



ALMECO

air and water technologies

INDUSTRIAL FANS

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FILTRATION

VENTILATION

member of
AXON
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OUR SOLUTIONS

Air filtration is required in a variety of situations:

- To remove pollutants from the air,
- Protection room equipment from dust increase its life and reduce maintenance,
- Protection the ventilation himself.

ALMECO will assist you in your projects to provide technical solutions for sound air filtration.

FILTERS CLASSIFICATION

CATEGORY	Class	Pressure max. (Pa)	Efficiency in % Synthetic dust	Em in % Particles 0.4 µm	Efficiency mini. Particles 0.4 µm	EFFICIENCY IN %						
						Particles	5 µm	3 µm	1 µm	0.5 µm	0.3 µm	0.1 µm
PRE-FILTRATION	G1	250	50 ≤ R < 65				85	65	10	5		
	G2	250	65 ≤ R < 80				90	85	45	25	20	15
	G3	250	80 ≤ R < 90				99	95	85	70	60	50
	G4	250	90 ≤ R				99.9	99.5	98	90	80	70
MEDIUM FILTRATION	M5	450	50 ≤ R < 65	40 ≤ Em < 60					99	98	95	92
	M6	450	65 ≤ R < 80	60 ≤ Em < 80					99.99	99.995	99.99	99.97
	F7	450	90 ≤ R	80 ≤ Em < 90	35					99.9995	99.999	99.997
FINE FILTRATION	F8	450	50 ≤ R < 65	0 ≤ Em < 95	55						99.9999	99.9997
	F9	450	90 ≤ R	95 ≤ Em	70						99.99999	99.99997

According to EN 779 – 2012.

PRE-FILTRATION

FILTRAL PF: G3 - G4

- Material: Galvanized steel frame (Sendzimir Z 275)
- Grid: 20 x 20 mm
- Operating temperature maxi.: 90°C
- Media: Synthetic pleated
- Fire classification: M1
- Relative humidity: 90%

Dimensions and characteristics:

Dimensions W x H x T (mm)	G3 Efficiency		G4 Efficiency	
	Flow rate (m³/h)	Initial Dp (Pa)	Flow rate (m³/h)	Initial Dp (Pa)
400 x 500 x 25	1000	35	1000	45
400 x 625 x 25	1250	35	1250	45
500 x 500 x 25	1250	35	1250	45
592 x 592 x 25	1800	35	1800	45

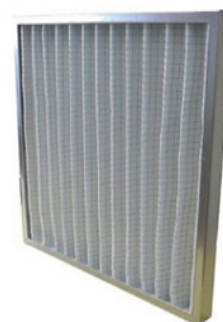


FILTRAL PFP: G4 | ePM10 50% acc. ISO16890

- Material: Galvanized steel frame (Sendzimir Z 275)
- Operating temperature maxi.: 80°C
- Media: Synthetic pleated with galvanized grid
- Fire classification: M1
- Relative humidity: 100%

Dimensions and characteristics:

Dimensions W x H x T (mm)	Flow rate (m³/h)	Initial Dp (Pa)
287 x 592 x 48	1700	65
592 x 592 x 48	3400	65
287 x 592 x 98	1700	45
592 x 592 x 98	3400	45



Filtration

FILTRAL PFPG: G4

- Material: Galvanized steel frame (Sendzimir Z 275)
- Operating temperature maxi.: 80°C
- Media: Synthetic pleated with galvanized grid
- Fire classification: M1
- Relative humidity: 100%

Dimensions and characteristics:

Dimensions W x H x T (mm)	Flow rate (m ³ /h)	Initial Dp (Pa)
287 x 592 x 360	1700	40
490 x 592 x 360	2850	40
592 x 592 x 360	3400	40
287 x 592 x 600	2125	45
490 x 592 x 600	3550	45
592 x 592 x 600	4250	45



MEDIUM AND FINE FILTRATION

FILTRAL PO: M6 – F9

- Material: Polypropylene frame with 25 mm
- Operating temperature maxi.: 70°C
- Media: Water-repellent fibreglass paper media
- Lut polyurethane
- Relative humidity: 100%

Dimensions and characteristics:

Dimensions W x H x T (mm)	Flow rate (m ³ /h)	Initial Dp (Pa)	EN 779
287 x 592 x 292	2100	95	M6
490 x 592 x 292	3500	95	M6
592 x 592 x 292	4250	95	M6
287 x 592 x 292	2100	115	F7
490 x 592 x 292	3500	115	F7
592 x 592 x 292	4250	115	F7
287 x 592 x 292	2100	130	F8
490 x 592 x 292	3500	130	F8
592 x 592 x 292	4250	130	F8
287 x 592 x 292	2100	140	F9
490 x 592 x 292	3500	140	F9
592 x 592 x 292	4250	140	F9



AXON

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OUR BUSINESS UNITS:

- industrial fans
- fluid cooling systems
- water treatment
- air treatment
- automation

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