

PC 26
Air Filters



Offshore
AERONMOLLIER

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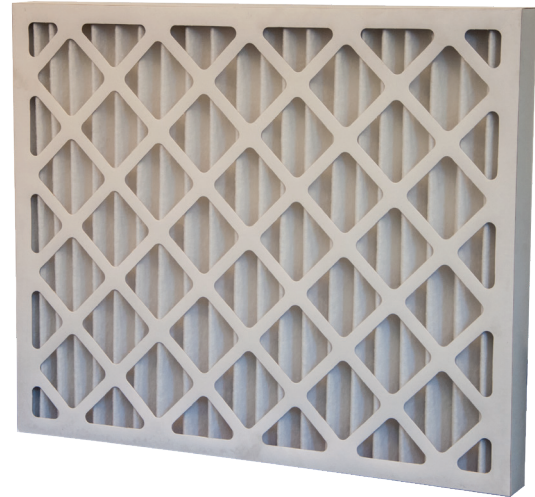
Panel filters are available in the classes G2 to H14 with frames made of cardboard, plastic, sheet metal and wood. We have 7 different pleating machines which can pleat 9–280 mm deep pleats with or without thermoplastic separators. We also manufacture high temperature filters with glass fibre materials that can be pleated with metal mesh.

Coarse filters:

Dinair manufactures coarse filters in the classes G2-G4 with flat or pleated filter media. The filter is usually manufactured in a cardboard cassette, but is also available with sheet metal or plastic frames.

Fine filters:

Dinair manufactures fine filters in the classes M5-F9 with pleated filter media, with or without adhesive separators. These are available with pleat depths from 9 to 280 mm. Filters are manufactured with cardboard, sheet metal or wooden frames. Papp, sheet metal and wooden frames are available in all depths, whereas plastic frames are available with 24, 48, 96, 120, 150 and 292 mm frame depths.



Media: Polyester G4

Frame: Cardboard

Recommended final pressure drop: 200 Pa

Temperature: 70°C

Standard dimensions

Description	width	height	depth	Surface m ²	m ³ /h
Z-line G4	595	292	47	0,7	1500
Z-line G4	595	595	47	1,4	3200
Z-line G4	497	497	47	0,9	2200
Z-line G4	497	396	47	0,7	

Pre and Coarse Filtration Barrier to the air intake systems in general ventilation and air handling systems

- UL Class 1 and self extinguishing according DIN 53438-F1
- 100% Synthetic

DESCRIPTION

Filtrair G3 HVAC media VNF-290 are designed for coarse filtration of the air intake in general ventilation and air handling systems installed in public buildings, offices, factories and equipment of all kinds. The products are suited for high air volume applications which are heavily contaminated. The Filtrair G3 HVAC media combine a high dust holding capacity with a low pressure drop and are therefore extremely cost effective with a long filter life.

Synthetic fiber-based filter media developed and produced at Filtrair high-tech media plant based in The Netherlands. The filter media are constructed from selected high performance, non-breakable fibers in a progressive density multi-layering technique to ensure high depth loading with optimal lowest pressure drop performance, to achieve gravimetric arrestance in accordance with EN 779:2002 standard ratings.

VNF-290 are thermally bonded to prevent fiber release. The clean air sides can be imprinted for easy identification to ensure the correct installation in pad, roll or pocket format.

FLAMMABILITY RATINGS

Filtrair VNF-290/PSF-200 conform to German fire classification standards (DIN 53438-F1) and are self-extinguishing. They are resistant to evaporated solvents and are produced in a 100% silicone-free environment.

FEATURES AND BENEFITS

Filtrair VNF-290 are specially designed to be used in:

- general air handling units
- air conditioning systems
- ventilation systems of all kinds
- air intake pre-filtration banks
- house hold applications
- railroad car ventilation
- intake and exhaust air systems for heavy industry and chemical plants

SPECIALTY PRODUCTS

Filtrair can offer other G3 specialty products upon request. These products will cover fire rating standards according NF-P92-503/504, wash ability requirements and any other special purpose. Technical data are available upon request.

FILTRAIR G3 HVAC MEDIA

VNF-290

DRIPAK M5-F9

(recommended for ODA 2-3 environments)

Performance Data – VNF-290

Rated Air Flow (m3/h/m2)	5.400
Rated Air Flow Velocity	1,5 m/sec
Initial Resistance	35 Pa
Final Resistance	250 Pa
Average Arrestance	86%
Dust holding capacity	620 g/m ²
Filter Class acc. EN 779:2002	G3

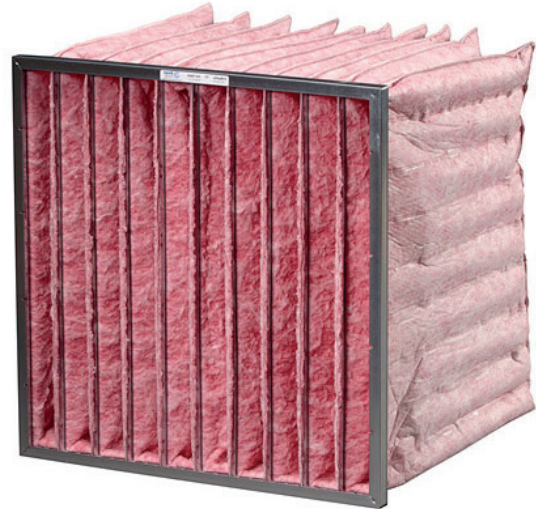
Application Parameters– VNF-290

Temperature Resistance	Up to 100°C
Temp. short peaks	Up to 120°C
Nominal thickness	20 mm +/- 3
Relative humidity	100%
Roll sizes standard	2 m x 20 m 1 m x 20 m
Regenerable / washable	yes

DRIPAK M5-F9

(recommended for ODA 2-3 environments)

DRIPAK is an energy efficient supply air filter with a very high performance and wide application spectrum. The filter's dimensions can be customized to all commonplace frame dimensions and depths. As a standard, pocket filters are sewn in "high loft" glass microfibers which are laminated on a protective micro tissue. The selected filter media gives MaxFlo successively increasing filtration efficiency during the filter's lifespan and is especially suited for air intakes in heavily trafficked urban environments ODA2-3. The filter is long-term field evaluated and P-marked by SP, the Swedish National Testing and Research Institute. Filter classes: M5-F9 acc. ISO 16890.



DINPAK G4 / REFILL

DinPak G2-G4 is a well-proven exhaust air filter that protects ventilation units' sensitive parts and components in many tough environments. The filter comes in all special sizes currently available on the market and has filter pocket bags made from Dinair's in-house developed progressive, deep-extraction filter media now with 10% PLA. Standardized tests show that the filter can accumulate over 1,000g of dust per module and filtrate over 90% weight of the relevant test dust. The standard filter is delivered with a one-way frame in sheet metal, plastic or wood. In the refill execution, the frame can be reused.

