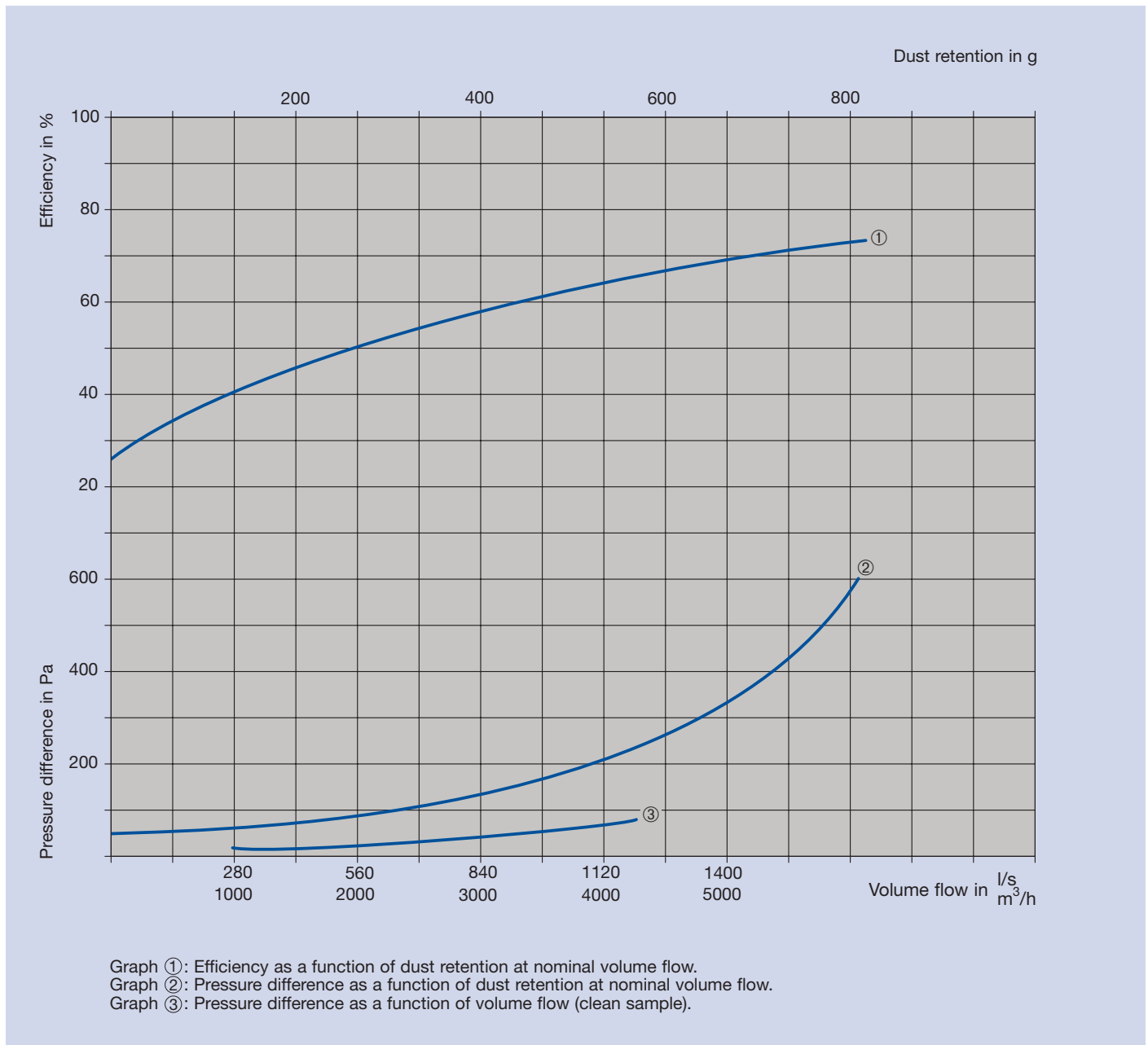
Trox bag filter inserts are tested to EN 779 (Particle air filters for general ventilation and air conditioning purposes). The DIN test and control mark and design number guarantee consistent high product quality.

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

Bag Filter Type		F 744
Filter class to EN 779 <sup>1)</sup>		F5
Average atmospheric dust spot efficiency	approx. in %	55
Dimensions W x H x D <sup>2)</sup>	in mm	592 x 592 x 600
Number of pockets		6
Filter area approx.	in m <sup>2</sup>	5.2
Nominal volume flow	in l/s in m <sup>3</sup> /h	950-1200 3400-4300
Initial pressure differential at nominal volume flow	in Pa	50-70
Temperature resistance	in °C	-30 to +90

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

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



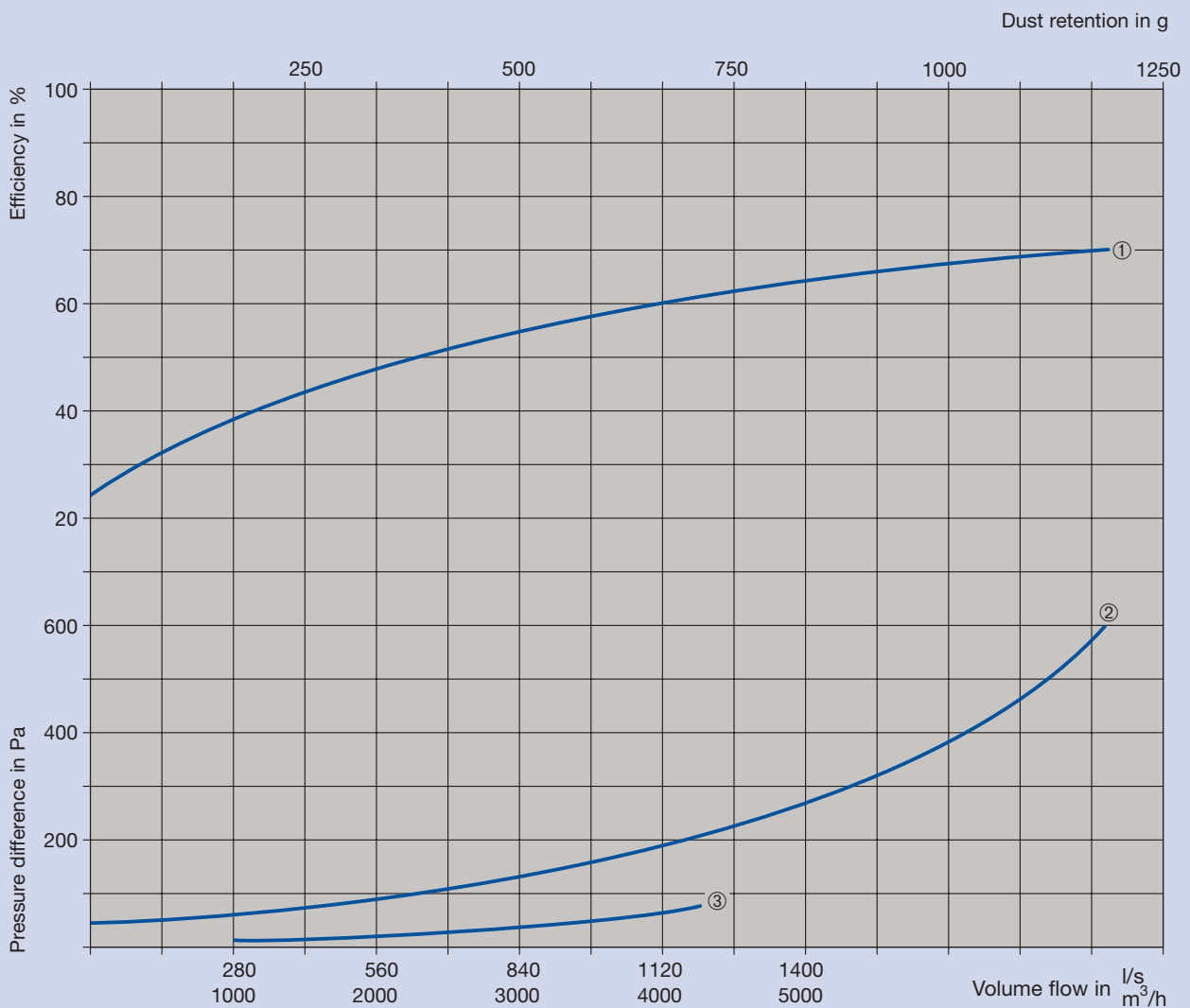
# F744 (700 mm long)

Bag Filter Type		F 744
Filter class to EN 779 <sup>1)</sup>		F5
Average atmospheric dust spot efficiency	approx. in %	55
Dimensions W x H x D <sup>2)</sup>	in mm	592 x 592 x 700
Number of pockets		8
Filter area approx.	in m <sup>2</sup>	7.6
Nominal volume flow	in l/s in m <sup>3</sup> /h	950-1200 3400-4300
Initial pressure differential at nominal volume flow		in Pa 50-70
Temperature resistance		in °C -30 to +90

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

(Equivalent to ASHRAE STANDARD 52-76).

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



Graph ①: Efficiency 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).

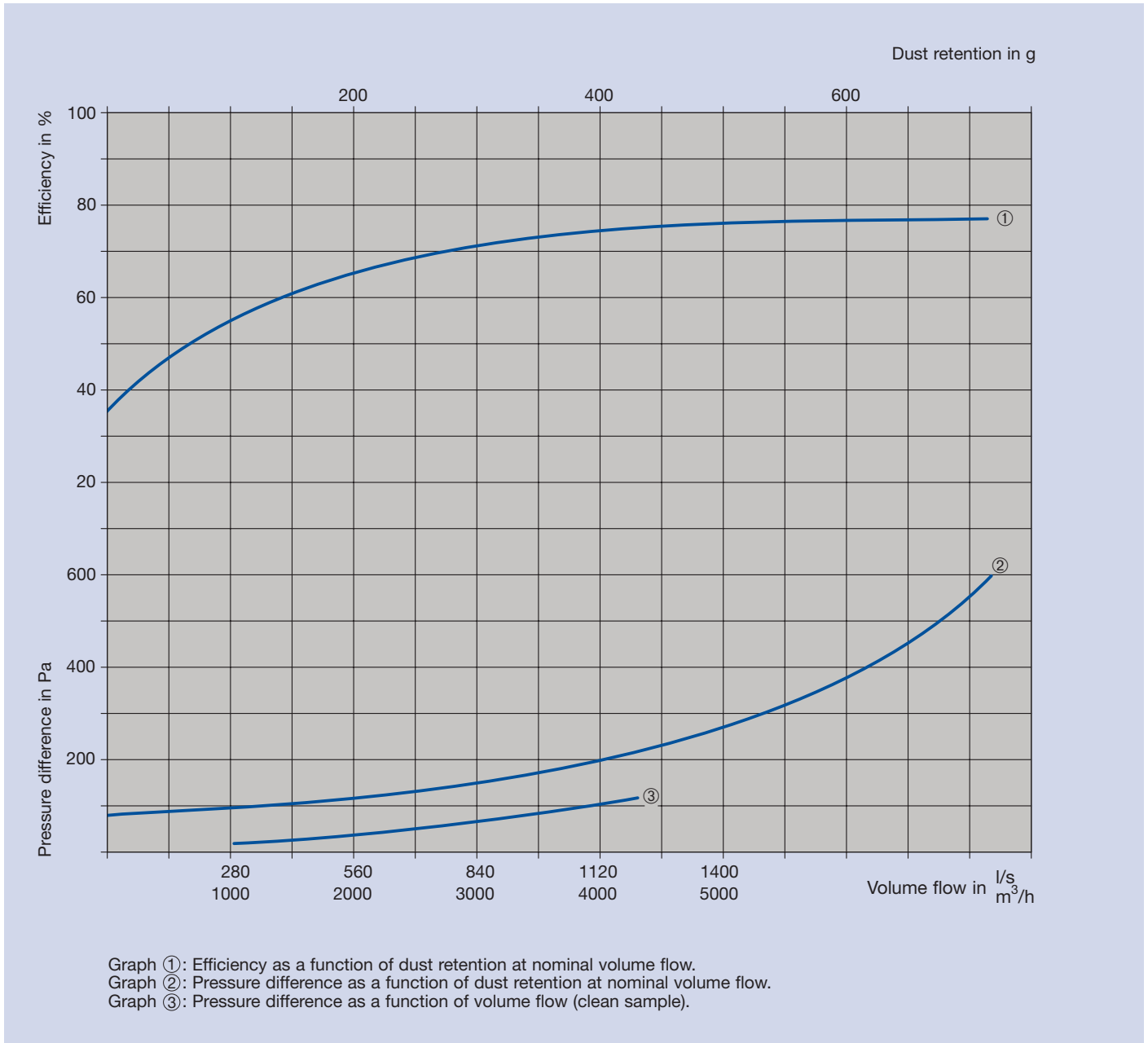
# F746 (600 mm long)

Bag Filter Type	F 746	
Filter class to EN 779 <sup>1)</sup>	F6	
Average atmospheric dust spot efficiency	approx. in %	65
Dimensions W x H x D <sup>2)</sup>	in mm	592 x 592 x 600
Number of pockets	6	
Filter area approx.	in m <sup>2</sup>	5.2
Nominal volume flow	in l/s	950-1200
	in m <sup>3</sup> /h	3400-4300
Initial pressure differential at nominal volume flow	in Pa	80-110
Temperature resistance	in °C	-30 to +90

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

(Equivalent to ASHRAE STANDARD 52-76).

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



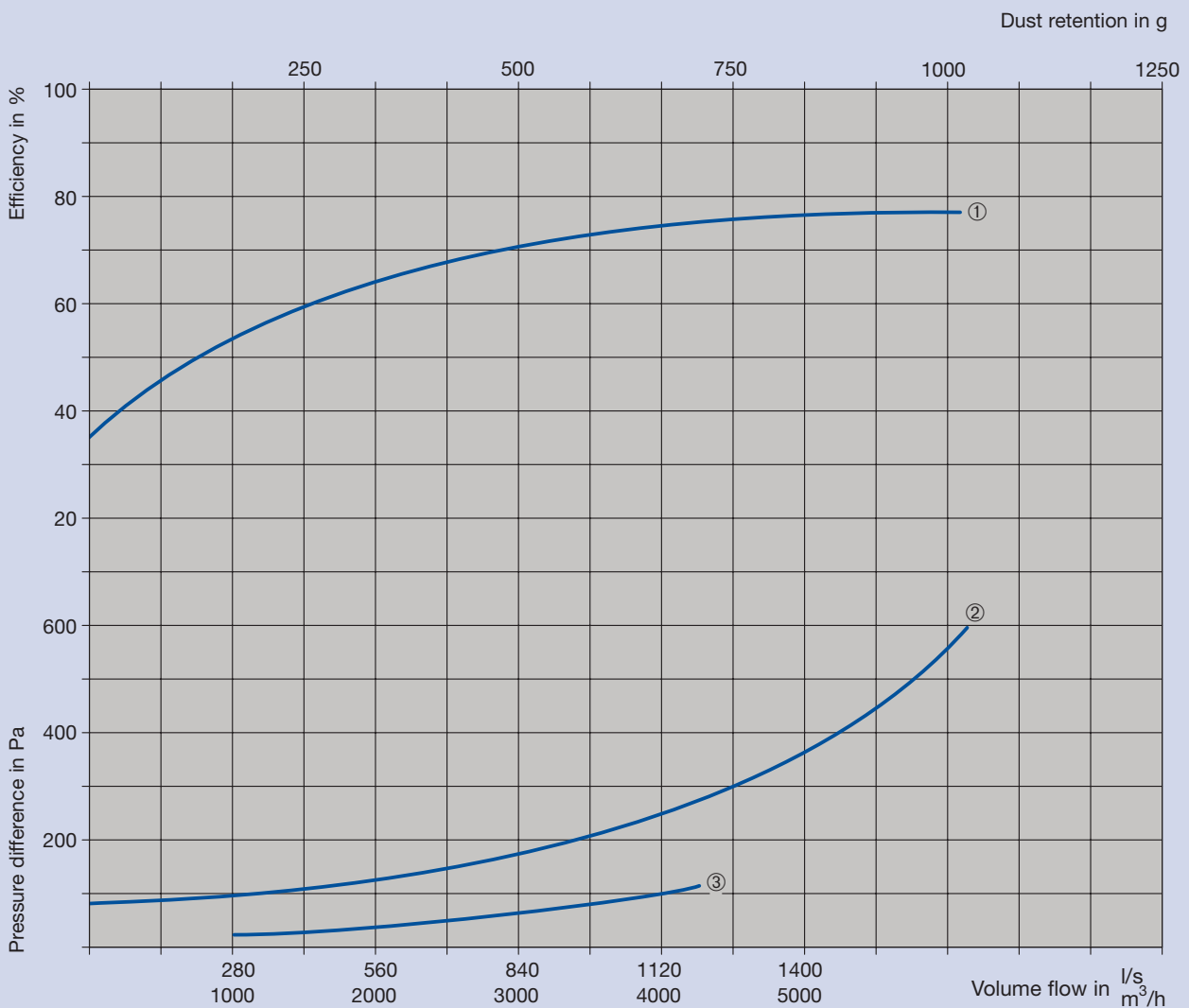
# F746 (700 mm long)

Bag Filter Type		F 746	
Filter class to EN 779 <sup>1)</sup>		F 6	
Average atmospheric dust spot efficiency	approx. in %	65	
Dimensions W x H x D <sup>2)</sup>	in mm	592 x 592 x 700	
Number of pockets		8	
Filter area approx.	in m <sup>2</sup>	7.6	
Nominal volume flow	in l/s in m <sup>3</sup> /h	950-1200 3400-4300	
Initial pressure differential at nominal volume flow		in Pa	80-110
Temperature resistance		in °C	-30 to +90

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

(Equivalent to ASHRAE STANDARD 52-76).

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



Graph ①: Efficiency 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).

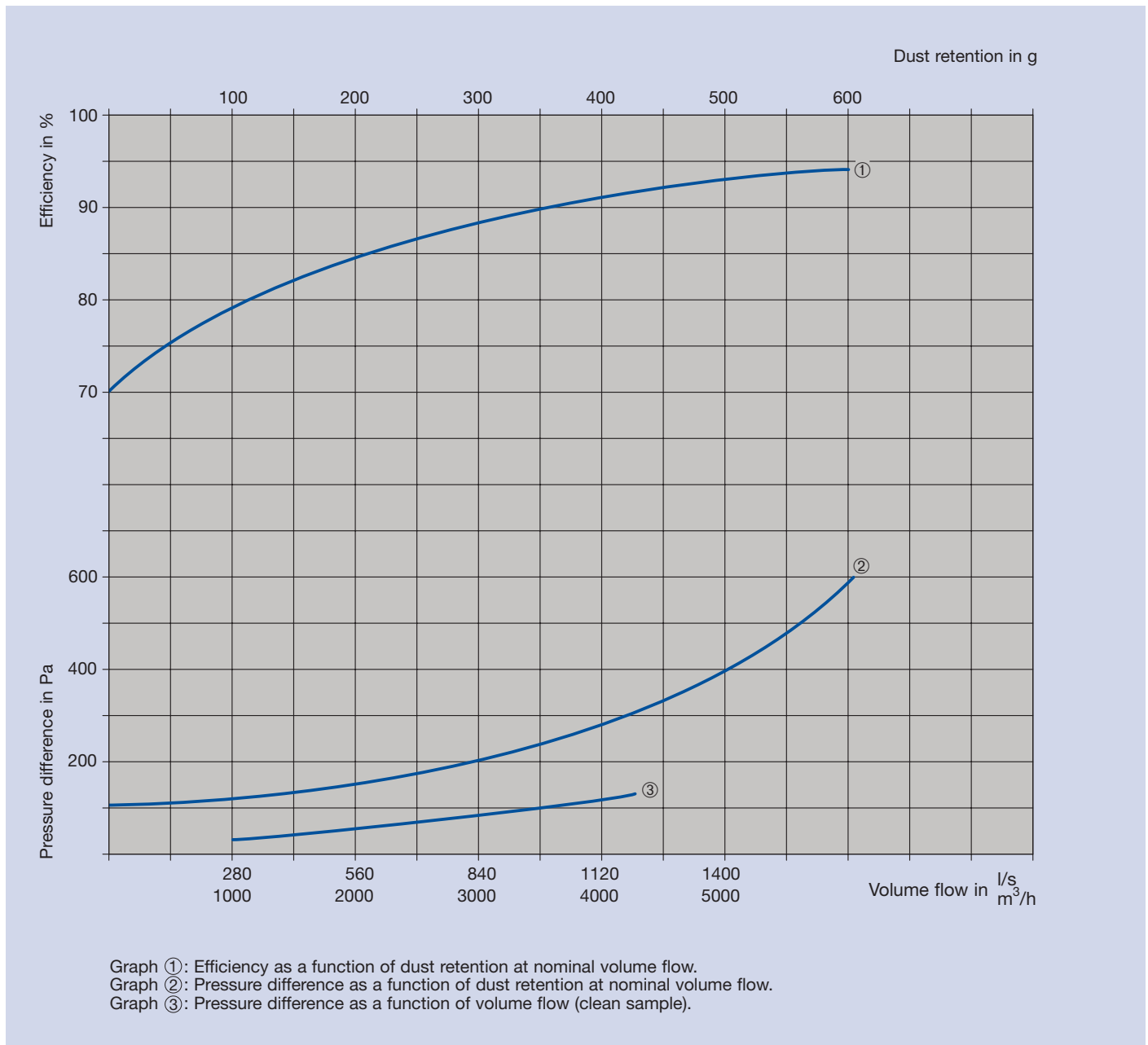
# F748 (600 mm long)

Bag Filter Type		F 748
Filter class to EN 779 <sup>1)</sup>		F 7
Average atmospheric dust spot efficiency	approx. in %	85
Dimensions W x H x D <sup>2)</sup>	in mm	592 x 592 x 600
Number of pockets		8
Filter area approx.	in m <sup>2</sup>	6.6
Nominal volume flow	in l/s	950-1200
	in m <sup>3</sup> /h	3400-4300
Initial pressure differential at nominal volume flow	in Pa	100-130
Temperature resistance		-30 to +90

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

(Equivalent to ASHRAE STANDARD 52-76).

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



Graph ①: Efficiency 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).

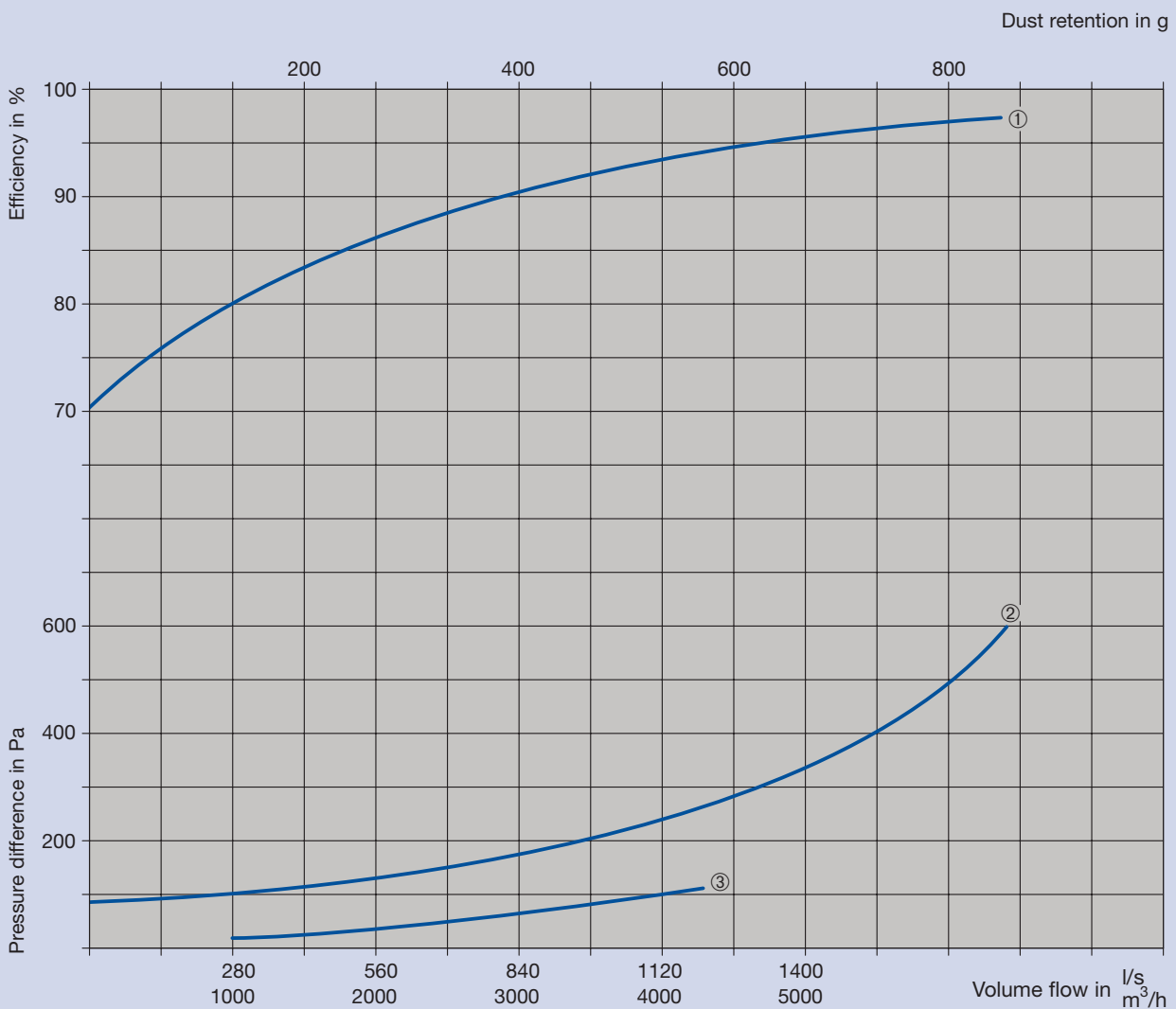
# F748 (700 mm long)

Bag Filter Type		F 748
Filter class to EN 779 <sup>1)</sup>		F 7
Average atmospheric dust spot efficiency	approx. in %	85
Dimensions W x H x D <sup>2)</sup>	in mm	592 x 592 x 700
Number of pockets		10
Filter area approx.	in m <sup>2</sup>	9.4
Nominal volume flow	in l/s in m <sup>3</sup> /h	950-1200 3400-4300
Initial pressure differential at nominal volume flow		in Pa 80-110
Temperature resistance		in °C -30 to +90

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

(Equivalent to ASHRAE STANDARD 52-76).

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



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

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

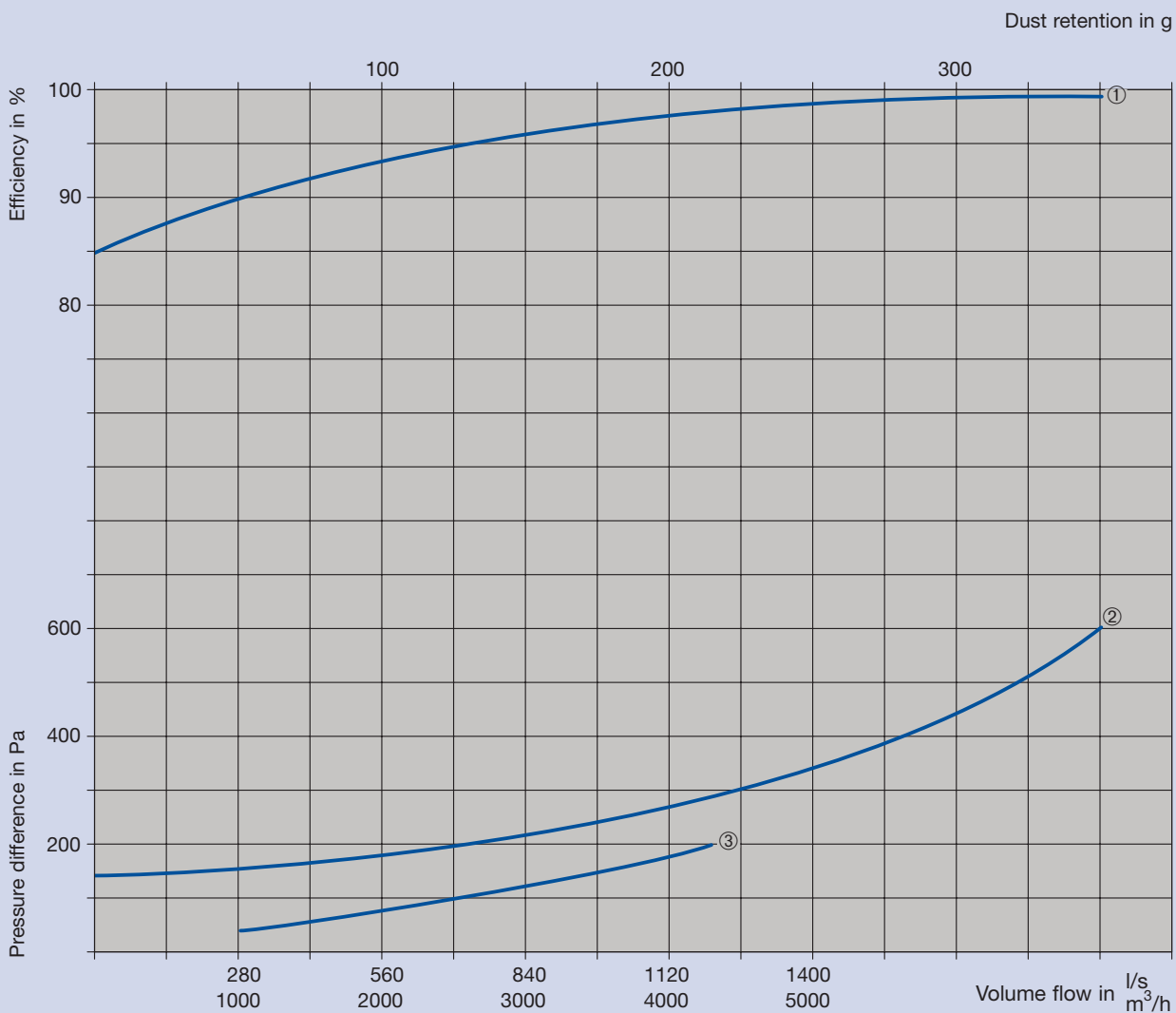
Graph ③: Pressure difference as a function of volume flow (clean sample).

# F749 (600 mm long)

Bag Filter Type		F 749
Filter class to EN 779 <sup>1)</sup>		F 8
Average atmospheric dust spot efficiency	approx. in %	95
Dimensions W x H x D <sup>2)</sup>	in mm	592 x 592 x 600
Number of pockets		8
Filter area approx.		in m <sup>2</sup> 6.6
Nominal volume flow		in l/s 950-1200 in m <sup>3</sup> /h 3400-4300
Initial pressure differential at nominal volume flow		in Pa 140-190
Temperature resistance		in °C -30 to +90

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

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



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

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

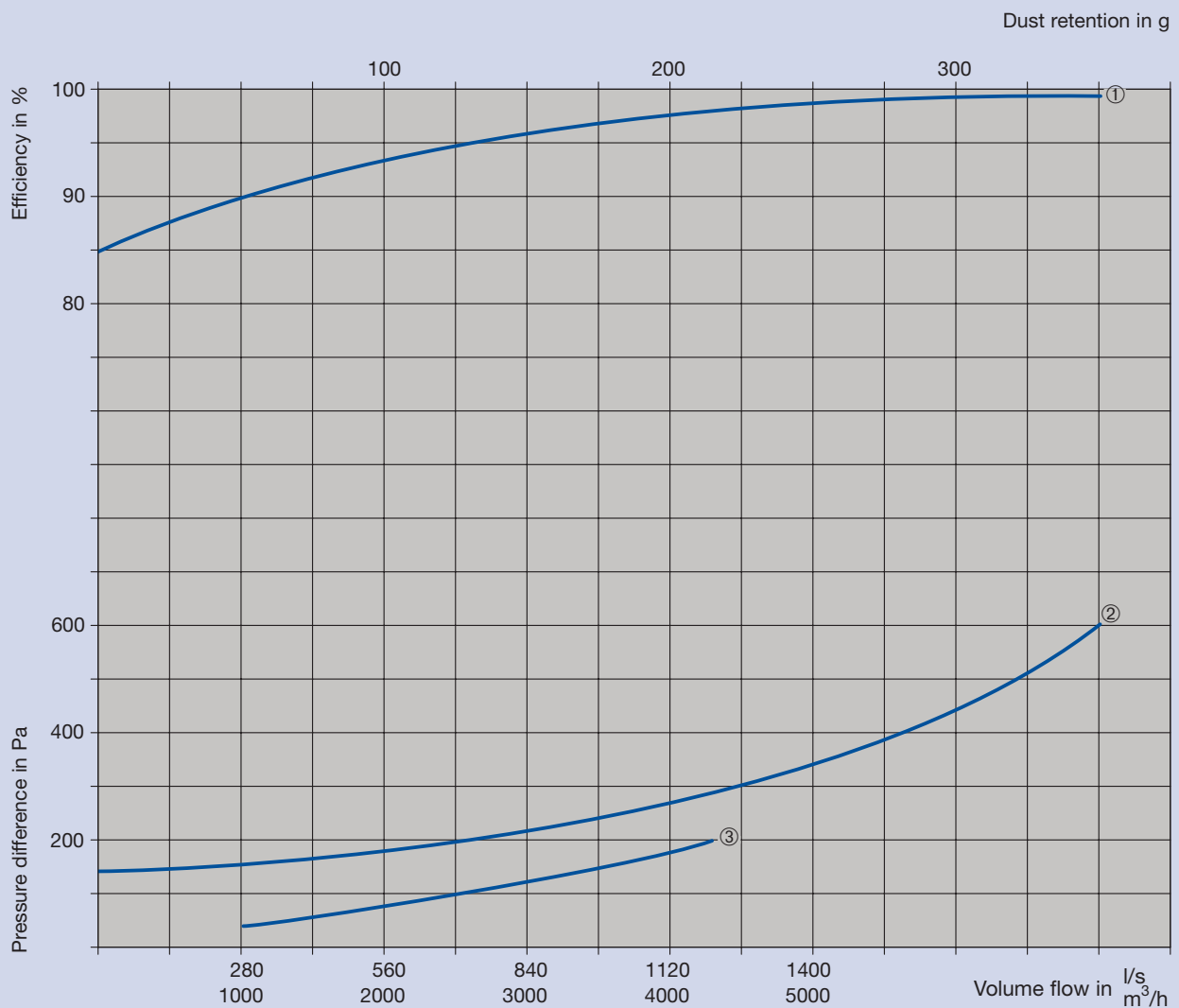
Graph ③: Pressure difference as a function of volume flow (clean sample).

# F749 (700 mm long)

Bag Filter Type		F 749
Filter class to EN 779 <sup>1)</sup>		F8
Average atmospheric dust spot efficiency	approx. in %	95
Dimensions W x H x D <sup>2)</sup>	in mm	592 x 592 x 700
Number of pockets		10
Filter area approx.	in m <sup>2</sup>	9.4
Nominal volume flow	in l/s in m <sup>3</sup> /h	950-1200 3400-4300
Initial pressure differential at nominal volume flow	in Pa	120-160
Temperature resistance	in °C	-30 to +90

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

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



Graph ①: Efficiency 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).