



## **THE CAP30 PLEATED DISPOSABLE PANEL - G4 TO EN779**

The CAP30 Pleated Panel has been designed to meet with the demands of pre-filtration at low Energy cost. Normal pre-filter products are based on simple materials with moderately low surface areas, this results in high average resistance over the lifetime of the product and consequential high energy usage. By utilising the latest non-woven technologies to produce an engineered filter membrane, as opposed to a random lay poly-cotton fibre, full utilization of the media is achieved; this is further enhanced by an increased surface area of media being presented to the airstream. The result is a low average resistance across the life of the product resulting in lower energy consumption by the air handling equipment and longer life.

**The WFE Energy rating is a guide to the lifetime Energy consumption of the filter, calculated by taking into account the Filter's Initial and average resistance combined with its efficiency & capacity, the LGP Pleated Disposable Panel is the only Pre-filter with a WFE Rating of 'E'**

### **Construction**

The CAP30 Disposable Filter contains a core of pleated non-hygroscopic and hydrophobic fibrous media designed specifically for use in air filtration. The media is manufactured with a graded fibre density to ensure optimum and even dust retention combined with low initial resistance and is thermally bonded onto a galvanised steel support mesh for maximum physical stability. The aerodynamic pack is then fully bonded into a water resistant rigid white beverage board frame and fitted with an airflow indicator.

### **Applications**

The CAP30 Disposable panel is suitable for use as a pre-filter for higher grades of air filtration or for use as a simple filter for general use within air handling systems where the use of glass-fibre is unacceptable and where moisture resistance is a requirement.

### **Range**

The CAP30 is available in a large range of standard sizes in 2" & 4" ( 50 & 100mm) nominal depths and may also be produced in non-standard sizes to suit application requirements. The key attributes of the product are consistent efficiency, robust construction and long life combined with low replacement cost and high energy yield.



**Performance**

Filter Reference	Rated Velocity m/s	WFE Efficiency Rating	Dust Holding Capacity g/m <sup>2</sup>	Efficiency Rating EN779	Max Temp 0c	Max Humidity	Initial Resistance at RV (pa)	Rated Final Resistance (pa)
CA 30-2	2.5	E	5.5	G4	100	80%RH	60	250



**Fully disposable, recycle and be Green we CAIR**

