

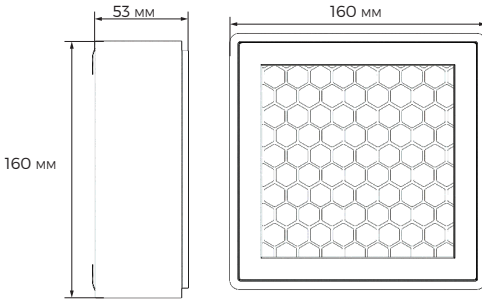
## ***FILTER FOR 3D PRINTER***



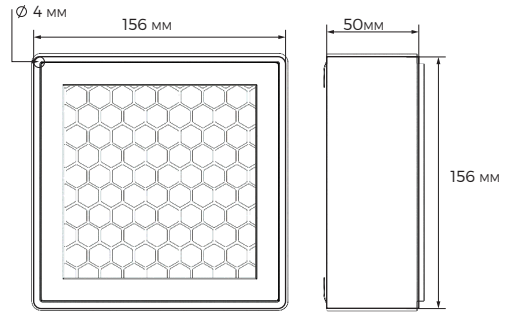
HEPA (High efficiency particulate air) filter category H14 99,995% for the most penetrating particle size (MPPS) 0.3µm. combined with activated carbon granules 1-3mm mesh size.

That filter category is recommended by the French National Center of Scientific research for FDM 3D printers.

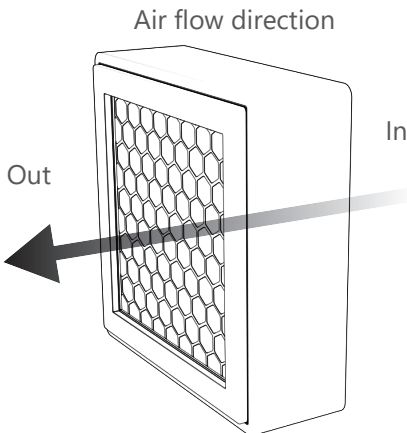
### ◆ DIMENSIONS DRAWING



Filter size including the sealing foam.



We recommend you to follow these dimensions if you want to design a slot for this filter.



### Recommandations

Handle filter with caution. If the HEPA surface (the white pleated surface) is damaged, the filter lost efficiency.

Protect your hands when you take off used filter and put it in a plastic bag.

A saturated filter is not recyclable.

## ***FILTER FOR 3D PRINTER***



### ◆ **LIFETIME**

Filter working life are associated with many factors including: filament type, melting temperature, concentration of nanoparticles and VOCs, ambient humidity... We suggest to replace HEPA filter P4D according to the following table:

Filter replacement	Intensive use	Occasional use
	4 months	8 months

We do not recommend going above 900 hours of use before to replace the filter.

### ◆ **SPECIFICATIONS**

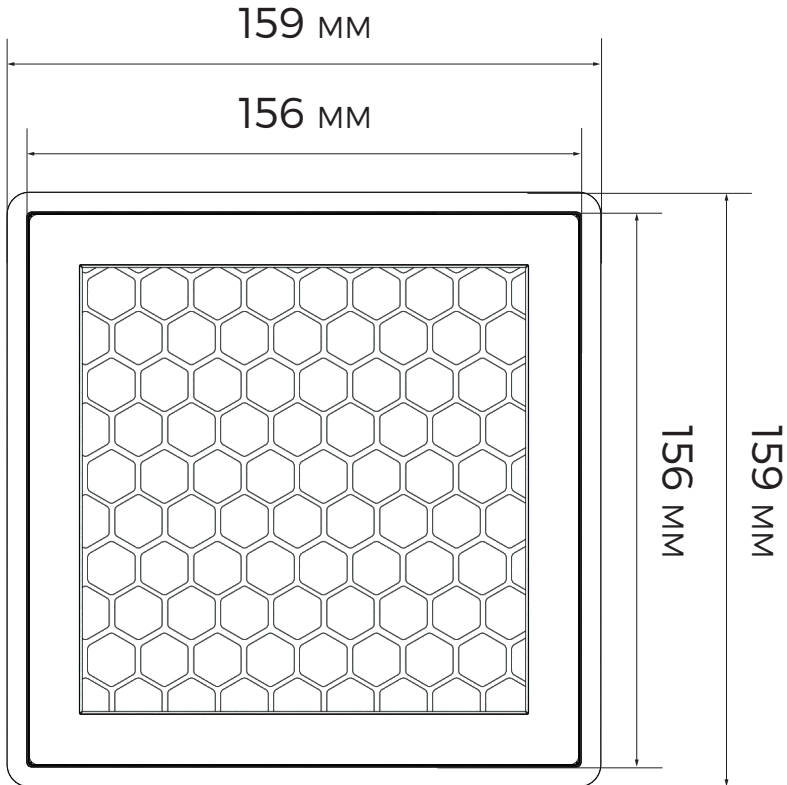
<b>Actual dimensions</b>	160 x 160 x 53 mm
<b>Frame dimensions</b>	150 x 150 x 50 mm
<b>Sealing</b>	EPDM Foam
<b>Filter grade</b>	HEPA H14
<b>Activated Carbon Type</b>	Granules 1-3 mm mesh
<b>Filter Type</b>	Pleated Panel & honeycombs
<b>Media Material</b>	Cotton, PP & PET
<b>Pressure Drop (with max. air flow)</b>	120 Pa
<b>Maximum Air Flow</b>	55 m <sup>3</sup> /h
<b>Operating temperature</b>	0-60 °C
<b>Weight</b>	290g

# ***FILTER FOR 3D PRINTER***



## ◆ **FOAM DIMENSIONS DRAWING**

Slot with dimensions between 156mm and 159mm is the recommended to ensure good sealing.



We do not recommend to make a slot under 156mm x 156 mm, if you compress more the geometry of the frame will be distorted

# ***FILTER FOR 3D PRINTER***



## ◆ **FIXED DIMENSIONS DRAWING**

Notice the frame is assembled by hand and we have a tolerance of +/- 1 mm.

