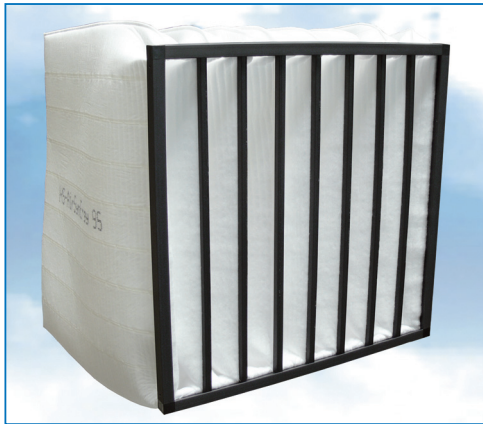


Pocket Filter HS-AirSynErgy 88 (Fine Dust Filter)



HS-AirSynErgy 88

HS-AirSynErgy bag filter has conical & tapered filter bags manufactured from a fully synthetic filter with a special inner wave structure. This allows virtually twice the filter surface compared to conventional bag filters at the same filter dimensions. This is reducing the pressure drop by up to 30%. Moreover, the larger internal surface area provides a lot more dust holding capacity which extends the service life of these filters by 30 to 60%. HS AirSynErgy is a purely mechanical working filter and is not requiring any electrostatic to meet the demands of the EN779: 2012.

The filter serves as pre-filtration element or as main-filter, e.g. as for fine dust filtration in air-conditioning systems that require a very high degree of air purity, filter in outside air inlets in assembly rooms or switch boxes, for food processing, pre-filter in clean rooms for pharmaceutical processes, aerosol-filtration, and further processes, where extremely pure air is needed.

■ **Frame:**

- plastic 25 [mm] (combustible)
- plastic 20[mm] (combustible)
- galvanized 25 [mm] - standard

■ **Operational Environments:**

max. rel. humidity 100 [%]

■ **initial- Δ P:**

75 [Pa] (@ nominal air flow)

■ **Filtermedium:**

synthetic media with inner wave structure,
color: plain white with print
double inner surface for lowest pressure drop,
fulfills EN779:2012

■ **Incinerable:**

YES (frame: plastic)

■ **Filter Class EN 779:2012:**

F7

■ **Arrestance EN 779:2012:**

>99 [%]

■ **Efficiency EN 779:2012:**

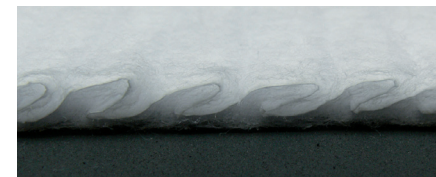
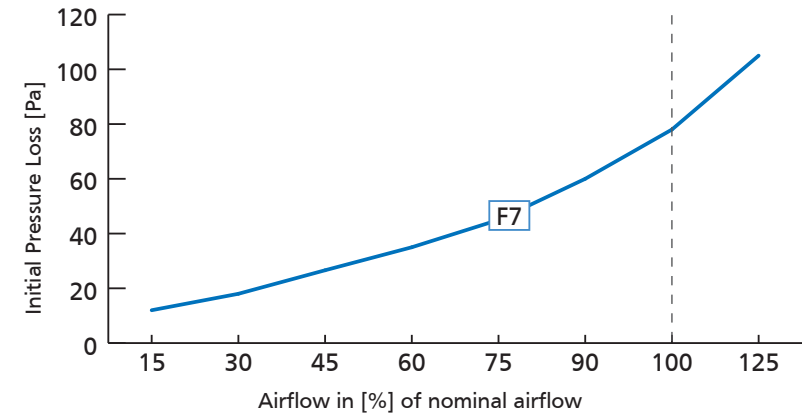
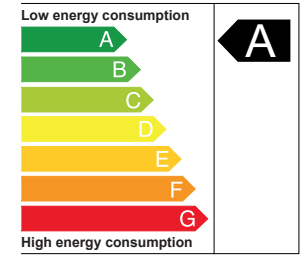
>=90 [%], M.E.> 40%

■ **Options:**

- various number of bags
- foamed gasket on the front frame
- completely incinerable with plastic front frame

Width [mm]	Height [mm]	Depth=650 [mm] V [m³/h]	# of pockets
592	592	3400	8
490	592	2800	6
287	592	1700	4
287	287	850	4
592	892	5100	8
287	892	2550	4

Energy class according to standard Eurovent 4/11:

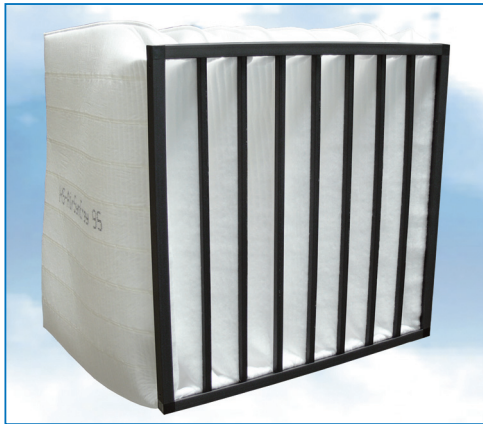


Easy to notice: The cross section illustrates that the waved structure offers a much larger filtration surface in the same dimensions as usual flat media.

Our flexible production will be able to assemble the units upon your request. Please ask for further dimensions and configurations.



Pocket Filter HS-AirSynErgy 95 (Fine Dust Filter)



HS-AirSynErgy 95

HS-AirSynErgy bag filter has conical & tapered filter bags manufactured from a fully synthetic filter with a special inner wave structure. This allows virtually twice the filter surface compared to conventional bag filters at the same filter dimensions. This is reducing the pressure drop by up to 30%. Moreover, the larger internal surface area provides a lot more dust holding capacity which extends the service life of these filters by 30 to 60%. HS AirSynErgy is a purely mechanical working filter and is not requiring any electrostatic to meet the demands of the EN779: 2012.

The filter serves as pre-filtration element or as main-filter, e.g. as for fine dust filtration in air-conditioning systems that require a very high degree of air purity, filter in outside air inlets in assembly rooms or switch boxes, for food processing, pre-filter in clean rooms for pharmaceutical processes, aerosol-filtration, and further processes, where extremely pure air is needed.

■ **Frame:**

- plastic 25 [mm] (combustible)
- plastic 20[mm] (combustible)
- galvanized 25 [mm] - standard

■ **Operational Environments:**

max. rel. humidity 100 [%]

■ **initial- Δ P:**

110 [Pa] (@ nominal air flow)

■ **Filtermedium:**

synthetic media with inner wave structure, color: plain white with print double inner surface for lowest pressure drop, fulfills EN779:2012

■ **Incinerable:**

YES (frame: plastic)

■ **Filter Class EN 779:2012**

F9

■ **Arrestance EN 779:2012:**

>99 [%]

■ **Efficiency EN 779:2012:**

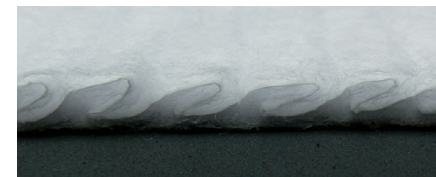
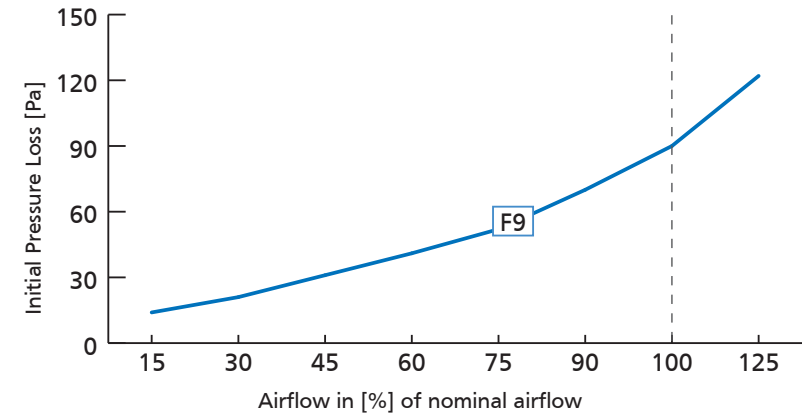
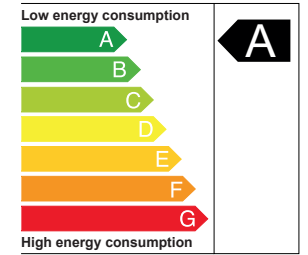
>95 [%], M.E.> 70%

■ **Options:**

- various number of bags
- foamed gasket on the front frame
- completely incinerable with plastic front frame

Width [mm]	Height [mm]	Depth=650 [mm] V [m³/h]	# of pockets
592	592	3400	8
490	592	2800	6
287	592	1700	4
287	287	850	4
592	892	5100	8
287	892	2550	4

Energy class according to standard Eurovent 4/11:



Easy to notice: The cross section illustrates that the waved structure offers a much larger filtration surface in the same dimensions as usual flat media.

Our flexible production will be able to assemble the units upon your request. Please ask for further dimensions and configurations.

