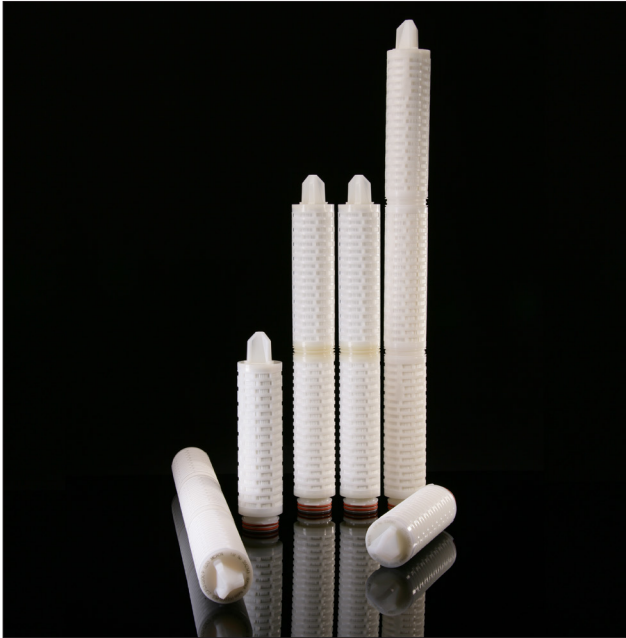


# PEPLYN AIR Air & Gas

Filter Cartridges



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

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

PEPLYN AIR is particularly suitable for:

- Inlet gas in the fermentation industry as protection to sterilizing grade filters where polypropylene media is preferred
- As protection to sterilizing grade filters in exhaust gas systems
- Vent applications
- Systems where high particulate loading is expected

PEPLYN AIR has the ability to be steam sterilized and has a broad range of chemical compatibility

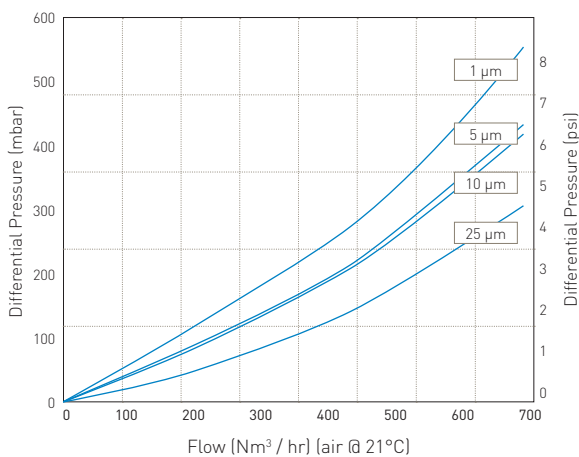
## Features

- Strong and durable polypropylene filtration media
- Graded density, pleated construction

## Benefits

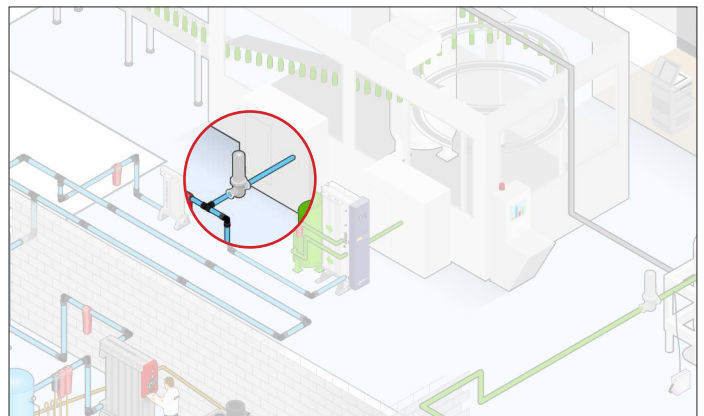
- Effective particle retention and steam sterilizable capability
- High flow rate and long service life

## Performance Characteristics



## Filtration Stage

### Particulate Removal



## 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 Contact Compliance

Parker domnick hunter's range of PEPLYN AIR filters are intended for indirect food contact and as such are manufactured from materials suitable for the sterilization of compressed gasses within Food and Beverage applications. Materials conform to the relevant requirements of the United States FDA 21CFR part 177 and USP Plastics Class VI – 121°C .



### 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) Up to 0.48 m<sup>2</sup> (5.16 ft<sup>2</sup>)

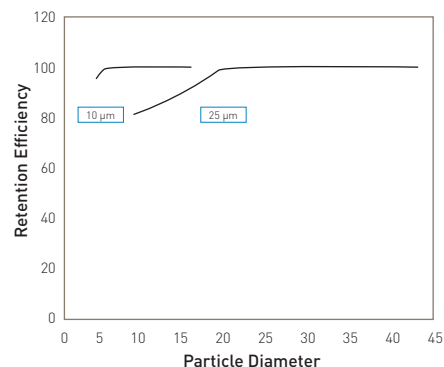
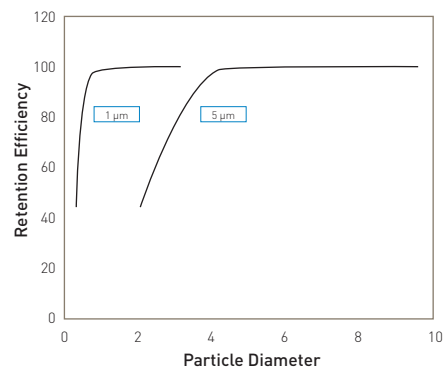
### Cleaning and Sterilization

PEPLYN AIR cartridges can be repeatedly in situ steam sterilized 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



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Code	Length (Nominal)
B*	2.5" (65 mm)
A*	5" (125 mm)
K	5" (125 mm)
1	10" (250 mm)
2	20" (500 mm)
3	30" (750 mm)

\* Supplied in packs of 3

Code	Micron
1.0	1.0 µm
005	5.0 µm
010	10.0 µm
025	25.0 µm

Code	End Cap (10 inch)
C	BF / 226 Bayonet
H	UF Retrofit

Code	End Cap (Demi)
T	TRUESEAL
Y	Demi Stub
Z	Demi A & B Std

Code	O-rings
E	EPDM
P	PTFE Encapsulated Silicone
S	Silicone
V	Viton®

\* Silicone o-ring supplied as standard without having to specify the 'S' code

HBA  
HOUSING RANGE  
AVAILABLE