

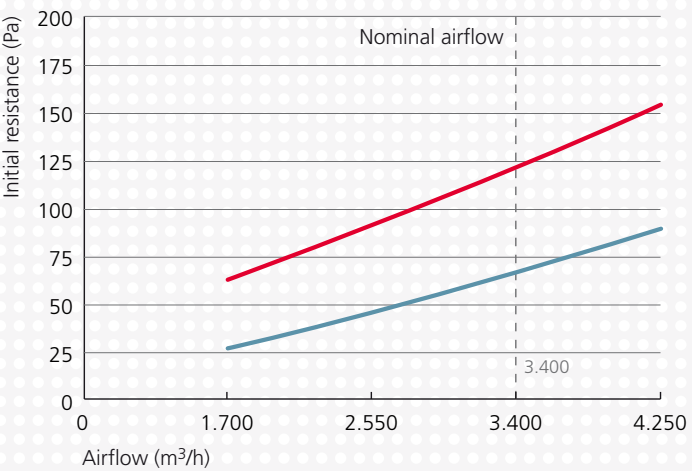
DriPak® NX

| Standard configuration |                                      |          |                                                                  |
|------------------------|--------------------------------------|----------|------------------------------------------------------------------|
| Filter medium          |                                      | Header   |                                                                  |
| Material               | Highly efficient synthetic, stitched | Material | Galvanized steel of Polystyrene plastic                          |
| Pocket design          | Double tapered, AAF design           | Depth    | Galvanized steel in 20 of 25 mm,<br>Polystyrene plastic in 25 mm |
| Gasket                 |                                      |          |                                                                  |
| Material               | Optional: EPDM (flat gasket)         |          |                                                                  |

| Performance     |     |     |                   |                 |      |                            |     |                         |     |                           |    |              |    |                               |      |
|-----------------|-----|-----|-------------------|-----------------|------|----------------------------|-----|-------------------------|-----|---------------------------|----|--------------|----|-------------------------------|------|
| Dimensions (mm) |     |     | Number of pockets | Nominal airflow |      | Filter medium surface (m²) |     | Initial resistance (Pa) |     | Minimum Efficiency (ME) % |    | Energy class |    | Energy consumption (kWh/year) |      |
| W               | H   | D   |                   | m³/h            | m³/s | F7                         | F9  | F7                      | F9  | F7                        | F9 | F7           | F9 | F7                            | F9   |
| 592             | 592 | 640 | 10                | 3400            | 0,94 | 7,9                        | 7,9 | 65                      | 120 | 40                        | 80 | A            | A  | 790                           | 1450 |
| 490             | 592 | 640 | 8                 | 2720            | 0,76 | 6,3                        | 6,3 | 65                      | 120 | 40                        | 80 | A            | A  |                               |      |
| 287             | 592 | 640 | 5                 | 1700            | 0,47 | 3,9                        | 3,9 | 65                      | 120 | 40                        | 80 | A            | A  |                               |      |
| 592             | 592 | 510 | 8                 | 2185            | 0,75 | 5,1                        | 5,1 | 65                      | 120 | 40                        | 80 | A            | A  |                               |      |
| 490             | 592 | 510 | 6                 | 1678            | 0,64 | 3,9                        | 3,9 | 65                      | 120 | 40                        | 80 | A            | A  |                               |      |
| 287             | 592 | 510 | 4                 | 1093            | 0,38 | 2,5                        | 2,5 | 65                      | 120 | 40                        | 80 | A            | A  |                               |      |
| 592             | 592 | 390 | 8                 | 1671            | 0,75 | 3,9                        | 3,9 | 65                      | 120 | 40                        | 80 | A            | A  |                               |      |
| 490             | 592 | 390 | 6                 | 1284            | 0,64 | 3,0                        | 3,0 | 65                      | 120 | 40                        | 80 | A            | A  |                               |      |
| 287             | 592 | 390 | 4                 | 835             | 0,38 | 1,9                        | 1,9 | 65                      | 120 | 40                        | 80 | A            | A  |                               |      |

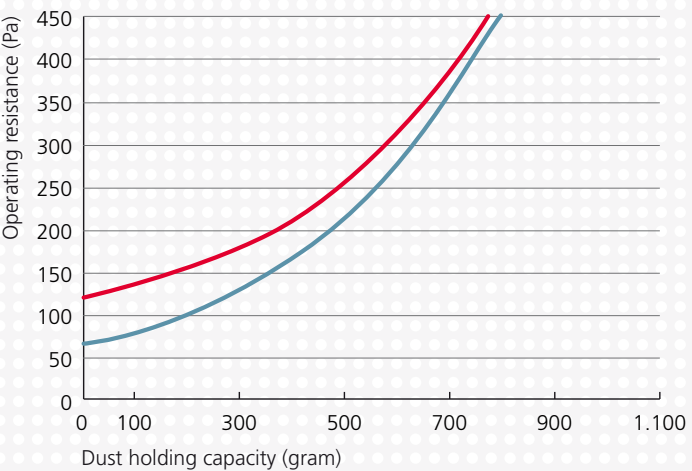
All performance data are based on EN779:2012. Reported values for energy class and annual energy consumption are based on Eurovent guideline 4/11. Recommended final resistance is subject to optimisation of lifecycle costs, be it maximum 450 Pa (as used for classification purposes). Filters can be operated at 75% to 125% of the nominal face velocity. The various DriPak® NX sizes fit into frame sizes 610 x 610, 508 x 610 and 305 x 610 mm. Maximum operating temperature is 70°C (continuous)

Airflow versus operating resistance



DriPak® NX - 10 pockets, 640 mm depth, F9  
DriPak® NX - 10 pockets, 640 mm depth, F7

Dust holding capacity versus operating resistance



DriPak® NX - 10 pockets, 640 mm depth, F9  
DriPak® NX - 10 pockets, 640 mm depth, F7



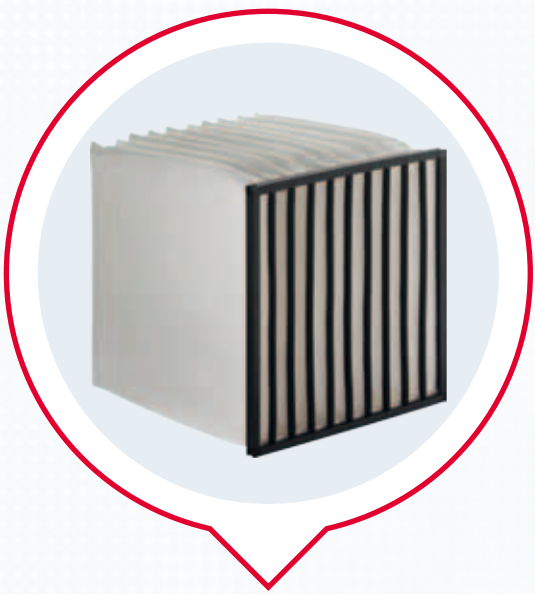
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NEW



DriPak® NX

Pocket filter made from new highly efficient synthetic media in innovative design



Cleaner air,  
better performance

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# Cleaner air, better performance

Cleaner air and better performance – that is what the newest generation of AAF air filters represent. The pocket filters, which go all the way up to F9 classification, guarantee the highest indoor air quality for offices, schools, shopping centres, airports or cleanrooms, for example.

Moreover, DriPak® filters consume less energy. This is important because, on average, air filters are responsible for 25% of the total energy consumption of an air handling system. With DriPak® filters in your air handling system the energy efficiency of your building will increase immediately.

## Design

AAF's research and development team produced an innovative design that is not available elsewhere. The specially designed double tapered pockets of DriPak® pocket filters guide the air with a continuous velocity through the filter. The result is permanent high-quality air. Moreover, the design results in more uniform use of the filter surface, trapping more dust and increasing the lifetime of the filter.

## Three variants of pocket filters

With the three variants of DriPak® pocket filters and the various configurations, AAF provides a ready-made solution for all your air quality challenges. DriPak® SX, DriPak® GX and DriPak® NX offer distinct variations in terms of material, pressure drop and mode of operation. AAF will gladly offer advice as to which type of filter best suits your situation and wishes.

## Top performance of DriPak® NX

DriPak® NX, made from new highly efficient synthetic material, belongs to the highest segment of pocket filters. This premium product meets the requirements of the new EN779:2012 standard and carries dark-green A-labels based on Eurovent Energy Efficiency Classification. In other words, with AAF as partner, you can deliver top performance with regard to indoor air quality, the environment and the Total Cost of Ownership.

## Features and benefits

- Innovative design with stable, specially designed double tapered pockets for optimum air flow
- Exceptionally low pressure drop; extremely low energy use
- F9 classification according to EN779:2012
- Higher dust holding capacity increases lifetime
- Easy installation due to lightweight frame
- Totally combustible, limited environmental impact

## Applications

- Intended for commercial, industrial and institutional applications
- Pre- or final filtration in the general air handling units
- Pre-filtration for critical cleanroom applications
- Upgrading of existing air filtration systems for better indoor climate



## Consistent air quality

The health, comfort and productivity of building users often depend on indoor air quality. Sick building syndrome, characterised by queasiness, headaches and loss of concentration, can be prevented. The first step is to install good air filters. Not only is consistent air quality good for the building users, it also affects the success of critical processes, such as production under cleanroom conditions.

## Tested and proven

As a manufacturer of Eurovent-certified air filters, AAF is the leading partner for clean air. Our DriPak® filters deliver the air quality that your organisation needs to perform at the highest level. DriPak® NX is available in filter classes F7 and F9. Based on EN779:2012, this performance has been independently tested and proven. Thanks to its mechanical filtration properties, DriPak® NX even performs 10% above the minimum efficiency requirement (ME). This is because performance does not depend on an electrostatic charge, resulting in an excellent result after discharging.

## Innovative design

The high filtration efficiency of DriPak® NX is a direct consequence of the optimised airflow through the stable, specially designed double tapered pockets. The high filtration efficiency prevents pollution in the air handling unit. Dust in the air ducts and ventilators is limited, meaning cleaner air and optimum performance. The design of the DriPak® series also paid attention to 'invisible hygiene'. The stable, double tapered pockets do not touch the ground, whereby bacterially contaminated condensation often present in the air handling unit is not absorbed.



## Environmental savings

Fans in air handling units on average account for 40% of the total energy consumption of buildings. In turn, the air filters in the air handling systems are responsible for some 25% of their energy demand. When you choose the energy-efficient DriPak® NX, there is an immediate, sizeable reduction in environmental impact. The annual savings quickly amounts to 500 kWh.

## The dark-green A-label

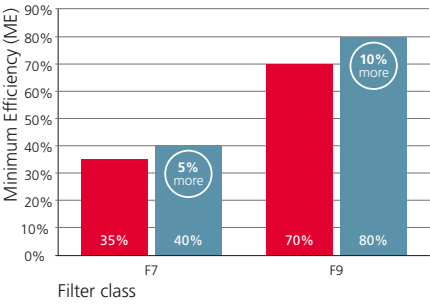
DriPak® NX has classification 'A' based on the new Eurovent Energy Efficiency Classification. AAF is proud to announce that DriPak® NX is not an ordinary A-label, but a dark-green A-label filter. This is because DriPak® NX performs 35% better than the A-label limit value established by Eurovent.

## Improved dust distribution, lower energy demand

DriPak® NX owes its unusually low energy use to its innovative design with stable pockets and optimum geometry, which results in improved dust distribution for increased dust holding capacity. The pressure drop increases very gradually during the lifetime, which results in significantly less energy demand.

The low energy consumption and related reduced CO2 emission contribute to a better environment. Moreover, with its lightweight plastic frame, the filter is totally combustible. With combustion there is a release of energy and heat that, with the aid of modern technology, can be used to heat a building, for example. The high dust holding capacity of DriPak® NX results in longer lifetime, which means less waste through replacement.

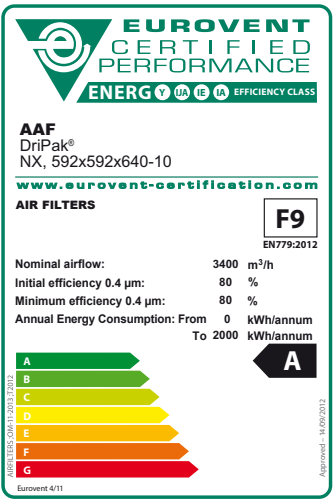
## Excellent filtration efficiency of DriPak® NX



ME-requirements EN779:2012  
Actual ME-performance DriPak® NX



Scan this QR-code for more information about EN779:2012 and Eurovent Energy Efficiency Classification.



Scan this QR-code for downloading the DriPak® NX energy labels.



## Beneficial Total Cost of Ownership (TCO)

With the purchase of filters, along with the initial investment, one should also look at the costs during the entire lifecycle.

Only then does one get a realistic picture of the TCO. During its lifecycle an air filter's energy consumption accounts for as much as 80% of the total cost. On the other hand, the energy demand of the DriPak® NX is extremely low, which significantly lowers the TCO. It should therefore come as no surprise that this filter scored better than the limit value that Eurovent established for the A-label. Compared to other A-label filters, this could save 55 euro per air filter. For an average hospital, this could easily represent an annual savings of several tens of thousands of euros.



## Efficiency leads to cost savings

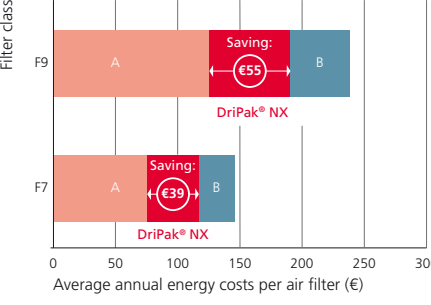
Because of the innovative design with stable, double tapered pockets, the DriPak® NX has a very high dust holding capacity, through which the lifetime is longer. This translates into fewer filter replacements per year with less frequent replacement work. And when the filters have to be changed – thanks to the lightweight frame and stable filter material that prevents the pockets from sagging – this can be done faster than with other filters. This type of efficiency also results in cost savings.

## Advice from the AAF Technical Support Group

Research has shown that, when upgrading an existing air filtration system with more efficient filters, the financial benefits exceed the additional costs of these more efficient filters. These benefits are the result of the improved health and productivity of people from the resulting improvement in indoor air quality.

AAF's new generation DriPak® pocket filter is available up to and including filter class F9, independently tested and proven. The DriPak® filters are therefore very suitable for upgrading existing installations to achieve a better indoor climate. Combined with very low energy consumption, this results in lower lifecycle costs.

## Significant energy cost savings with DriPak® NX



Class limit A-label  
Class limit B-label

Reported values for annual energy costs are based on the average kWh price within the European Union and are indicative only. The energy costs in practice will always be dependent on several situation related factors.

## AAF, your partner

- Extensive expertise and dedicated technical support
- Always the most suitable solution based on the full, versatile range of air filter products and services
- Innovative designs through continuous focus on research and development
- Logistics: the right answer at the right time and the right place
- Optimum filtration performance, guaranteed with Eurovent certification
- Europe-wide distribution network