



PEPLYN AIR Filter Cartridges

- air / gas filters
- meltblown polypropylene

PEPLYN AIR filter cartridges have been specifically designed to guarantee removal of particulate from gas streams.

They can be used to protect sterilising grade filters in pressurised systems or in exhaust gas vent applications.

PEPLYN AIR is particularly suitable for:

- Inlet gas in the fermentation industry as protection to sterilising grade filters where polypropylene media is preferred
- As protection to sterilising grade filters in exhaust gas systems
- Vent applications
- Systems where high particulate loading is expected
- PEPLYN AIR has the ability to be steam sterilised and has a broad range of chemical compatibility

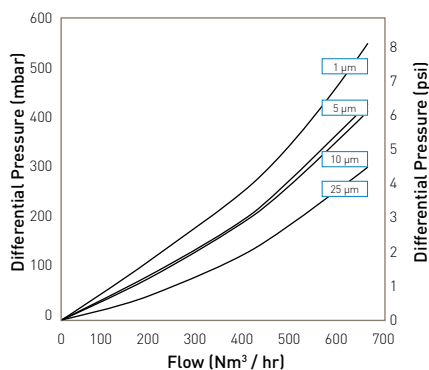
Features and Benefits

- Cost effective prefiltration
- Absolute micron rating range from 1.0 - 25 micron
- High flow rates and long life
- Steam sterilisable
- Graded density for excellent particle retention
- No release of particles even during system pressure fluctuations

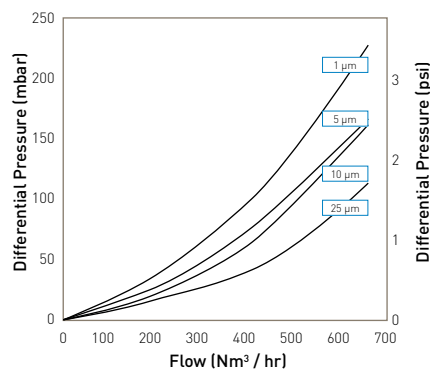


Note: PEPLYN is a registered trademark of Parker domnick hunter

Performance Characteristics



Flow rates for other sizes available upon request



Flow rates for other sizes available upon request

Cartridge flow rates @ 0 barg
10" Size (250 mm)

Cartridge flow rates @ 2 barg
10" Size (250 mm)

Specifications

Materials of Construction

- Filtration Media: Meltblown Polypropylene
- Upstream Support: Polypropylene
- Downstream Support: Polypropylene
- Inner Support Core: 316L Stainless Steel
- Outer Protection Cage: Polypropylene
- End Caps: Polypropylene
- Standard o-rings/gaskets: Silicone

Food and Biological Safety

Materials conform to the relevant requirements of 21CFR Part 177, EC1935 / 2004 and current USP Plastics Class VI - 121 °C and ISO10993 equivalents.

Recommended Operating Conditions

The maximum differential pressure in direction of flow (outside to in) is 3.5 barg (50.76 psig) at 20 °C (68 °F).

The maximum recommended continuous operating temperature is 50 °C (122 °F).

Effective Filtration Area (EFA)*

10" (250 mm) 0.49 m² (5.27 ft²)

*Varies with micron rating

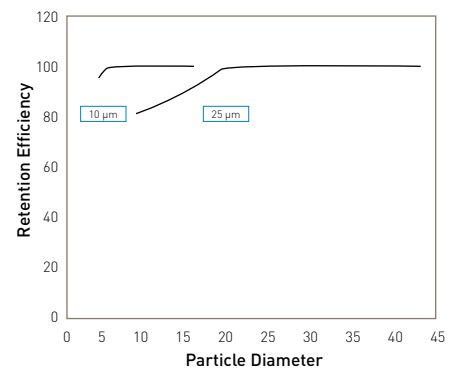
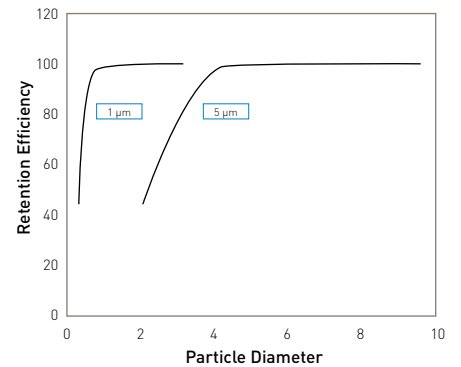
Cleaning and Sterilisation

PEPLYN AIR cartridges can be repeatedly in situ steam sterilised or autoclaved up to 142 °C (287.6 °F).

Determination of Micron Ratings

Particle removal efficiencies of PEPLYN AIR cartridges have been determined independently by challenging with a cut silica test dust, generated by BUS1701 dust injector used in conjunction with laser particle counters.

Micron Efficiency Ratings



Ordering Information

ZCPH		-		-	
Code	Length (Nominal)	Code	Micron	Code	Endcap (10")
B	2.5" (65 mm)	1.0	1.0 µm	C	BF / 226 Bayonet
A	5" (125 mm)	005	5.0 µm	H	UF Retrofit
K	5" (125 mm)	010	10.0 µm		
1	10" (250 mm)	025	25.0 µm	Code	Endcap (Demi)
2	20" (500 mm)			T	TRUESEAL
3	30" (750 mm)			Y	Demi Stub
				Z	Demi A & B Std
				Code	O-rings
				E	EPDM
				P	PTFE
				S	Silicone
				V	Viton