



Workhorse applications

Main air filter unit for general ventilation and air conditioning equipment installed in offices, shopping centers, schools, theatres, industrial plants, laboratories etc. Also as pre-filter in supply air units for car paint spray cabins as well as protective pre-filter for electrical equipment, electric motors and fine- and super-fine filtration systems.

Media

A synthetic fiber-based pocket filter developed and manufactured at Filtrair's own high-tech media plant. The filter medium is constructed from selected high performance fibers in a progressive density multi-layering technique to ensure high-depth loading with optimal lowest pressure drop performance. This results in long filter usage, extremely high dust loading and low energy and maintenance costs.

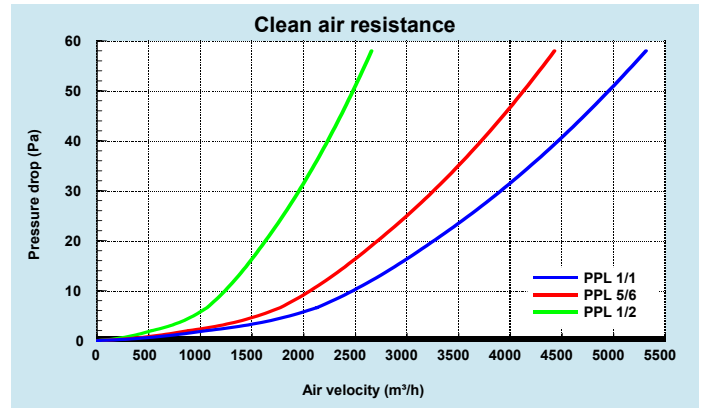
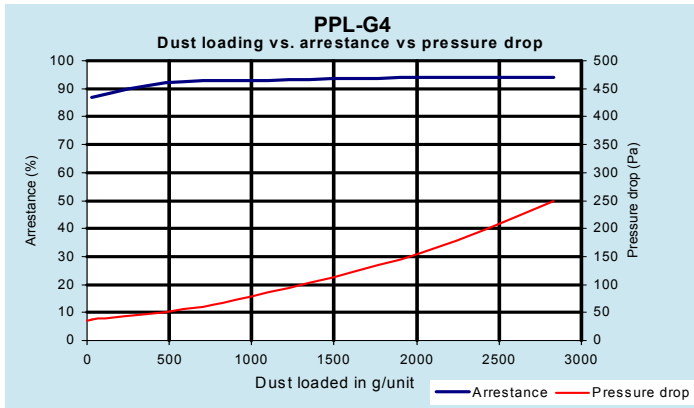
The PPL-G4 is a 100% synthetic, corrosion-free and humidity-resistant product. It conforms to all European Union

and U.S. fire classifications (e.g. DIN 53438-F1 and UL 900-2). The pocket medium is inherently rigid, with a welded rib construction to form a pocket with the highest possible functional security in even the most brutal air pressure and high dust-laden environments. The leak-free construction, the incorporated aerodynamic spacers and the embedded medium in a form-stable reinforced plastic front-header guarantee highest performance in most environments.

Filtrair inherently rigid pocket filters are metal free and thus do not corrode, can be incinerated and withstand 100% humidity environments with ease.

Constant quality is ensured by independent quality control according to EN-779, ANSI/ASHRAE 52.1 and the individual DIN control registration number, which is imprinted on each unit, with the G4 classification and the Filtrair logo and brand name.

Filtration technical performance characteristics (according to EN 779, ANSI/ASHRAE 52.1-1992)



Avg. arrestance (acc. EN 779)	92%
Initial efficiency (dust spot)	<20%
Air velocity	3,2 m/s
Rated air flow	4250 m³/h
Initial pressure drop	36 Pa
Final pressure drop at test	250 Pa
Dust holding at tested final	2600 g/unit

Technical data

PPL-G4		1/1	5/6	1/2	1/4
Fronthead	mm	595 x 595	493 x 595	289 x 595	289 x 289
Depth of pocket	mm	600	600	600	600
No. of pockets		6	5	3	4
Net effective	m²	4.2	3.5	2.1	1.5
Weight	kg	2.6	2.2	1.3	0.7
Fitting for	mm	610 x 610	508 x 610	305 x 610	305 x 305
Temp. resistance	°C	70	70	70	70
Short peaks	°C	90	90	90	90

Application specialty

Expertly suited for:

- high volume air handling units with large industrial atmospheric and also seasonal in-organic dust concentrations.
- installations where guaranteed functional security is a must, even in high humidity conditions.

Most often installed in air handling units for:

- heavy- and metal industry
- chemical plants
- public arenas
- pharmaceutical and food industry
- optical and electronic industry
- gas turbo and co-generation utility plants
- manufacturing plants of all kinds
- paint spray plants
- pre-filtration and recycling of exhaust air.

All data given are average indicative values with usual accepted tolerances due to manufacturing variations and inherent testing tolerances. All specific performance data will require our explicit written confirmation.

Filtrair® is the registered trade mark of Filtrair bv.



Filtrair bv
De Werf 16, 8447 GE Heerenveen
P.O. Box 611, 8440 AP Heerenveen
The Netherlands

Tel. *31 (0) 513-626355
Fax *31 (0) 513-627306
E-mail: marketing@filtrair.com
www.filtrair.com

