

INTRODUCTION

Airguard Envirocare panel filters are constructed using a high-quality synthetic nonwoven filter mat combined with a robust galvanized metal frame, ensuring durability, structural strength, and reliable performance.

These filters are available with pleat pack depths of 48 mm or 96 mm, offering flexibility to meet different airflow and filtration requirements across various applications.

Variants equipped with header frames are designed for easy installation in commercially available mounting frames, allowing seamless integration into existing air handling systems.



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APPLICATIONS

- For potentially explosive environments
- Used as a secondary filter due to low depth
- Compatible for installation behind EDRIZZI® systems
- Suitable for paint booth exhaust air filtration
- Applicable in gas turbines
- Ideal for building ventilation systems

PRODUCT OPTIONS AVAILABLE

- Optimal dust absorption with low pressure loss.
- Corrosion & moisture resistant up to 100 % relative humidity.
- Temperature resistance is 100 °C.
- Further variants are possible on request.

Performance Details

KEY DATA	SIZES	SIZES	SIZES	SIZES
Dimensions (W x H x D) [mm]	592 x 592 x 96	592 x 592 x 96	592 x 592 x 96	592 x 592 x 96
Filter class acc. to EN 779:2012	G3	G4	G4	G4
Class to ISO 16890	ISO Coarse 45%	ISO Coarse 65%	ISO Coarse 55%	ISO Coarse 65%
Nominal volume flow [m³/h]	3.400	3.400	3.400	3.400
Initial pressure drop [Pa]	100	135	110	125
Filter area [m²]	0.9	0.9	0.9	1.0
Filter medium	P15/350 S	P15/500 S	PSB/290 S	P15/500 S
Version	Head frame	Head frame	Head frame	Box-Type

KEY DATA	SIZES	SIZES	SIZES	SIZES
Dimensions (W x H x D) [mm]	592 x 592 x 48	592 x 592 x 48	485 x 485 x 145	485 x 485 x 145
Filter class acc. to EN 779:2012	G3	G4	G4	G4
Class to ISO 16890	ISO Coarse 45%	ISO Coarse 65%	ISO Coarse 65%	ISO Coarse 65%
Nominal volume flow [m³/h]	3.400	3.400	750	750
Initial pressure drop [Pa]	70	95	20	20
Filter area [m²]	0.5	0.5	0.7	0.7
Filter medium	P15/350 S	P15/500 S	P15/500 S	P15/500 S
Version	Box-Type	Box-Type	Secondary edrizzi filter	Secondary edrizzi filter

G4 Panel Filters

**ISO 16890 Filter Class
G4 Efficiency EN779:2012**

KEY DATA	SIZES
Dimensions (W x H x D) [mm]	485 x 485 x 145
Filter class acc. to EN 779:2012	G2

KEY DATA	SIZES
Class to ISO 16890	ISO Coarse 30%
Nominal volume flow [m ³ /h]	750
Initial pressure drop [Pa]	15
Filter area [m ²]	0.7
Filter medium	P15/150 S
Version	Secondary edrizzi filter