

## E Cell Filter

Irema manufactures air filters under the Atlantic Air Filter brand or your brand.

The disposable mini-pleat E Cell filter is fabricated using Irema's micro media (pleat) made from 100% polypropylene melt-blown material. Like all Irema air filters, it meets all standards for filtration efficiency and can be produced in custom sizes to your specification.

Our mini-pleat manufacturing technology ensures that each pleated pack provides the maximum filtration surface area fixed in place by hotmelt. It provides low pressure drop due to laminar air-flow through the pack. The mini-pleated media pack is housed in a robust plastic frame.

### Irema air filter benefits

- Customisable, non-standard sizes available quickly
- High quality
- Long-lasting
- Reduced maintenance costs
- Protects your people
- Saves energy
- Reduces the building's environmental impact



### Features

- Optimal separation capacity
- Low pressure drop
- Maximum dust containment
- Long life span
- No chemical binders
- Melt-blown filter material with progressive structure

### Specification

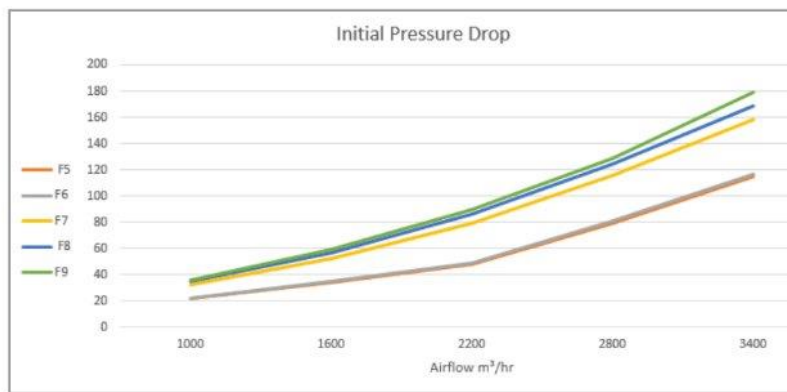
- Plastic frame
- 100% synthetic
- Available in all grades to meet EN779, ISO 16890, ASHRAE
- Pleat heights available: 25mm, 48mm, 98mm
- Standard sizes
  - Large: 592mm x 592mm
  - Medium: 287mm x 592mm
  - Small: 287mm x 287mm

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## Finished filter in house finish test report

Product: E Cell filter  
Size: 592mm x592mm x 48mm



### Applications

- Commercial & public buildings
- Manufacturing & industrial
- Food & beverage
- Life sciences & healthcare
- Data centres
- Power generation

		Grade				
		F5/EPM10	F6/EPM10	F7/EPM10	F8/EPM2.5	F9/EPM1
Air flow		Initial pressure drop				
m3/hr	m3/min	Pa	Pa	Pa	Pa	Pa
1000	16.67	22	22	32	35	36
1600	26.67	34	35	52	57	59
2200	36.67	48	49	79	86	90
2800	46.67	79	81	116	124	129
3400	56.67	115	117	158	169	179
3600	60.00	127	130	180	195	201
4000	66.67	157	160	215	225	232

Tested to EN779 standard. These figures are typical results and do not constitute a specification.

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