

# Absolute-rated Polypropylene Depth

Pur-PLEAT & Poly-MAXX

▪ Reagent Grade Chemicals

▪ General Water Filtration

▪ Recirculating Liquids

▪ Waste Water

▪ DI/RO Prefiltration

Strainrite's **Absolute-Rated Polypropylene Depth** filter cartridges are designed to optimize throughput, while achieving absolute and repeatable effluent quality. Our filter media is constructed on the latest continuous microfiber blowing equipment that accurately controls fiber diameter and integrity.

Utilizing state-of-the-art, on-line monitoring equipment, Strainrite delivers the industry's most uniform media, ensuring unparalleled product consistency. Our 100% polypropylene construction provides an expansive chemical compatibility range for your most demanding applications. All materials of construction meet USP Class VI and CFR 21 requirements for food and beverage contact.

## Features & Benefits

### Pur-Pleat & Poly-MAXX

- Absolute-rated media provides reliable, consistent and repeatable filtration
- Maximized pleat design for greater surface area, ensuring longer service life, fewer change outs and reduced operating costs
- Low pressure drops yield higher flow rates and reduced processing time
- 100% polypropylene
- FDA, CFR 21 and USP Class VI compliant
- Thermally bonded construction eliminates particle bypass



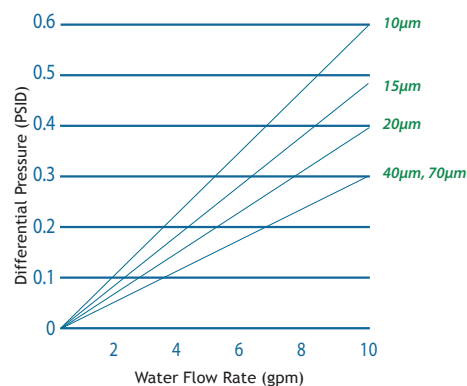
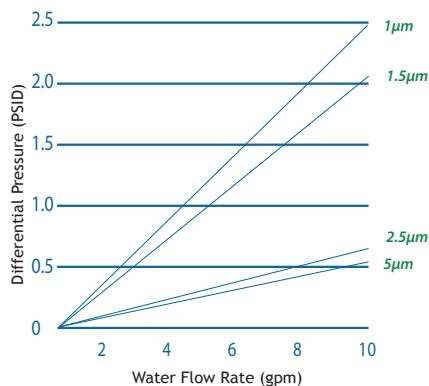
### Pur-Pleat Efficiency

| Cartridge | 99.98% Efficiency |
|-----------|-------------------|
| PP 1      | 1.0µm             |
| PP 1.5    | 1.5µm             |
| PP 2.5    | 2.5µm             |
| PP 5      | 5.0µm             |
| PP 10     | 10.0µm            |
| PP 15     | 15.0µm            |
| PP 20     | 20.0µm            |
| PP 40     | 40.0µm            |
| PP 70     | 70.0µm            |

### Poly-MAXX Efficiency

| Cartridge | 99.98% Efficiency |
|-----------|-------------------|
| PMX 1     | 1.0µm             |
| PMX 1.5   | 1.5µm             |
| PMX 2.5   | 2.5µm             |
| PMX 5     | 5.0µm             |
| PMX 10    | 10.0µm            |
| PMX 15    | 15.0µm            |
| PMX 20    | 20.0µm            |
| PMX 40    | 40.0µm            |
| PMX 70    | 70.0µm            |

## Performance Characteristics



## Specifications

### ASTM F795-88 Retention Rating

1.0, 1.5, 2.5, 5.0, 10.0, 15.0, 20.0, 40.0, 70.0

### Maximum Differential Pressure

Forward: 75 psid (5.1 bar) @ 75°F (24°C)  
40 psid (2.8 bar) @ 180°F (82°C)

### Maximum Operating Temperature

180°F (82°C) Continuous Duty

### Toxicity

All components meet all relevant USP XXII Class VI test for biological safety and FDA requirements for contact with food and beverage per 21CFR177.1520

### Packaging Economy

Bulk packaging in case quantities to reduce material disposal:

|         |               |
|---------|---------------|
| 5 inch  | 48 per carton |
| 10 inch | 24 per carton |
| 20 inch | 12 per carton |
| 30 inch | 12 per carton |
| 40 inch | 9 per carton  |

## Materials of Construction

### Filter Media

Polypropylene Microfiber

### End Caps

Polypropylene

### Pleat Support Material

Polypropylene

### Cage/Core

Polypropylene

### Seals

Buna N  
Fluorocarbon  
EPDM  
Silicone  
PTFE  
FEP Encapsulated Fluorocarbon  
FEP Encapsulated Silicone

### Sealing

Thermal Bond

## Dimensions

### Pur-Pleat

#### Outside Diameter

2.55" (6.48cm)

#### Lengths

5" (12.7cm)  
10" (25.4cm)  
20" (50.8cm)  
30" (76.2cm)  
40" (102cm)

### Poly-MAXX

#### Outside Diameter

2.7" (6.87cm)

#### Lengths

5" (12.7cm)  
10" (25.4cm)  
20" (50.8cm)  
30" (76.2cm)  
40" (102cm)

## Ordering Information

