



Carbon Fresh Pleats Panel Filters

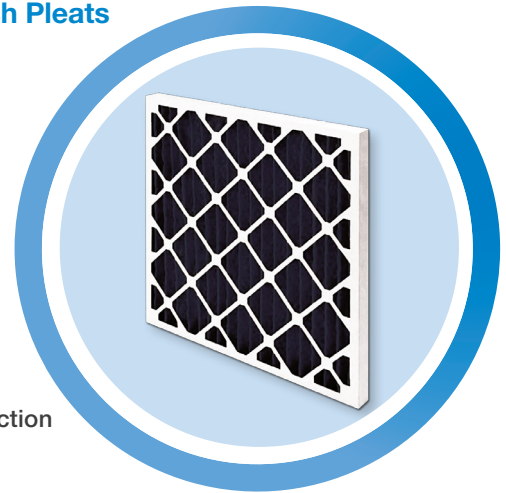
G4 - Tested according to EN 779:2012

Eliminate unpleasant smells and gases with our Carbon Fresh Pleats



Lightweight and robust, our **Carbon Fresh Pleats** are designed to remove odours and gaseous pollutants coupled with dust and dirt from the atmosphere, to greatly improve Indoor Air Quality (IAQ).

Available in wide range of sizes and a choice of card or metal frames, **Carbon Fresh Pleats** are used in a variety of applications including city centre offices, food production, healthcare and hospitality, where a reduction in odours or fume adsorption is required.



The key benefits

1

Odour Removal

Impregnated with carbon particles, **Carbon Fresh Pleats** absorb low level gaseous contaminants to remove unpleasant odours greatly improving IAQ.

2

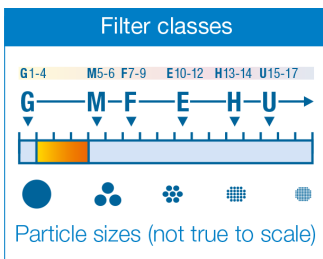
Cost Effective

With a 98% filter surface area and uniformed pleat configuration, **Carbon Fresh Pleats** deliver high dust holding capacity for optimum filtration together with efficient odour removal.

3

Flexible

Available in a choice of frame types, depths and sizes they can be used as a direct replacement for existing panel filters with no need for expensive modifications.



Painting & drying technology



Air conditioning & ventilation technology

Fire retardant to DIN53438-3 (F1)





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Versions

- Frame types:
 - Card
 - Galvanised steel
- Frame Depths: 22mm, 47mm and 96mm

Applications

- Offices
- Hotels and hospitality
- Healthcare
- Food production

Material Characteristics

- Tested according to EN 779:2012
- Arrestance > 90%
- Relative humidity 80%
- Operating temperature 80°C

Classification

- Filter class G4

| 1 Inch/22mm Carbon Fresh Pleats | | | | | | | | |
|---------------------------------|----------------------------|------------------------|-----------------------|-------------------|---------------|------|-----------------------|------|
| Part Number | Nominal Face Size (Inches) | Nominal Depth (Inches) | Actual Face Size (mm) | Actual Depth (mm) | Capacity M3/S | | Resistance in Pascals | |
| | | | | | Standard | High | Standard | High |
| CP4-241 | 12x24 | 1 | 292x595 | 22 | 0.28 | 0.41 | 50 | 65 |
| CP4-701 | 15x20 | 1 | 370x496 | 22 | 0.30 | 0.61 | 50 | 65 |
| CP4-101 | 16x20 | 1 | 394x496 | 22 | 0.31 | 0.45 | 50 | 65 |
| CP4-001 | 20x20 | 1 | 496x496 | 22 | 0.40 | 0.57 | 50 | 65 |
| CP4-651 | 16x25 | 1 | 394x621 | 22 | 0.40 | 0.57 | 50 | 65 |
| CP4-051 | 20x25 | 1 | 496x621 | 22 | 0.50 | 0.71 | 50 | 65 |
| CP4-041 | 20x24x1 | 1 | 496x595 | 22 | 0.47 | 0.69 | 50 | 65 |
| CP4-441 | 24x24 | 1 | 595x595 | 22 | 0.57 | 0.80 | 50 | 65 |

Standard Capacity 14 Pleats Per Linear Foot - Arrestance 92%; Recommended Final Arrestance 150 Pascals

Carbon Impregnated Fresh Pleat Panel Filters

| 2 Inch/47mm Carbon Fresh Pleats | | | | | | | | |
|---------------------------------|----------------------------|------------------------|-----------------------|-------------------|---------------|------|-----------------------|------|
| Part Number | Nominal Face Size (Inches) | Nominal Depth (Inches) | Actual Face Size (mm) | Actual Depth (mm) | Capacity M3/S | | Resistance in Pascals | |
| | | | | | Standard | High | Standard | High |
| CP4-242 | 12x24 | 2 | 292x595 | 47 | 0.28 | 0.41 | 45 | 70 |
| CP4-702 | 15x20 | 2 | 370x496 | 47 | 0.30 | 0.61 | 45 | 70 |
| CP4-602 | 16x20 | 2 | 394x496 | 47 | 0.31 | 0.45 | 45 | 70 |
| CP4-002 | 20x20 | 2 | 496x496 | 47 | 0.40 | 0.57 | 45 | 70 |
| CP4-652 | 16x25 | 2 | 394x621 | 47 | 0.40 | 0.57 | 45 | 70 |
| CP4-052 | 20x25 | 2 | 496x621 | 47 | 0.50 | 0.71 | 45 | 70 |
| CP4-042 | 20x24 | 2 | 496x595 | 47 | 0.47 | 0.69 | 45 | 70 |
| CP4-442 | 24x24 | 2 | 595x595 | 47 | 0.57 | 0.80 | 45 | 70 |

Standard Capacity 10 Pleats Per Linear Foot - Arrestance 92%; Recommended Final Arrestance 150 Pascals



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| 4 Inch/95mm Carbon Fresh Pleats | | | | | | | | |
|---------------------------------|----------------------------|------------------------|-----------------------|-------------------|---------------|------|-----------------------|------|
| Part Number | Nominal Face Size (Inches) | Nominal Depth (Inches) | Actual Face Size (mm) | Actual Depth (mm) | Capacity M3/S | | Resistance in Pascals | |
| | | | | | Standard | High | Standard | High |
| CP4-244 | 12x24 | 4 | 292x595 | 95 | 0.47 | 0.59 | 60 | 80 |
| CP4-004 | 16x20 | 4 | 394x496 | 95 | 0.52 | 0.66 | 60 | 80 |
| CP4-654 | 20x20 | 4 | 496x496 | 95 | 0.66 | 0.83 | 60 | 80 |
| CP4-054 | 16x25 | 4 | 394x621 | 95 | 0.66 | 0.83 | 60 | 80 |
| CP4-044 | 20x25 | 4 | 496x621 | 95 | 0.83 | 1.04 | 60 | 80 |
| CP4-444 | 20x24 | 4 | 496x595 | 95 | 0.79 | 0.98 | 60 | 80 |
| CP4-442 | 24x24 | 4 | 595x595 | 95 | 0.94 | 1.18 | 60 | 80 |

Standard Capacity 8 Pleats Per Linear Foot - Arrestance 92%; Recommended Final Arrestance 150 Pascals