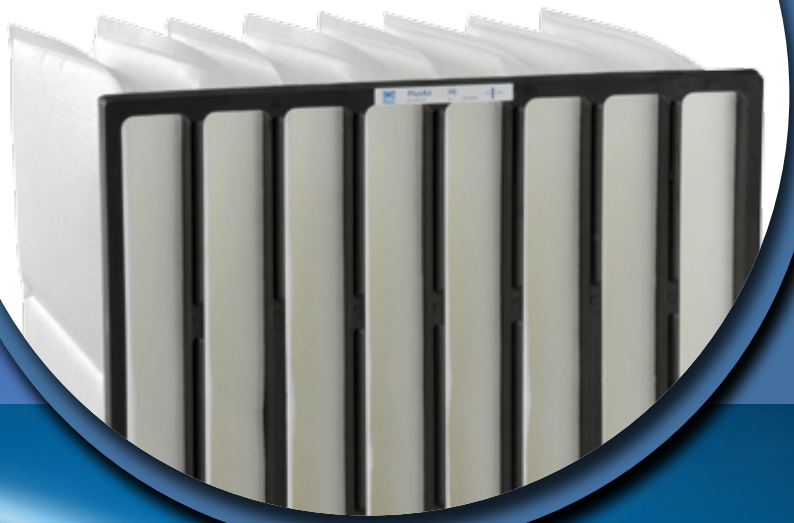

PLUSAIR SERIES

- **Cost Efficient Air Filtration**
- **Low Pressure Drop Design**
- **100% Synthetic Media**
- **High Dirt Holding Capacity** provides extended life
- **Termal Pocket Construction** for high burst strength and ensures no contaminant bypass through stitched holes

DESCRIPTION

Filtrair PlusAir Pocket Filters have been specially developed to guarantee clean air in diverse applications. The PlusAir Pocket Filters can be used in Air Handling units for buildings, schools, Automotive plants, Gas turbines and rotary equipment.

The Filtrair PlusAir is available in filter classes EN779: G4 – F5 – F6 and F7.
Filtrair PlusAir filters are manufactured at Filtrair's own high-tech media plant. The filter medium is constructed from selected high performance fibers in a progressive density, dual and triple multi-layering technique to ensure high depth loading with optimal lowest pressure drop performance. This results in long filter life, high fractional efficiency, relatively high dust loading, and low energy and maintenance costs.

Filtrair PlusAir filters are 100% synthetic, corrosion free and humidity-resistant products. They conform to all European Union and U.S. fire classifications (e.g. DIN 53438-F1 and UL 900-2). The pocket medium is semi rigid, with a welded rib construction to form a pocket with the highest possible functional security in even the most extreme air pressure and high dust environments. The leak-free construction and the embedded medium in a stable reinforced plastic front-header guarantee the highest performance in most environments.

Filtrair PlusAir pocket filters are metal free and therefore do not corrode. They can be incinerated and withstand 100% humidity environments with ease.

Consistent quality is ensured by independent quality control according to EN-779:2011

FEATURES AND BENEFITS

- **MOLDED HEADER** does not corrode and can be incinerated.
- **RIGID DESIGN AND SYNTHETIC CONSTRUCTION,** allows pockets to withstand 100% humidity environments.
- **VERY LOW RESISTANCE** results in greatly reduced operating costs.
- **HIGH DUST HOLDING CAPACITY** and low pressure drop make the PlusAir Pocket Filters an excellent pre filter.
- **UL 900 CLASS** - conforms to US fire classifications
- **LOW PRESSURE DROP DESIGN** greatly reduces operating costs
  - No glass fiber breakage and shedding
  - Self-extinguishing to DIN 53438, fire class F1

APPLICATIONS

Filtrair's PlusAir Pocket Filters are designed for use as final filters in general ventilation and air conditioning equipment installed in offices, shopping centers, theatres, hotels, industrial plants, food processing plants and laboratories.
They are also used as a pre-filter in the air supply units for car paint spray cabins, electrical equipment, electric motors, and superfine and absolute (HEPA) filtration systems.

Filtrair®

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PLUSAIR SERIES

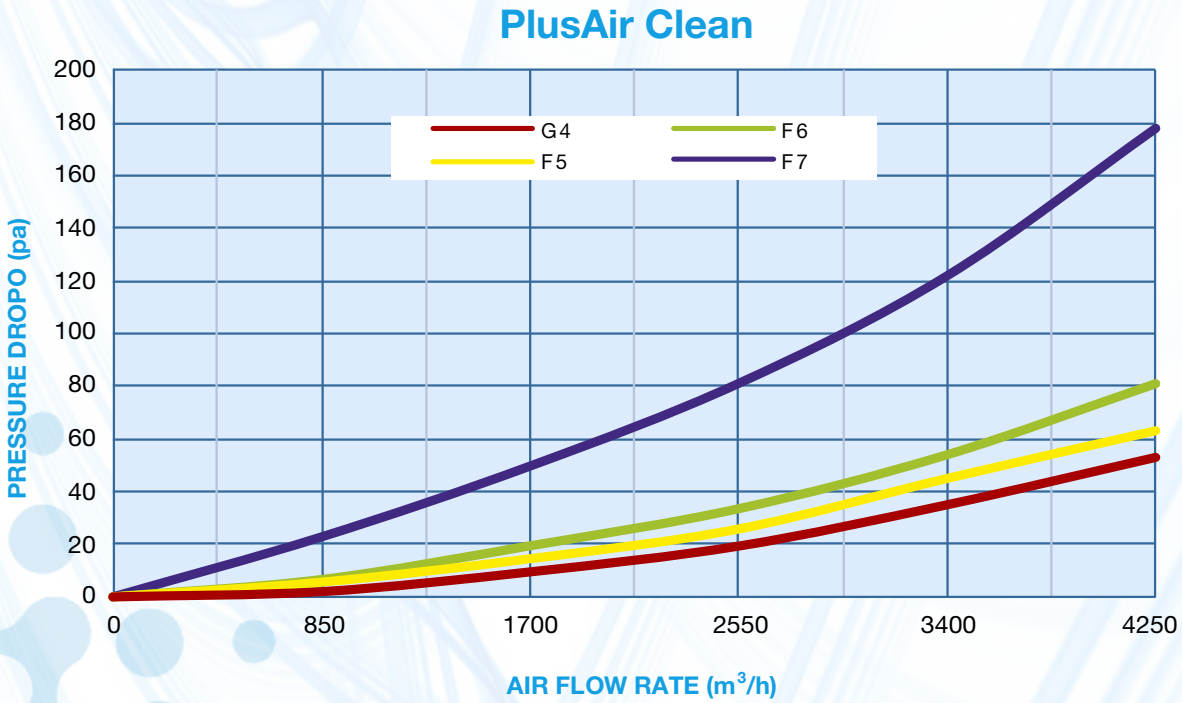
TYPICAL PERFORMANCE DATA OF ASSEMBLED PLUSAIR POCKETS

Product		PlusAir G4	PlusAir F5	PlusAir F6	PlusAir F7
Typical filter header face dimensions	mm	595x595	595x595	595x595	595x595
Depth	mm	600	600	600	600
Number of Pockets		6	6	8	8
Filter Media Area	m^2	4,2	4,2	5,6	5,6
Temperature Resistance	°C	70	70	70	70

Product		PlusAir G4	PlusAir F5	PlusAir F6	PlusAir F7
Filter class acc. EN779:2002		G4	F5	F6	F7
Rated Air flow	m^3/h	3400	3400	3400	3400
Rated Air Flow Velocity	m/s	2,7	2,7	2,7	2,7
Filter Media Area	m^2	4,2	4,2	5,6	5,6
Initial Resistance	Pa	35	45	54	122
Final Resistance	Pa	250	450	450	450
Average Efficiency @ 0,4 µm*	%	n.a.	43	63	83
Average Arrestance (%)	%	92	95	98	99
Dust holding capacity (Ashrae dust))	g/unit	1100	1000	950	250

* test aerosol DEHS according EN779:2011

PRESSURE DROP vs AIR FLOW RATE



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PlusAir-Rigid-Pocket-124001039-V1