



Air Filters



Air Filters

Irema Ireland offers a range of synthetic air filters that meet international filtration industry standards. Under the Atlantic Air Filters brand, Irema provides air filters to air filter distributors, OEMs and facilities management companies.

All air filters can be provided in a private label version for you to sell pre-made air filters under your brand.

With an increasing demand from customers for high quality, highly efficient and environmentally conscious filters, Irema has launched an innovative, sustainable and biodegradable range of air filters.

Biodegradable and sustainable

Irema provides an innovative, biodegradable range of air filters. They are sustainable, renewable and biodegradable. As with all Irema air filters, this range is compliant with EN, ASHRAE and all international standards.

Outsource your air filter requirements to Irema. Irema provides standard and non-standard sizes made to your specification and packaged in your brand.



Irema's Atlantic Air Filters air filters meet filtration efficiency industry standards. Manufactured using Irema's proprietary melt blown process for non-woven material, they are used in industry sectors including commercial and public buildings, manufacturing and industrial, food & beverage, life science & healthcare and data centres.

Facilities managers and engineers looking for products that will simultaneously improve Indoor-Air Quality (IAQ), maintain HVAC-system cleanliness while reducing energy consumption need look no further.

Features

- Optimal separation capacity
- Low pressure drop
- Maximum dust containment
- Long life span
- Carbon impregnated polyester
- No chemical binders

Irema's polypropylene air filter material does not promote the growth of microbiological organisms or mould and is created without the use of added chemicals.

European Standards

- European Standard for Coarse and Fine Filtration ISO 16890
- EN 779:2002
- EN 779:2012
- HVAC Air Filtration ASHRAE 52.2
- Filtration efficiency ePM 1-10/ F5-F9

Irema's air filters protect building occupants, reduce sickness and reduce energy consumption.

Pocket Filters

Pocket filters are multi-pocket bag filters made with Irema's Ultraseal Plus welded cut pockets. They meet the latest ISO 16890 standards

The filter material construction consists of pockets which are ultrasonically welded, cut to size and supported by a corrosion resistant metal or plastic frame.

Each pocket has 6 rows of internal spacers to enable the pocket to inflate providing even airflow distribution. This results in full use of the air filter as well as reduced initial resistance.

Each separator is welded to the material's top and bottom layers with a strong seal and is capable of withstanding high pressures of over 1000Pa.



■ Features

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

■ Product Specification

- Plastic or metal frames
- 25mm or 20mm header
- Pocket depths from 350mm – 650mm

■ Standard Sizes

- 592 x 592mm
- 490 x 490mm
- 287 x 592mm
- Non-standard sizes also available

■ Pocket 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

The Pocket Filter is also available in a biodegradable and sustainable format.

Biodegradable Pocket

Biodegradable Pocket filters are multi-pocket bag filters made from low carbon and biobased material which is ethically sourced from annually renewable feedstocks.

The filter material construction consists of pockets which are ultrasonically welded, cut to size and supported by a corrosion resistant metal or plastic frame.

Each pocket has 6 rows of internal spacers to enable the pocket to inflate providing even airflow distribution. This results in full use of the air filter as well as reduced initial resistance.

Each separator is welded to the material's top and bottom layers with a strong seal and is capable of withstanding high pressures of over 1000Pa.



■ Features

- Biodegradable, compostable and sustainable
- Optimal separation capacity
- Low pressure drop
- Maximum dust containment
- Long life span
- No chemical binders

■ Product Specification

- Plastic or metal frames
- 25mm or 20mm header
- Pocket depths from 350mm – 650mm

■ Standard Sizes

- 592 x 592mm
- 490 x 490mm
- 287 x 592mm
- Non-standard sizes also available

■ Pocket filter benefits

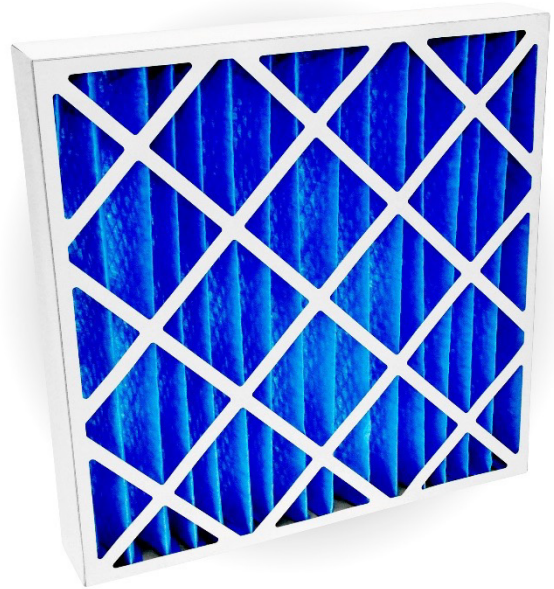
- Sustainable and eco friendly
- Customisable, non-standard sizes available quickly
- High quality and long-lasting
- Reduced maintenance costs
- Protects your people
- Saves energy
- Reduces the building's environmental impact

G4 Frame

The disposable G4 Panel filters use pleated material which is laminated with an expanded metal grid support and housed in a moisture resistant cardboard frame.

The rigid fibre properties of this material ensure optimal separation capacity, maximum dust containment and complete dust particle release prevention, while optimising energy costs.

G4 panel filters are ideal primary filters for air conditioning systems.



■ Features

- Optimal separation capacity
- Low pressure drop
- Maximum dust containment
- Long life span
- Polyester with expanded wire metal support
- No chemical binders

■ Product Specification

- Moisture resistant cardboard frame
- Pleat heights available: 22mm, 48mm, 98mm (1", 2", 4")
- 100% polyester filter material
- Available in G4 grade

■ Standard Sizes

- 592 x 592mm
- 490 x 490mm
- 287 x 592mm
- Non-standard sizes also available

■ G4 Panel 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

Activated Carbon Panel

The disposable Activated Carbon Panel filter is fitted with our activated carbon pleated polyester air filter material.

It is a 155gsm material combination that meets G4 filtration efficiency while the activated carbon enables the material to absorb odours, chemicals and gases. The material is housed in a moisture resistant cardboard frame.

The pleated filters are ideal for air filtration systems where odour removal is required.



■ Features

- Optimal separation capacity
- Low pressure drop
- Maximum dust containment
- Long life span
- Carbon impregnated polyester
- No chemical binders
- Absorbs odours, chemicals and gases

■ Product Specification

- Moisture resistant cardboard frame
- Pleat heights available: 22mm, 48mm, 98mm (1", 2", 4")
- 100% polyester filter material impregnated with activated carbon
- Available in G4 grade

■ Standard Sizes

- 592 x 592mm
- 287 x 592mm
- 287 x 287mm
- Non-standard sizes also available

■ Activated Carbon Panel 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

V Cell Compact

The V Cell Compact filter uses high quality, plastic frames in 4-V arrangement using Irema's micro material (pleat) made from 100% melt blown polypropylene.

The mini-pleat manufacturing technology ensures that each pleated pack provides maximum filtration surface area. This is fixed in place by hotmelt and provides low pressure drop due to laminar airflow through the pack.

The mini-pleated material pack is housed in a robust plastic frame and optimises your energy costs.



■ Features

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

■ Product Specification

- Plastic or metal frames
- 25mm or 20mm header
- 100% synthetic
- Available in all grades to meet EN779, ISO 16890, ASHRAE

■ Standard Sizes

- 592 x 592 x 292mm
- 592 x 287 x 292mm
- Non-standard sizes also available

■ Irema V Cell Compact 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

E Cell

The disposable mini-pleat E Cell filter is fabricated using Irema's micro material (pleat) made from 100% melt blown polypropylene.

Irema's mini-pleat manufacturing technology ensures that each pleated pack provides the maximum filtration surface area fixed in place by hotmelt, providing low pressure drop due to laminar airflow through the pack.

The mini-pleated material pack is housed in a robust plastic frame.



■ Features

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

■ Product Specification

- Plastic frame
- 100% synthetic
- Pleat heights available: 25mm, 48mm, 98mm
- Available in all grades to meet EN779, ISO 16890, ASHRAE

■ Standard Sizes

- 592mm x 592mm
- 287mm x 592mm
- 287mm x 287mm
- Non-standard sizes also available

■ Irema E Cell 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

