



HICAP FILTERS



DRYSEAL FILTERS

## HEPA Filters



# HEPA-filters

HEPA filters remove unwanted contaminants such as dust particles, bacteria or odours from air that is drawn in. Resulting in clean air that is safe for humans, products, processes and the environment.

## MPPS

A HEPA filter must comply with NEN-EN 1822. This is tested in accordance with "MPPS", which means "Most Penetrating Particle Size", or in other words: "The particle that moves through the HEPA filter the easiest." Such a particle is between 0.12 and 0.24 micron, depending on air speed. Particles that are bigger or smaller are captured with a better degree of filtration.

## Quality

- ☑ Dehaco's HEPA filters are fully developed and produced in the Netherlands and meet the highest quality requirements.
  - ☑ Fiatec tested the design and performance and approved them in accordance with EN1822 / ISO 29463.
  - ☑ Are you looking for a replacement for your HEPA filter? If so, always make sure you place back a filter with the same quality, that is suitable for the machine or room where it will be installed!
  - ☑ Efficiency determined on MPPS
- If so, always make sure you place back a filter with the same quality, that is suitable for the machine or room where it will be installed!

## Industries

HEPA filters are mostly used in the following industries:

### Cleanroom



A cleanroom is a controlled environment in which products are made and where the concentration of airborne particles is kept within established limits. The degree in which these particles should be removed depends on the required standards. Management of the entire environment is the only way to keep contamination under control. Dehaco provides professional advice about air filter solutions for cleanrooms.

### Hospital



Improved air quality in hospitals, clinics and other health care environments is an essential part of modern air hygiene procedures. Management of micro-organisms in the air (such as bacteria, viruses, mould spores) is of great importance in medical environments, as many diseases and infections can be transferred through pathogens in the air. The air filter products of Dehaco ensure a healthier and more comfortable environment for patients, staff and visitors.

### Commercial & Industrial



Processes and people in large commercial and industrial facilities are all in varying degrees sensitive to fine particles. Research has shown that contaminant levels in indoor air are two to five times higher than those in outdoor air. Contaminants in indoor air, moreover, are in the top five of environmental risks to public health. Dehaco's energy-efficient industrial high-efficiency filters ensure a better balance and drastically reduce the number of contaminants entering your facility.

### Remediation industry



Dehaco produces a complete line of air movers and filters for the removal of asbestos, chromium-6 and ceramic fibres. By creating vacuum in closed work areas and changing air, fibre emission is kept under control. During annual maintenance, it is of great importance that filters are replaced by high quality adequate filters in order to guarantee safety. Observe the strong recommendation in the manual and replace HEPA filters by Dehaco HEPA filters that can be supplied from stock.

# HICAP

## Application

Micro-electronics, pharmaceuticals, medical equipment, hospitals and nuclear applications

## Type

EPA, HEPA

## Material

Water-tight micro glass fibres

## Seal

Half round, 2 component polyurethane, one-piece seal

## Separation

Thermoplastic hot melt

## Frame

Galvanised or stainless steel  
Filter category  
E11-E12, H13-H14

## Nominal air flow (m/s)

1.50 - 3.00 m/s

## Air volume m3/h

Up to 5000 m3/h

## Initial pressure loss (Pa)

200 - 380 Pa

## Temperature (max)

70°C at continuous operation

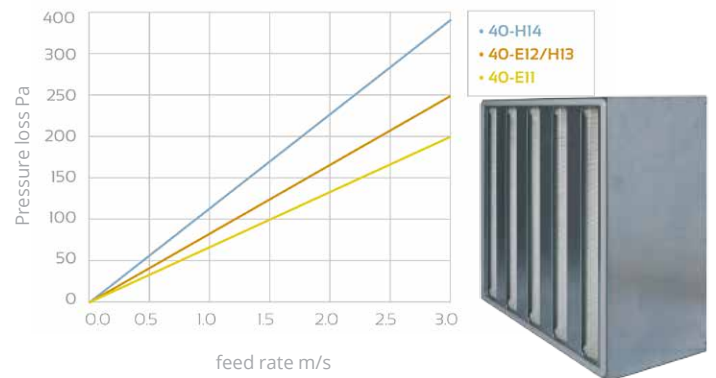
## Filter standard

EN1822;2010



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## Pressure loss vs. feed rate



# DRYSEAL

## Application

Clean room supply and discharge air, clean bench filters

## Type

EPA-HEPA and ULPA panel with a seamless seal for mechanical clamping

## Material

Water-tight micro glass fibres

## Seal

2 component polyurethane, seamless one-piece seal

## Separation

Thermoplastic hot melt

## Frame

Extruded anodised aluminium

## Filter category

E11-U17

## Nominal air flow (m/s)

0.45 m/s

## Air volume m3/h

Up to 2700 m3/h

## Initial pressure loss (Pa)

70 - 165 Pa

## Temperature (max)

70°C at continuous operation

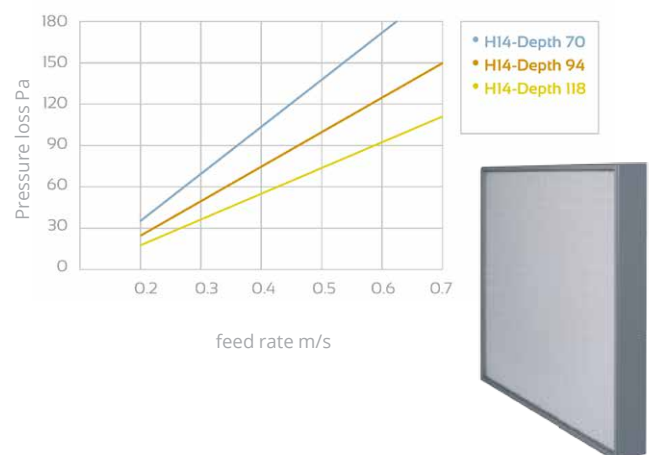
## Filter standard

EN1822;2010



DRYSEAL FILTERS

## Pressure loss vs. feed rate



# Range

The following products in our range are always in stock.

Filters with a different size, category or capacity are available upon request!

Item No.	Description	Design	Efficiency (%)	Pressure (Pa)	Air speed (m/s)
5425.0178	Hepa filter category H14 284x284x150mm up to 500m <sup>3</sup> /h	Package	99,995	475	1,72
5425.0083	Hepa filter category H13 305x305x069mm up to 500m <sup>3</sup> /h	Package	99,95	575	1,50
5430.0144	Hepa filter category H13 305x305x069mm up to 500m <sup>3</sup> /h	Package	99,95	575	1,50
5425.0084	Hepa filter category H13 305x305x117mm up to 700m <sup>3</sup> /h	Package	99,95	415	2,10
5430.0083	Hepa filter category H13 305x305x149mm up to 800m <sup>3</sup> /h	Package	99,95	400	2,40
5425.0179	Hepa filter category H13 305x305x292mm up to 1.440m <sup>3</sup> /h	HiCap	99,95	775	4,40
5425.0078	Hepa filter category H13 380x380x292mm up to 2.000m <sup>3</sup> /h	HiCap	99,95	300	3,85
5430.0021	Hepa filter category H13 610x305x292mm up to 3.050m <sup>3</sup> /h	HiCap	99,95	450	2,25
5425.0080	Hepa filter category H13 610x610x292mm up to 5.000m <sup>3</sup> /h	HiCap	99,95	375	3,75
5425.0081	Hepa filter category H13 610x610x292mm up to 7.500m <sup>3</sup> /h	HiCap	99,95	850	5,60
5430.0033	Hepa filter category H13 910x610x292mm up to 6.000m <sup>3</sup> /h	HiCap	99,95	275	2,90
5425.0233	Hepa filter category H13 910x610x400mm up to 10.000m <sup>3</sup> /h	HiCap	99,95	385	5,00

## Dehaco Products



  
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[WWW.DEHACO.NL](http://WWW.DEHACO.NL)

EN/HEPA Filters/2024-04