

# F14L

## Labyrinth filters



<b>Product</b>	F14L
<b>Material</b>	Stainless Steel
<b>Filter media</b>	Stainless Steel

### SPECIFICATIONS

Labyrinth filters, model F14L, consisting of a robust stainless steel metal frame supporting a stainless steel filter media made of various curved blades.

### FUNCTIONS

The labyrinth filter construction forces the air through continuous changes of direction, so liquid particles separate from solid ones, characterized by greater mass, which due to their inertia collide with a second blade where they are captured.

### APPLICATIONS

Anti-grease and anti-spark filtration, oil and paint mist separation, fume and vapour extraction in kitchens and cooking surfaces, grease vapour and oil mist filtration in the food industry (cooking areas).

## TECHNICAL FEATURES

<b>Filter material</b>	<b>Stainless Steel</b>
<b>Regenerability</b>	<b>Optimal</b>
<b>Flame behaviour</b>	<b>Non-flammable</b>
<b>Class EN 779</b>	<b>G2</b>
<b>Thickness (mm)</b>	<b>25</b>
<b>Initial pressure drop (Pa)</b>	<b>25</b>
<b>Recommended final pressure drop (Pa)</b>	<b>200</b>
<b>Average gravimetric arrestance (%)</b>	<b>75</b>
<b>Colorimetric efficiency (%)</b>	<b>&lt;20</b>
<b>Limit temperature value (°C)</b>	<b>200</b>
<b>Recommended face velocity (m/s)</b>	<b>1,5</b>
<b>Relative humidity (%)</b>	<b>100</b>



## PERFORMANCE

Front dimensions (mm)	Air velocity (m <sup>3</sup> /h)				
	0,5	1	1,5	2	2,5
400 x 400	290	575	875	1150	1440
400 x 500	360	720	1060	1800	1800
$\Delta p$ (Pa) sp. 20 mm	12	45	105	180	245

## INSTALLATION

F14L grease filters are installed inside the exhaust hoods of professional kitchens, directly above the cooking areas for immediate filtration and to keep the ducts clean. Installed in an inclined position, they serve to collect oil and grease and prevent dripping.

## MAINTENANCE

F14L metal filters are filters of considerable strength and durability. The time for their replacement should be determined visually, while they require regeneration as they generally treat impure air dense with particles. Regeneration is carried out by washing with the addition of appropriate solvents. The filter media can be dried with hot air or compressed air.

## DISPOSAL

F14L filters are built with inert materials that, if not contaminated by toxic-harmful substances from use, can be disposed of as municipal solid waste.