

## Pocket Filter

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

Pocket filters are multi-pocket bag filters that are made with Irema's Ultraseal Plus media welded cut pockets. These are ultrasonically welded, cut to size and supported by a corrosion resistant metal or plastic frame. They meet the latest ISO 16890 standards.

Each pocket is ultrasonically welded with 6 rows of internal spacers to allow the pocket to inflate to provide an even airflow distribution. This results in full utilisation of the air filter as well as much reduced initial resistance.

Each separator is welded to the top and bottom layers of the material. The result is a strong seal, capable of withstanding high pressures of over 1000Pa.

The ultra-fine and course micro fibres are designed for optimal particulate capture. They come in a variety of sizes and filtration efficiencies from F5-F9/ePM1-10/MERV5-16 and be custom made to your size specification.

### 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

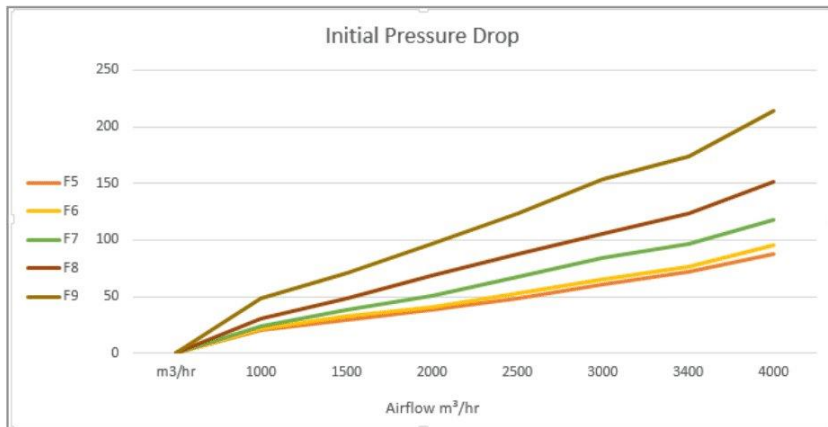
- Optimal separation capacity
- Low pressure drop
- Maximum dust containment
- Long life span
- No chemical binders
- Melt-blown filter media with progressive structure

### Specification

- Plastic or metal frames
- 25mm or 20mm header
- 100% synthetic
- Available in all grades to meet EN779, ISO 16890, ASHRAE
- Pocket depths from 350mm – 650 mm
- Standard sizes: (4/6/8/10 pockets)
  - 592 x 592mm
  - 490 x 490mm
  - 287 x 592mm

## Finished filter in house finish test report

Product: Pocket filter  
Size: 592mm x 592mm x 580mm 8pkt



### Applications

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

Air flow		Grade Initial pressure drop				
m³/hr	m³/min	Pa	Pa	Pa	Pa	Pa
1000	16.67	20	22	24	31	49
1500	25.00	29	33	38	49	71
2000	33.33	38	41	51	69	97
2500	41.67	49	53	67	88	123
3000	50.00	61	65	84	106	154
3400	56.67	72	77	97	123	174
4000	66.67	88	95	118	152	214

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

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