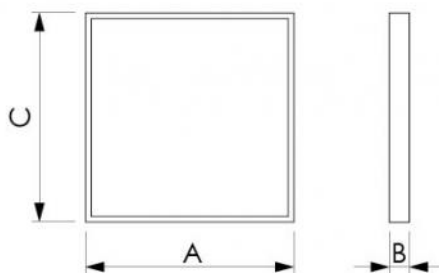


# Corrugated filter cell with 6/10 microperforated galvanised frame and G4 double galvanised protective mesh

- cod. 31600240 - cod. 31600245 - cod. 31600250  
- cod. 31600255 - cod. 31600260 - cod. 31600265  
- cod. 31600270 - cod. 31600275



## DIMENSIONS



CODE	DIMENSIONS AxBxC [mm]	FLOW RATE [m³/h]	FILTERING AREA [m²]
31600240	287 x 592 x 48	1570	0.29
31600245	400 x 400 x 48	1480	0.27
31600250	400 x 500 x 48	1850	0.34
31600255	400 x 625 x 48	2330	0.43
31600260	490 x 592 x 48	2730	0.5
31600265	500 x 500 x 48	2310	0.42
31600270	500 x 625 x 48	2860	0.53
31600275	592 x 592 x 48	3240	0.6

## DESCRIPTION

Corrugated filter cells consisting of a robust galvanised sheet metal frame with galvanised protective mesh, enclosing a polyester fibre filter media.

This structure ensures:

- mechanical strength and filter protection;
- low pressure drop;
- high capacity of dust accumulation.

## APPLICATIONS

Civil and industrial ventilation and air conditioning systems.

Air handling units, filter walls.

Pre-filtration and separation of coarse and fine dust.

They are prefilters for high-efficiency and absolute filters.

## TECHNICAL DATA

FACT	VALUE
Frame material:	galvanised sheet metal
Filter composition:	100% polyester
Nominal filter weight [g/m <sup>2</sup> ]:	200
Nominal filter thickness [mm]:	20
Air permeability [l/m <sup>2</sup> s]:	4600
Initial pressure drop [Pa]	23 @ 1,0 ms
Initial weight efficiency [%]	77
Average weight efficiency [%]	92 @ 200 Pa
Dust-retention capacity [g/m <sup>2</sup> ]	1200 @ 200 Pa
Classification EN 779:2012:	class G4
Classification EN ISO 16890-3:	ISO coarse 75%
Reaction to fire DIN 53 438-3:	class F1
Maximum operating temperature [C°]:	100
Peak temperature [°C]:	120
Maximum operating relative humidity[%]:	100
Regenerability:	yes

## ITEMS

CODE	DESCRIPTION
31600240	CORRUGATED FILTER CLASS G4 WITH GALVANISED FRAME 6/10 AND DOUBLE PROTECTION MESH 287x592x48mm
31600245	CORRUGATED FILTER CLASS G4 WITH GALVANISED FRAME 6/10 AND DOUBLE PROTECTION MESH 400x400x48mm
31600250	CORRUGATED FILTER CLASS G4 WITH GALVANISED FRAME 6/10 AND DOUBLE PROTECTION MESH 400x500x48mm
31600255	CORRUGATED FILTER CLASS G4 WITH GALVANISED FRAME 6/10 AND DOUBLE PROTECTION MESH 400x625x48mm
31600260	CORRUGATED FILTER CLASS G4 WITH GALVANISED FRAME 6/10 AND DOUBLE PROTECTION MESH 490x592x48mm
31600265	CORRUGATED FILTER CLASS G4 WITH GALVANISED FRAME 6/10 AND DOUBLE PROTECTION MESH 500x500x48mm
31600270	CORRUGATED FILTER CLASS G4 WITH GALVANISED FRAME 6/10 AND DOUBLE PROTECTION MESH 500x625x48mm
31600275	CORRUGATED FILTER CLASS G4 WITH GALVANISED FRAME 6/10 AND DOUBLE PROTECTION MESH 592x592x48mm

All rights relating to this publication are the exclusive property of Tecnosystemi SpA.

Tecnosystemi SpA reserves the right to make changes at any time and without notice, for technical or commercial needs.