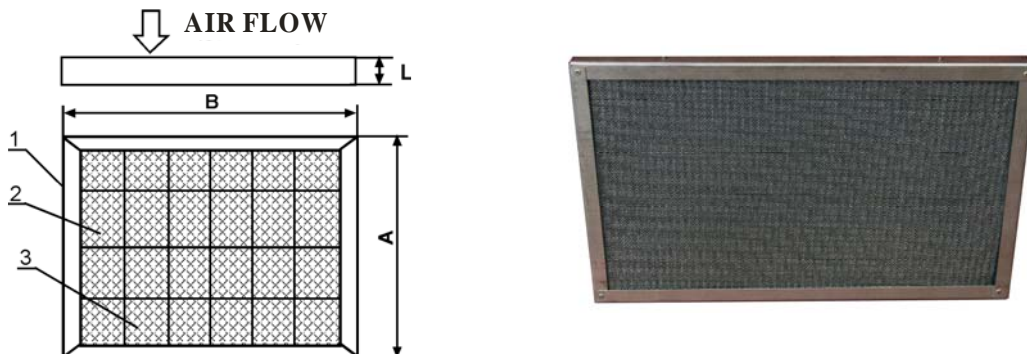


# Air filters for kitchen of type FF

**Air filters of type FF** are used for clearing exhaust air of oil and fatty aerosols, removed by local suckers from kitchen stoves, in cafes, restaurants, bars, etc.



## CHARACTERISTICS

Table 1

Filter class FF by EN 779	Specific air flow, $\text{m}^3/\text{h}\cdot\text{m}^2$	Pressure drop, Pa	
		Initial	Final
G2 (EU2)	5400 ÷ 9000	20 - 35	140

## BASIC DIMENSION-TYPES

Table 2

Index of filter FF	Dimensions, mm			Volume air flow, $\text{m}^3/\text{h}$
	Height A	Width B	Depth L	
2255	500	500	20	1350–2250
2245	400	500	20	1080–1800
2235	300	500	20	810-1350
2555	500	500	48	1350-2250
2566	592	592	48	1900-3150

Filter is operational and keeps its characteristics at air temperature from  $-40^\circ\text{C}$  to  $+150^\circ\text{C}$ .

Note: Filter index I complemented with a symbol, denoting material, from which metal mesh is made.

S – low-carbon steel

SS – stainless steel

By request filters of other dimension-types can be manufactured.

## GENERAL DESIGN AND MAINTENANCE

The scheme of filter FF is shown in figure. The filter consists of a dismantling metal body (1) formed by two metal formed profiles (sections) of galvanized steel. Inside the body there is filtering layer (2) of a set of special metal gophered mesh. To prevent falling of meshes off the body on the air outlet/inlet side, the supporting frame mesh (3) made from galvanized steel is installed in the body. Filter body can be made of stainless steel by request.

When filter is in operation it is necessary to read its pressure drop by readings of manometer, attached to connecting pipes arranged in walls of air cleaning chambers before and after filters. Upon reaching pressure difference specified in the passport and project, or chosen based on available pressure in vent system, the filter should be washed.