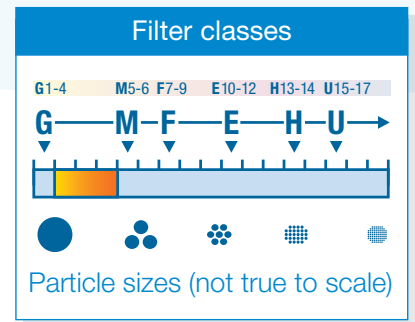




# ProPleat Panel Filters

**G4** Tested according to EN 779:2012



Our range of ProPleat panel filters are tested to EN 779:2012 and provide consistent performance as a pre-filter for hotels, offices, hospitals and food environments. Similar to our AirPleat filters, they offer 50% more pleats delivering improved dust holding capacity and extended service life.

Choose **ProPleat** panel filters for extended service life and dust holding.

## THE KEY BENEFITS

### 1 Extended service life

ProPleat panels have 50% more pleats than our standard AirPleat Panels. This increased surface area enables even greater dust holding capacity, delivering extended service life, reducing filter changes and waste to landfill.

### 2 Performance

With 50% more pleats than standard pleated panels this makes the ProPleat even more rigid and robust, enabling them to operate at far higher air volumes without bowing or buckling, while greatly reducing the initial pressure loss.

### 3 Energy saving

The large dust holding capacity and lower pressure drop over the life of the filter increases efficiency, reducing the direct energy required, thereby reducing CO<sub>2</sub> emissions and running costs.



**Air conditioning & ventilation technology**



**Painting & drying technology**



# ProPleat Panel Filters

## APPLICATIONS

### Pre filtration for:

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

## VERSIONS

- Full range of standard sizes, bespoke sizes available upon request
- Frame types:
  - Card
  - 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

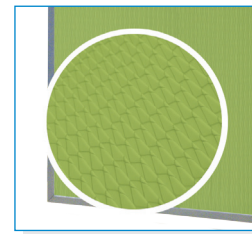
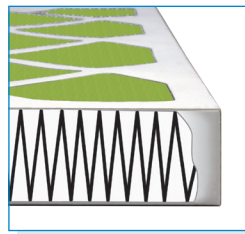
- Tested according to EN 779:2012
- Rated G4 to EN 779
- Arrestance >90%
- Efficiency >25% >35%
- Final pressure drop 250 Pa
- Operating temperature 70°C

## CLASSIFICATION

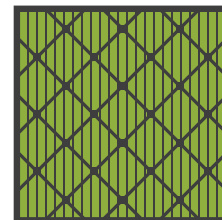
- Filter class G4
- Filter class M5-F9 available on request - we would recommend our Compa Pleat range for this

## PLEATED PANEL CHARACTERISTICS

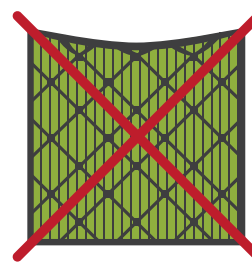
- Extended filter area 50% more pleats than a standard panel
- Low initial pressure drop
- Expanded metal support
- 98% open face area
- Uniformed pleat configuration for maximum performance



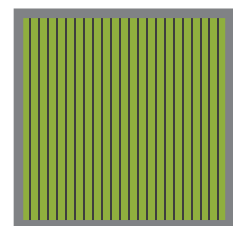
### How to install pleated panel filters



**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.



# ProPleat

## Panel Filters

ProPleat - Performance Details								
	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
<b>Type ProPleat</b>  22mm (16 pleats/lf) 47mm (15 pleats/lf) 98mm (11 pleats/lf) Final recommended pressure drop 250 Pa	12x12	287x287	-	790	-	-	70	-
	15x15	369x369	-	1300	1640	-	70	80
	16x16	395x395	1125	1500	-	65	70	-
	18x18	445x445	-	1895	2380	-	70	80
	20x12	496x287	-	1350	-	-	70	-
	20x15	496x369	1300	1750	-	65	70	-
	20x16	496x395	1400	1870	2380	65	70	80
	20x20	496x496	1780	2360	2950	65	70	80
	24x12	596x287	1230	1700	2125	65	70	80
	24x16	596x395	1700	2250	-	65	70	-
	24x18	596x445	-	2540	-	-	70	-
	24x20	596x496	2130	2830	3540	65	70	80
	24x24	596x596	2560	3400	4250	65	70	80
	25x16	620x395	1760	2350	2940	65	70	80
25x20	620x496	2200	2950	3700	65	70	80	