

PANEL FILTER

(GALVANIZED METAL OR PLASTIC FRAME)



Specifications

- Large surface area
- Self-supporting and rigid
- Low pressure drop
- Simple and light weight
- High quality glass fibre
- Easy installation
- Small transport volume
- Long service life
- Airflow and installation in any direction possible

Filter Standard; EN779 and ISO16890

Final Pressure Drop; 450 Pa

Media; Glass Fibre

Max. Operating Temperature; 75° C

Frame Type; Galvanized metal

Application; Prefilter for HVAC

Faceguard; Without (available on request)

Sealing Compound; Two component polyurethane

Gasket; Without (available on request)

Seperator; Hotmelt

ATRITECH wide range of panel filters answer the demands of our customers to remove air contamination such as fine dust, smoke, vapour, soot, pollen, bacteria, etc. as prefilters or as final filters in air conditioning applications.

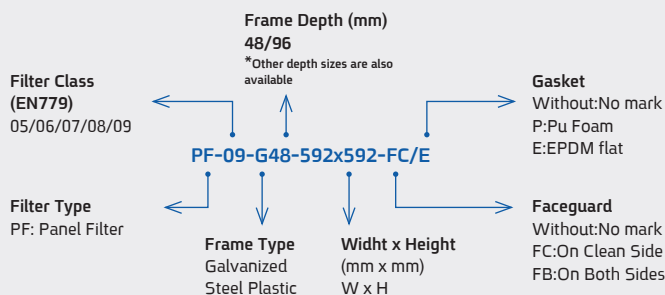
The high quality glass fibre media used in Panel Filter supply optimum performance with suitable pleat height. The water-resistant plastic frame provides extra assurance in high-humidity applications.

Panel Filters are suitable for all standard application in any efficiencies and sizes. For applications requiring increased service life, please select corresponding filters out of filter range.

Panel Filters are tested in accordance with European Standard EN779:2012 and ISO 16890.

Filter Pleat	Frame Depth	Filtration Area per m² Face Area	Nominal Air Flow for 592x592mm	Filter Class		Pack Resistance @Nominal Air Flow
	(mm)			(EN779)	(ISO16890)	
	48	17,1	2000	M6	ePM10 70%	60
				F7	ePM1 55%	80
				F8	ePM1 70%	100
				F9	ePM1 80%	145
	96	34,2	3000	M6	ePM10 70%	70
				F7	ePM1 55%	90
				F8	ePM1 70%	110
				F9	ePM1 80%	150

Other frame depths are available for special applications.



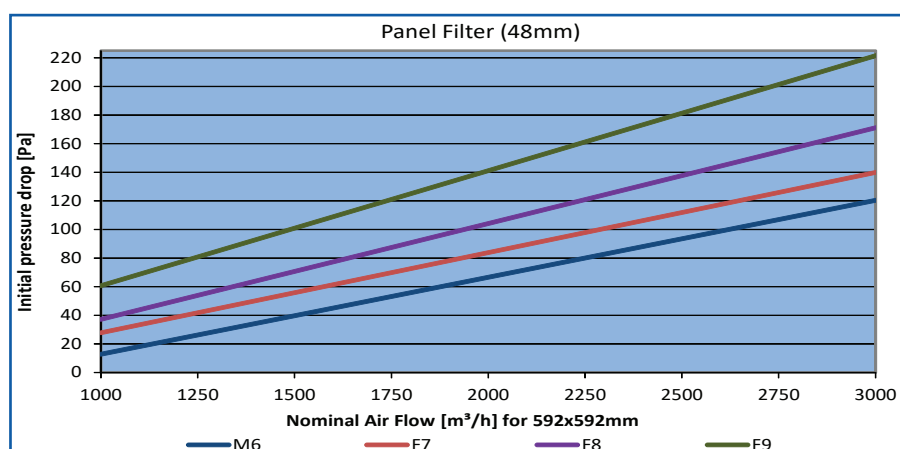
PANEL FILTER

(GALVANIZED METAL FRAME; 48MM)



Filter Model	EN779	ISO16890	Dimensions WxHxD (mm)	Filtration Area (m ²)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
PF-06-G48-592x592	M6	ePM10 70%	592x592x48	6	2000	60
PF-06-G48-490x592	M6	ePM10 70%	490x592x48	5	1660	60
PF-06-G48-287x592	M6	ePM10 70%	287x592x48	3	1000	60
PF-06-G48-287x287	M6	ePM10 70%	287x287x48	1.5	500	60
PF-07-G48-592x592	F7	ePM1 55%	592x592x48	6	2000	80
PF-07-G48-490x592	F7	ePM1 55%	490x592x48	5	1660	80
PF-07-G48-287x592	F7	ePM1 55%	287x592x48	3	1000	80
PF-07-G48-287x287	F7	ePM1 55%	287x287x48	1.5	500	80
PF-08-G48-592x592	F8	ePM1 70%	592x592x48	6	2000	100
PF-08-G48-490x592	F8	ePM1 70%	490x592x48	5	1660	100
PF-08-G48-287x592	F8	ePM1 70%	287x592x48	3	1000	100
PF-08-G48-287x287	F8	ePM1 70%	287x287x48	1.5	500	100
PF-09-G48-592x592	F9	ePM1 80%	592x592x48	6	2000	145
PF-09-G48-490x592	F9	ePM1 80%	490x592x48	5	1660	145
PF-09-G48-287x592	F9	ePM1 80%	287x592x48	3	1000	145
PF-09-G48-287x287	F9	ePM1 80%	287x287x48	1.5	500	145

Other dimensions and depth sizes are available on request.



PF-06-G48-592x592		
Filter Model	Panel Filter	PF
Filter Class	M6 (EN779)	06
Frame Material	Galvanized	G
Filter Depth	48mm	48
Filter Dimensions	WxH (mm)	592x592
Faceguard	Without	-
Gasket	Without	-

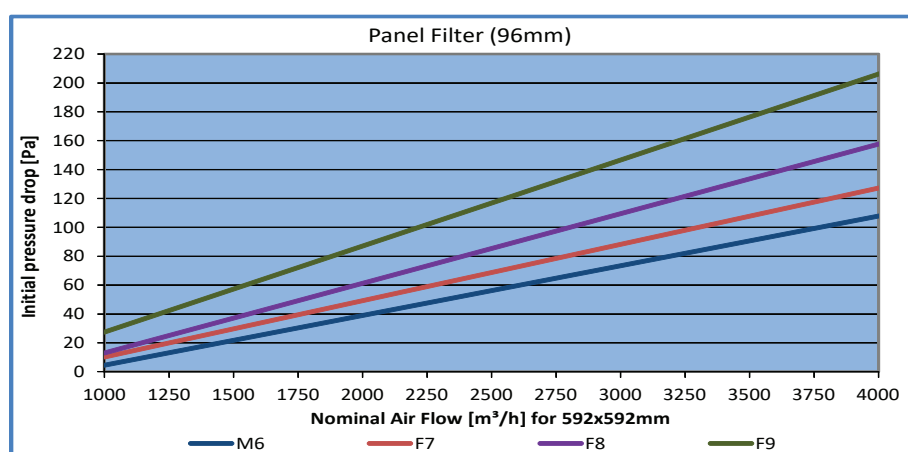
PANEL FILTER

(GALVANIZED METAL FRAME; 96MM)



Filter Model	EN779	ISO16890	Dimensions WxHxD (mm)	Filtration Area (m ²)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
PF-06-G96-592x592	M6	ePM10 70%	592x592x96	12	3000	70
PF-06-G96-490x592	M6	ePM10 70%	490x592x96	10	2500	70
PF-06-G96-287x592	M6	ePM10 70%	287x592x96	6	1500	70
PF-06-G96-287x287	M6	ePM10 70%	287x287x96	3	750	70
PF-07-G96-592x592	F7	ePM1 55%	592x592x96	12	3000	90
PF-07-G96-490x592	F7	ePM1 55%	490x592x96	10	2500	90
PF-07-G96-287x592	F7	ePM1 55%	287x592x96	6	1500	90
PF-07-G96-287x287	F7	ePM1 55%	287x287x96	3	750	90
PF-08-G96-592x592	F8	ePM1 70%	592x592x96	12	3000	110
PF-08-G96-490x592	F8	ePM1 70%	490x592x96	10	2500	110
PF-08-G96-287x592	F8	ePM1 70%	287x592x96	6	1500	110
PF-08-G96-287x287	F8	ePM1 70%	287x287x96	3	750	110
PF-09-G96-592x592	F9	ePM1 80%	592x592x96	12	3000	150
PF-09-G96-490x592	F9	ePM1 80%	490x592x96	10	2500	150
PF-09-G96-287x592	F9	ePM1 80%	287x592x96	6	1500	150
PF-09-G96-287x287	F9	ePM1 80%	287x287x96	3	750	150

Other dimensions and depth sizes are available on request.



PF-07-G96-592x592		
Filter Model	Panel Filter	PF
Filter Class	F7 (EN779)	07
Frame Material	Galvanized	G
Filter Depth	96mm	96
Filter Dimensions	WxH (mm)	592x592
Faceguard	Without	-
Gasket	Without	-

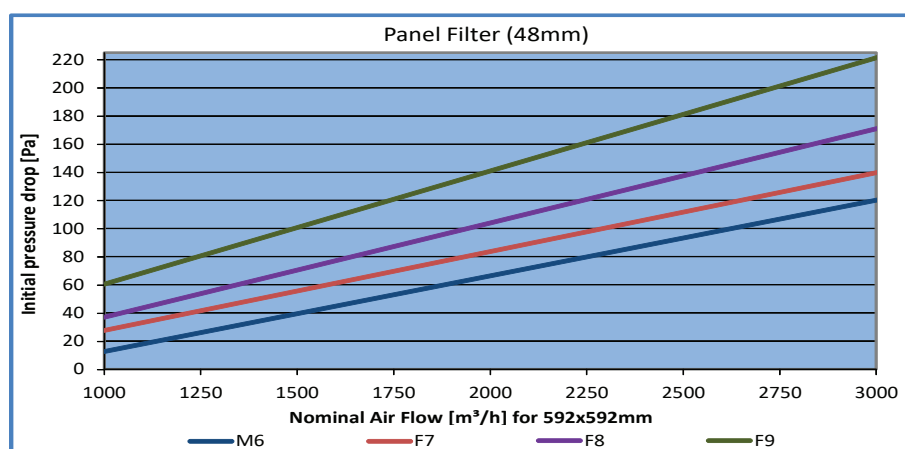
PANEL FILTER

(PLASTIC FRAME; 48MM)



Filter Model	EN779		Dimensions WxHxD (mm)	Filtration Area (m ²)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
		ISO 16890				
PF-06-P48-592x592	M6	ePM10 70%	592x592x48	6	2000	60
PF-06-P48-490x592	M6	ePM10 70%	490x592x48	5	1660	60
PF-06-P48-287x592	M6	ePM10 70%	287x592x48	3	1000	60
PF-06-P48-287x287	M6	ePM10 70%	287x287x48	1.5	500	60
PF-07-P48-592x592	F7	ePM1 55%	592x592x48	6	2000	80
PF-07-P48-490x592	F7	ePM1 55%	490x592x48	5	1660	80
PF-07-P48-287x592	F7	ePM1 55%	287x592x48	3	1000	80
PF-07-P48-287x287	F7	ePM1 55%	287x287x48	1.5	500	80
PF-08-P48-592x592	F8	ePM1 70%	592x592x48	6	2000	100
PF-08-P48-490x592	F8	ePM1 70%	490x592x48	5	1660	100
PF-08-P48-287x592	F8	ePM1 70%	287x592x48	3	1000	100
PF-08-P48-287x287	F8	ePM1 70%	287x287x48	1.5	500	100
PF-09-P48-592x592	F9	ePM1 80%	592x592x48	6	2000	145
PF-09-P48-490x592	F9	ePM1 80%	490x592x48	5	1660	145
PF-09-P48-287x592	F9	ePM1 80%	287x592x48	3	1000	145
PF-09-P48-287x287	F9	ePM1 80%	287x287x48	1.5	500	145

Other dimensions and depth sizes are available on request.



PF-08-P48-592x592		
Filter Model	Panel Filter	PF
Filter Class	F8 (EN779)	08
Frame Material	Plastic	P
Filter Depth	48mm	96
Filter Dimensions	WxH (mm)	592x592
Faceguard	Without	-
Gasket	Without	-

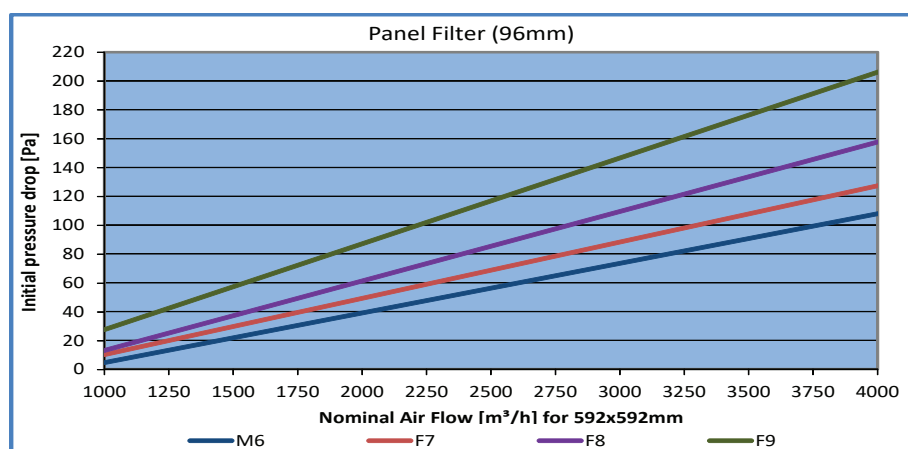
PANEL FILTER

(PLASTIC FRAME; 96MM)



Filter Model	EN779		ISO16890	Dimensions WxHxD (mm)	Filtration Area (m ²)	Nominal Airflow (m ³ /h)	Initial Pressure Drop (Pa)
	M6	M6					
PF-06-P96-592x592	M6		ePM10 70%	592x592x96	12	3000	70
PF-06-P96-490x592	M6		ePM10 70%	490x592x96	10	2500	70
PF-06-P96-287x592	M6		ePM10 70%	287x592x96	6	1500	70
PF-06-P96-287x287	M6		ePM10 70%	287x287x96	3	750	70
PF-07-P96-592x592	F7		ePM1 55%	592x592x96	12	3000	90
PF-07-P96-490x592	F7		ePM1 55%	490x592x96	10	2500	90
PF-07-P96-287x592	F7		ePM1 55%	287x592x96	6	1500	90
PF-07-P96-287x287	F7		ePM1 55%	287x287x96	3	750	90
PF-08-P96-592x592	F8		ePM1 75%	592x592x96	12	3000	110
PF-08-P96-490x592	F8		ePM1 75%	490x592x96	10	2500	110
PF-08-P96-287x592	F8		ePM1 75%	287x592x96	6	1500	110
PF-08-P96-287x287	F8		ePM1 75%	287x287x96	3	750	110
PF-09-P96-592x592	F9		ePM1 80%	592x592x96	12	3000	150
PF-09-P96-490x592	F9		ePM1 80%	490x592x96	10	2500	150
PF-09-P96-287x592	F9		ePM1 80%	287x592x96	6	1500	150
PF-09-P96-287x287	F9		ePM1 80%	287x287x96	3	750	150

Other dimensions and depth sizes are available on request.



PF-09-P96-592x592		
Filter Model	Fine Dust Panel	PF
Filter Class	F9 (EN779)	09
Frame Material	Plastic	P
Filter Depth	96mm	96
Filter Dimensions	WxH (mm)	592x592
Faceguard	Without	-
Gasket	Without	-