AirPleat
Panel Filters

G4 - ISO 16890 Coarse 70%

TESTED ACCORDING TO
EN 779:2012

ISO 16890

Filter classes

G 1-4   M 5-6   F 7-9   E 10-12   H 13-14   U 15-17

G — M — F — E — H — U →

Particle sizes (not true to scale)

Tested according to ISO 16890 - EN 779:2012, our range of efficient **AirPleat** Panel Filters deliver consistent performance as a pre filter for air conditioning applications, including hotels, offices, hospitals, food environments and asbestos removal.

Choose AirPleat Panel Filters for consistent pre-filter performance.

THE KEY BENEFITS

1 — **Performance**

The G4 ISO 16890 Coarse 70% cotton and synthetic mix is an ideal pre-filter. The frame design allows 98% of the filter face to be used. This design feature, coupled with uniformed pleat configuration, optimises the available filter area, increasing dust holding capacity and service life.

2 — **Construction**

Available on moisture resistant card, metal or plastic frames dependent on the specific applications or atmospheric conditions.

3 — **Energy Efficient**

The large dust holding capacity increases efficiency reducing energy consumption, CO_2 emissions and running costs.

Air conditioning & ventilation technology

Painting & drying technology

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APPLICATIONS

Pre-filtration for:

- Hotels, offices, hospitals
- Food environments
- Asbestos removal

VERSIONS

- Full range of standard sizes, bespoke sizes available
- Frame types:
  - Card
  - Plastic
  - Metal frame, recommended for areas with a high moisture content or high air volumes
- Frame depths 22mm, 47mm or 96mm
- G4-F9 available

MATERIAL CHARACTERISTICS

- Tested according to EN 779:2012 and ISO 16890
- Rated G4 to EN 779
- Arrestance >90%
- Efficiency >25% >35%
- Final pressure drop 250 Pa
- Operating temperature 70°C

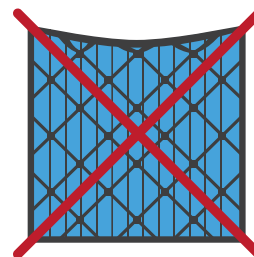## PLEATED PANEL CHARACTERISTICS

- Extended filter area
- Expanded metal support
- 98% open face area
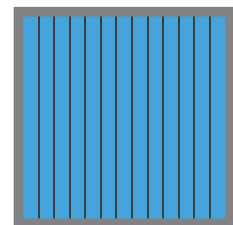- Uniformed pleat configuration for maximum performance
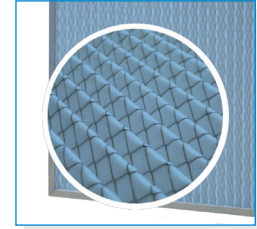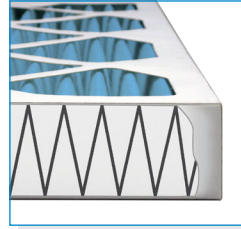
How to install pleated panel filters
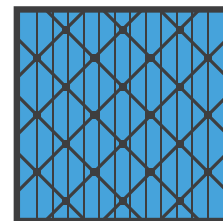
Recommended Installation
Pleats running vertically.

Common Issue
Sagging card frame filter due to too much moisture, causing air bypass.

Solution
Robust metal frame filter with pleats running vertically.

CLASSIFICATION

- Filter class G4 - ISO 16890 / Coarse 70%
- Filter class M5-F9 available - however, we would recommend our CompaPleat range for this application

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Performance Details G4 - ISO 16890 Coarse 70%								
Nominal H x W	**Actual H x W**	**Airflow [m³/h]**			**Initial Pressure Drop [Pa]**			
		22 mm	**47 mm**	**98 mm**	**22 mm**	**47 mm**	**98 mm**	
12x12	287x287	-	790	-	-	80	-	
15x15	369x369	-	1300	1640	-	80	85	
16x16	395x395	1125	1500	-	75	80	-	
18x18	445x445	-	1895	2380	-	80	85	
20x12	496x287	-	1350	-	-	80	-	
20x15	496x369	1300	1750	-	75	80	85	
20x16	496x395	1400	1870	2380	75	80	85	
20x20	496x496	1780	2360	2950	75	80	85	
24x12	596x287	1230	1700	2125	75	80	85	
24x16	596x395	1700	2250	-	75	80	-	
24x18	596x445	-	2540	-	-	80	-	
24x20	596x496	2130	2830	3540	75	80	85	
24x24	596x596	2560	3400	4250	75	80	85	
25x16	620x395	1760	2350	2940	75	80	85	
25x20	620x496	2200	2950	3700	75	80	85	

Type AirPleat

22mm (14 pleats/lf)
47mm (10 pleats/lf)
98mm (08 pleats/lf)
Final recommended pressure drop 250 Pa)