

EUROFILTER
Air Filters

A brand of Micro-Mesh Engineering Ltd.

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Product Features

EUROFILTEC
Technology for peak performance in all environments

Precision Pressed Steel End Caps

01

Consistent caps with strength & long life. Galvanized as standard, other finish options available plus Stainless Steel.

End Cap Sealing

02

Provides a continuous seal without any join, this ensures a perfect sealing surface when compared to hand seal which always has a join and a possible leak path.

Corrosion Resistance

03

Different finishes depending on the application & environment.

Product Features

EUROFILTEC
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Cylinder Formation

04

Spot welding, mechanical lock, all edges spot welded flat so no cut risks. Mechanical good for wetter environments to avoid corrosion on the seam and to comply with GE TIL 1571.

Wide Range of Medias

05

Covering all EN779/EN1822 efficiency levels; cellulose/synthetic blends and fully synthetic with & without nano layers.

End Cap Mounting Holes

06

With diameter of 13mm or 30mm nominal standards available.



EUROFILTR

Technology for peak performance in all environments

End Cap Pre Treatment



Offers 60% better polyurethane adhesion than degreasing only.

End Cap Potting



Covering all EN779/EN1822 efficiency levels; cellulose/synthetic blends and fully synthetic with & without nano layers.

Product Features

EUROFILTRE

Technology for peak performance in all environments

Special Pleating Process

09

Roller pleating with pleat lock ensures optimum pleat spacing. Blade pleating ensures consistency on the number of pleats, better for high efficiency medias as the process is more delicate.

Eurolock Pleating Spacing

10

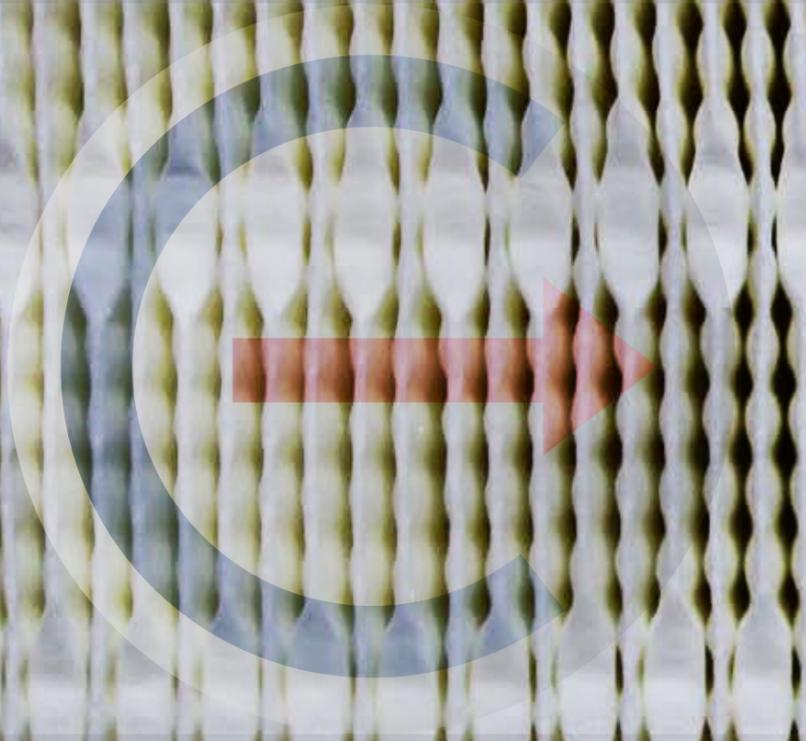
Providing optimum pleat spacing to support pulsing and longer filter life that straight pleats.

Batch Number

11

Every filter has a batch number for full lot traceability.

Product Features



EUROFILTER

Technology for peak performance in all environments.

Media Area

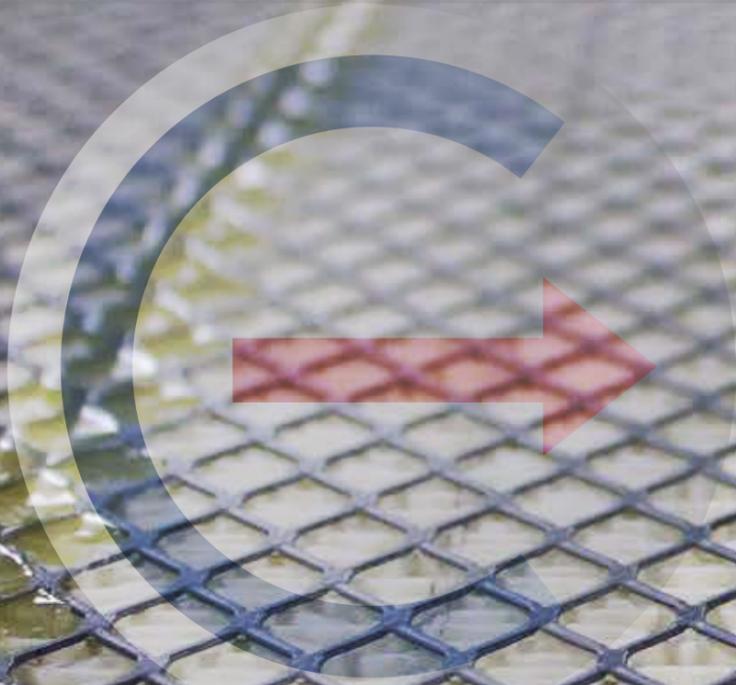
12

Optimum number of pleats, depth of pleats, etc... Some brands reduce cost by removing the number of pleats or reducing their depth.

Media Batch Test

13

Every new batch of media is tested in house for bubble point and air permeability to ensure consistency from batch to batch.



EUROFILTER

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Hot Melt

14

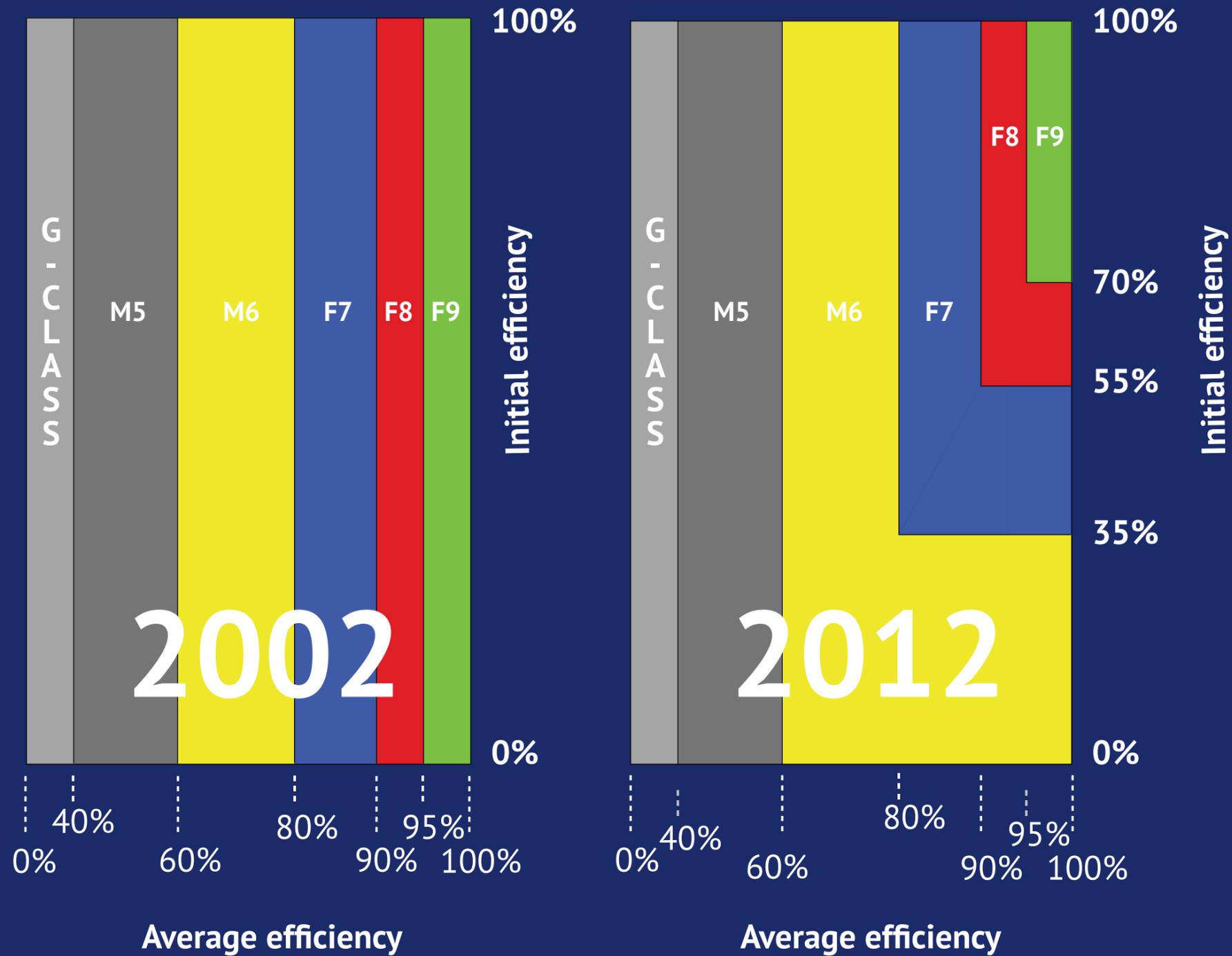
Ensures pleat stability when used in a pulsing system.

Packaging

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Every filter is individually bagged, tie wrapped complete with silica gel to ensure the filters reach the end user in pristine conditions, not contamination, or moisture ingress.

EN 779



EN 779 - UP TO NOW

ISO 16890 - IN THE FUTURE

CLOSENESS TO REALITY

Determining of average efficiency / arrestance after loading with synthetic test dust in at least 5 individual steps

➔ Average of several measurements at 0.4 microns

➔ Distant from reality

1. Measuring fractional efficiencies when new

2. Measuring fractional efficiencies after 24 hours of IPA treatment

3. Calculating average fractional efficiencies

➔ Calculating efficiency ePMX

➔ Equivalent to real performance

FILTER EVALUATION

➔ Exclusively particle size 0.4 μm

➔ Particle size spectrum from 0.3 μm - 10 μm

FILTER PERFORMANCE

Distinction according to filter classes rather than particle filtration performance

Filter performance is determined according to particulate matter fractions PM10, PM2,5 and PM1

➔ No detailed info about particle size

➔ Detailed info about various particle sizes

IN TERMS OF THE APPLICATION

No classification of particulate matter fractions for specific conditions of use

Specific application conditions are taken into account (e.g general air conditioning versus medium-risk hygiene areas)

➔ Filters chosen without regard to application

➔ Application is taken into account when choosing a filter