

# Puris-Fine Series Filter Cartridges



## Product Introduction

Puris-Fine series filter cartridges are 100% made of high purity polypropylene resin, which is ideal for general particle reduction applications. It's easy and safe to incinerate or dispose used cartridges. The cartridges are manufactured by a high-tech melt-blowing machine results in a consistent quality and graded pore structure. Its graded pore structure enhances dirt holding capacity and filtration efficiency. In addition, Puris-Fine series filter cartridges are free of surfactants, binders and adhesives. It has an excellent advantage of non-fiber releasing, which indeed delivers superior performance.

- Materials are FDA graded
- Manufactured under a certified ISO 9001 quality system
- NSF certified

## Product Specifications

### Materials of Construction

- Filter Media: Melt Blown Polypropylene
- End Caps: Polypropylene
- Gaskets/O-rings: PE Gaskets, Silicone, Buna-N, EPDM, Viton

### Dimensions

- Outside Diameter: 2.5" (63mm)
- Inside Diameter: 1.1" (28mm)
- Lengths: 10", 20", 30", 40", 50"

## Performance Specifications

### Retention Ratings

0.5, 1, 3, 5, 10, 20, 30, 50, 75, 100  $\mu$ m

### Operating Conditions

- Maximum Operating Differential Pressure:  
50 psid (3.45 bar) @ ambient  
25 psid (1.72 bar) @ 140°F (60°C)
- Maximum Operating Temperature: 140°F (60°C)
- Recommended Change Out Differential Pressure:  
35 psid (2.4 bar)



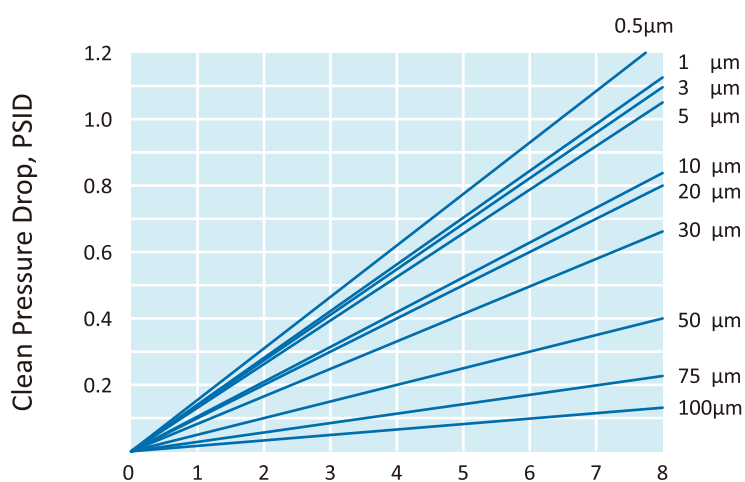
## FDA Listed Materials

Manufactured from materials which are FDA listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

## Purity

All Puris-Fine series filter cartridges are free of surfactants, anti-static agents, binders and adhesives.

## Liquid Flow Rate vs. Initial Differential Pressure



Flow Rate, GPM, Water@AMB.

Flow rate is per 10" cartridge. For liquids other than water, multiply the pressure drop by the fluid viscosity in centipoises

## Ordering Information

PRS	5-	20-	3	E
Product Name	Retention Rating	Cartridge Length	End Configuration	Gasket/O-ring Material
PRS	0.5, 1, 3, 5, 10, 20, 30, 50, 75, 100 µm	10" 20" 30" 40" 50"	PE=PE Gaskets No Symbol=DOE Code 3=222 / Flat Code 8=222 / Fin Code 7=226 / Fin, Bayonet	N=Buna-N E=EPDM V=Viton S=Silicone