



# Sediment Filtration Gradient Density Technology

## Multi-layered, Melt-blown Polypropylene Filters

Designed for residential and commercial water treatment applications

**Atlas Filtri®**, CPP BIG Gradient Density Cartridges are double open-ended, high-efficiency sediment cartridges with a 4.5" O.D. Available in lengths of 10" and 20" and with filtration rates of 25-to-1, 25-to-5, and 50-to-25 micron.

CPP BIG Series cartridges are made of melt-blown polypropylene and manufactured using a computer-controlled process to ensure reliability and performance.

Gradient density technology allows for larger particles to become trapped in the outer layers, while smaller particles penetrate deeper into the filter, increasing the life and performance of the cartridge. This results in greater dirt-holding ability compared to non-layered cartridges.

The innermost fibers form a tight self-supporting structure, providing exceptional strength. This allows for optimum dirt-holding capacity, minimal change-outs, and are interchangeable with most standard sediment filters.

The inert polypropylene resin provides exceptional chemical compatibility to handle a wide range of process fluids and are designed for high flow rates with minimum pressure drop.

CPP BIG Filter Cartridges are designed for residential Point-of-Entry (POE) use, full-flow commercial, and industrial applications.

The melt-blown polypropylene filters have been tested and certified under NSF/ANSI Standard 42 by IAPMO.



10" and 20"  
Sediment Filter

### Features

#### **Sediment Filter Cartridge:**

- Designed for residential and light commercial filtration applications
- 25-to-1, 25-to-5, and 50-to-25 micron
- Standard double open-ended cartridge
- Depth filter design for longer life
- Available in 4.5" x 10" and 20" lengths

### Specifications

#### **Materials:**

Filter Construction: Polypropylene

#### **Working Conditions:**

Working Temperature Range:  
Min 39.2°F (4°C) – Max 177°F (80.6°C)

#### **Media Temperature Range:**

Max 220°F (104°C) in heated environment



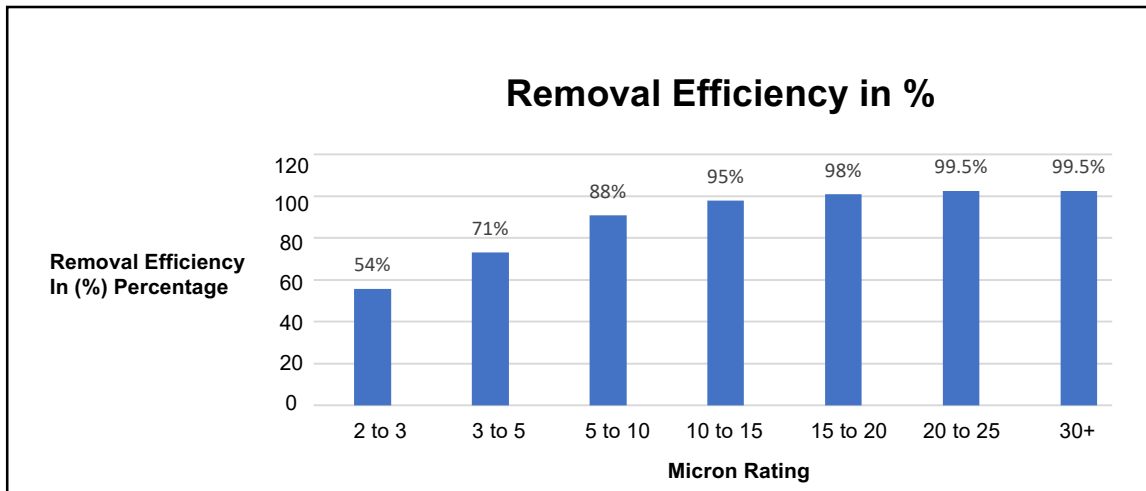
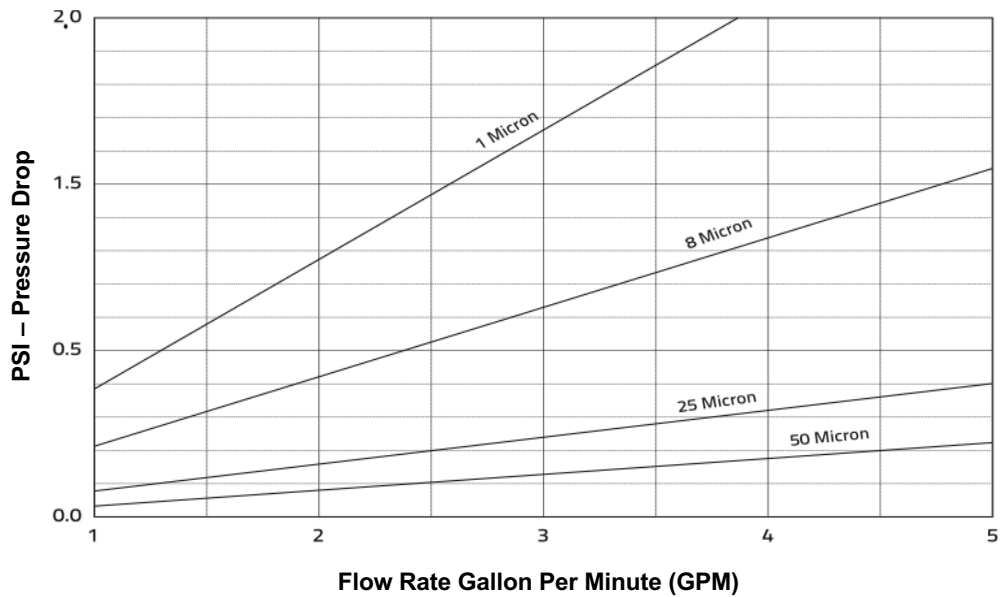
NSF Approved under  
IAPMO Certification for  
NSF/ANSI Standard 42

## PRODUCT SPECIFICATION AND PERFORMANCE

Listed Polypropylene Sediment Reduction Cartridges in Gradient Density Design

ITEM ID	OD 4.5" X ID 1.10"	HEIGHT	PCS X BOX	BOX DIMENSIONS (inches)			BOX VOLUME (cubic feet)	BOX GROSS WEIGHT (lbs)
				A	B	C		
RE5706651	CPP GD 10 BIG SX 25-1m	10"	12	21.3	9.8	14.7	1.8	14.24
RE5706652	CPP GD 10 BIG SX 25-5m	10"	12	21.3	9.8	14.7	1.8	14.24
RE4520GD2501	CPP GD 20 BIG SX 25-1m	20"	6	21.3	9.8	14.7	1.8	12.13
RE5706954	CPP GD 20 BIG SX 50-25m	20"	6	21.3	9.8	14.7	1.8	12.13
RE5706952	CPP GD 20 BIG SX 25-5m	20"	6	21.3	9.8	14.7	1.8	12.13

Filter Performance Curve (9.78")



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