

FILTERS

BASIC FEATURES:

- ✦ the filters are designed to capture impurities from the air (especially grease) produced during heat treatment of the food
- ✦ filters are made AISI 304 stainless steel as stop-welded and welded casing
- ✦ standard dimensions: 300x500 mm, 500x500 mm
- ✦ dimensions of the filters in canopies with UV filtration: 300x350 mm and 500x350 mm

TYPES OF FILTERS

- ✦ **mesh filters** – comprising of several layers of aluminium mesh (usually six) placed in a rigid frame. The air flowing through the filter swirls causing the grease particles to settle on the mesh and then they run down into draining channel. Designed for use with appliances generating small amounts of grease.
- ✦ **baffle filters** – made of two profiles facing each other. The air flowing through the filter "falls" on the first profile (baffle) and is forced to change direction. Then due to the decrease of the cross-section area (the slot) the air accelerates and falls on the second profile (baffle). The grease particles contained in the air settle on the baffles and run down into the draining channel.
- ✦ **baffle-mesh filters** – combination of two types of filters: the baffle one, located at the front of the filter using the centrifugal force and the mesh one. The baffle filter is designed to remove the majority of grease particles and the remaining ones are captured by mesh filter.
- ✦ **cyclone filters** – consist of multiple profiles placed next to each other. Due to filter's special shape and negative pressure generated by the exhaust system, the air flowing through the front of the filter swirls inside the profiles and flies away to the top or the bottom of the filter. Thanks to the centrifugal force, larger and heavier grease particles settle on the baffles and run down into the draining channel.
- ✦ **„blind” filters** – due to the amount of air necessary to remove by the canopy, resulting from calculation and dimensions of the canopy, sometimes in order to obtain adequate pressure loss it is necessary to use so-called blind filter. It allows to adjust the optimum working conditions of the filters.



mesh filter



baffle filter



baffle-mesh filter



cyclone filter

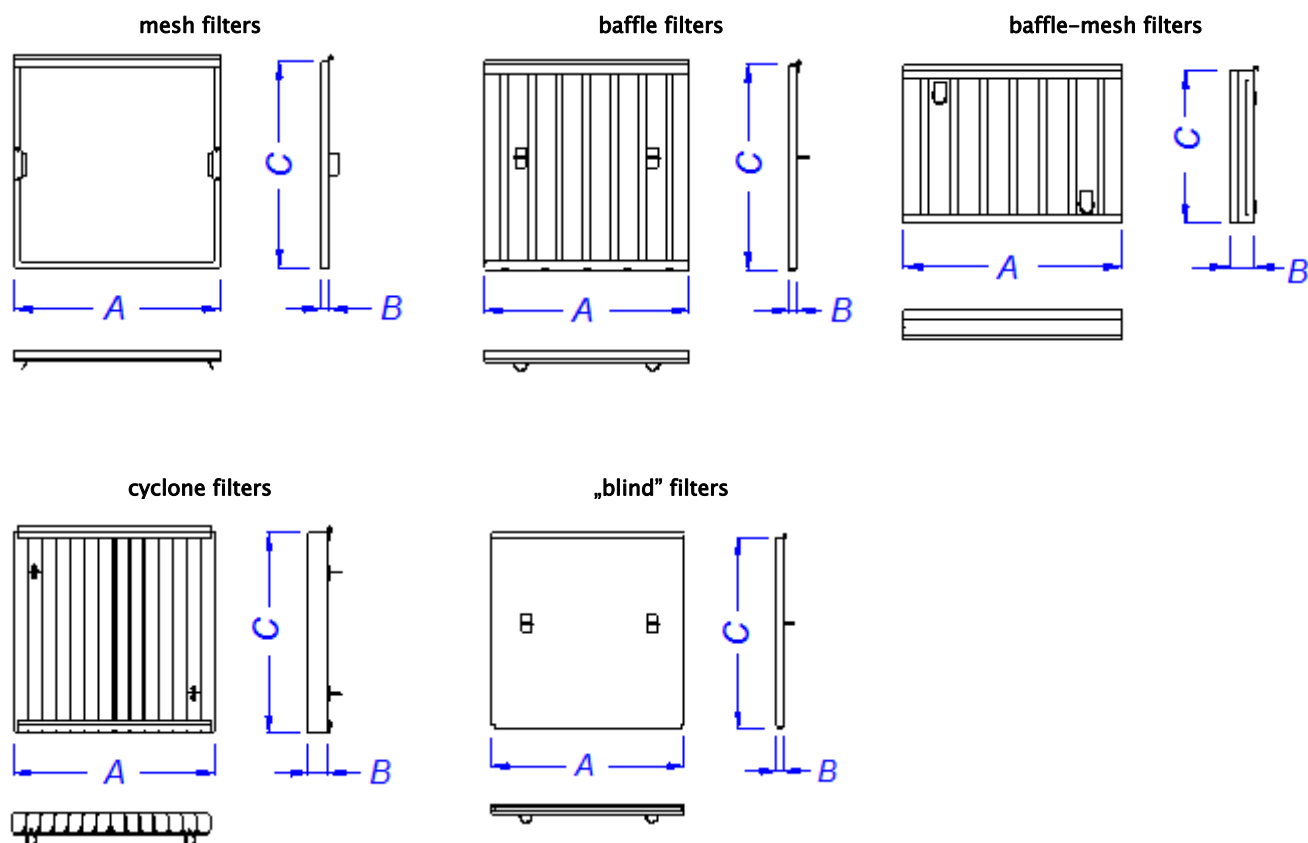


„blind” filter

DANE TECHNICZNE:

Type	dimensions		
	Width A [mm]	Depth C [mm]	Height B [mm]
mesh filters	500	500	20
	300	500	20
baffle filters	500	500	20
	300	500	20
baffle-mesh filters	500	350	60
	300	350	60
	500	500	60
	300	500	60
cyclone filters	500	500	50
	300	500	50
„blind” filters	A*	H*	B*

* – the dimensions and construction of “blind” filters are adjusted to the type and dimensions of the filters they work with



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