



**The Clear Choice**  
Water Filtration Systems

[www.aquafilter.com](http://www.aquafilter.com)

# FCPS

## Melt-blown Polypropylene Filter Cartridge

### General Description:

AQUAFILTER FCPS series cartridges are **NSF certified** using FDA approved polypropylene for material requirements.

The construction of this pure polypropylene, surfactant-free depth filter ensures low pressure drops, with exceptional dirt holding capabilities. FCPS uses no resin binders, lubricants, antistatic or release agents or other chemical additives.

The one-step manufacturing process continuously extrudes and thermally bonds pure polypropylene microfibres into a complex filter matrix.

Cartridges are characterized by excellent sediment absorption of sand, silt, rust and suspended solids from potable water.

Polypropylene fibers are chemical resistant and prevent development of microorganisms. In addition, these filter cartridges effectively protect expensive home appliances and residential plumbing systems.

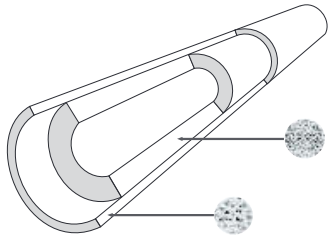
**FCPS** series cartridges are an ideal true depth filters and can be used for filtration of cold potable water.

Aquafilter wide range of melt-blown cartridges has multiple fiber zones. These multi-fibre zones provide a graded pore structure throughout the filter's depth. Our filter cartridges have been designed to capture and retain contaminants throughout the entire cross section of the filter.

The multiple fibre zones give our filter cartridges a major competitive advantage over other melt-blown filters with fewer pore size gradients in their structure.

Aquafilter melt-blown filters demonstrate true graded depth filtration, the results are long filter service life, therefore lower consumable costs.

The new, modern, automatic manufacturing equipment used to produce our wide range of melt-blown cartridge filters delivers consistently efficient filters at low costs.



### Features:

- NSF approved product
- FDA CFR Title 21 Compliance
- Competitive Pricing
- Removal ratings from 1 to 50 micron
- 85% efficiency at stated nominal micron rating
- Multi-layer construction gives true graded depth filtration, high dirt holding capacity and long service life
- Consistently efficient filters
- Constructed from 100% polypropylene without added binders, resins or adhesives
- Provides excellent filtration with low inlet pressure
- Provides first stage filtration for potable water\*
- Chemical resistant
- Prevents development of microorganisms
- Made in the EU with High Quality materials

\* in case of filter cartridge with 20µm and higher



This Cartridge is Tested and Certified by NSF International against NSF/ANSI Standard 42 for materials requirements only.

COMPONENT





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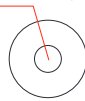
CAT #	SIZE	Weight	Micron	Max. Flow		Filter life*		
				lpm	gpm	liters	gallons	months
FCPS5-1	4 7/8" x 2 1/2" 129 mm (+/- 2 mm) x 62 mm (+/- 3 mm)	55 g (+/- 5 g)	1 µm	10	2.65	8,000	2,115	3-6
FCPS5-5	4 7/8" x 2 1/2" 129 mm (+/- 2 mm) x 62 mm (+/- 3 mm)	55 g (+/- 5 g)	5 µm	10	2.65	8,000	2,115	3-6
FCPS20-5	4 7/8" x 2 1/2" 129 mm (+/- 2 mm) x 62 mm (+/- 3 mm)	55 g (+/- 5 g)	20 µm	10	2.65	8,000	2,115	3-6
FCPS50-5	4 7/8" x 2 1/2" 129 mm (+/- 2 mm) x 62 mm (+/- 3 mm)	55 g (+/- 5 g)	50 µm	10	2.65	8,000	2,115	3-6
FCPS1	9 7/8" x 2 1/2" 256 mm (+/- 1 mm) x 62 mm (+/- 3 mm)	105 g (+/- 5 g)	1 µm	20	5.29	12,000	3,170	3-6
FCPS5	9 7/8" x 2 1/2" 256 mm (+/- 1 mm) x 62 mm (+/- 3 mm)	105 g (+/- 5 g)	5 µm	20	5.29	12,000	3,170	3-6
FCPS10	9 7/8" x 2 1/2" 256 mm (+/- 1 mm) x 62 mm (+/- 3 mm)	105 g (+/- 5 g)	10 µm	20	5.29	12,000	3,170	3-6
FCPS20	9 7/8" x 2 1/2" 256 mm (+/- 1 mm) x 62 mm (+/- 3 mm)	105 g (+/- 5 g)	20 µm	20	5.29	12,000	3,170	3-6
FCPS50	9 7/8" x 2 1/2" 256 mm (+/- 1 mm) x 62 mm (+/- 3 mm)	105 g (+/- 5 g)	50 µm	20	5.29	12,000	3,170	3-6
FCPS1-L	20" x 2 1/2" 513 mm (+/- 3 mm) x 62 mm (+/- 3 mm)	210 g (+/- 5 g)	1 µm	30	7.09	16,000	4,220	3-6
FCPS5-L	20" x 2 1/2" 513 mm (+/- 3 mm) x 62 mm (+/- 3 mm)	210 g (+/- 5 g)	5 µm	30	7.09	16,000	4,220	3-6
FCPS20-L	20" x 2 1/2" 513 mm (+/- 3 mm) x 62 mm (+/- 3 mm)	210 g (+/- 5 g)	20 µm	30	7.09	16,000	4,220	3-6
FCPS50-L	20" x 2 1/2" 513 mm (+/- 3 mm) x 62 mm (+/- 3 mm)	210 g (+/- 5 g)	50 µm	30	7.09	16,000	4,220	3-6
FCPS5-30"	30" x 2 1/2" 764 mm (+/- 1 mm) x 62 mm (+/- 3 mm)	315 g (+/- 10 g)	5 µm	60	15.87	36,000	9,510	3-6
FCPS20-30"	30" x 2 1/2" 764 mm (+/- 1 mm) x 62 mm (+/- 3 mm)	315 g (+/- 10 g)	20 µm	60	15.87	36,000	9,510	3-6
FCPS5-40"	40" x 2 1/2" 1023 mm (+/- 3 mm) x 62 mm (+/- 3 mm)	420 g (+/- 10 g)	5 µm	80	21.16	45,000	11,905	3-6
FCPS20-40"	40" x 2 1/2" 1023 mm (+/- 3 mm) x 62 mm (+/- 3 mm)	420 g (+/- 10 g)	20 µm	80	21.16	45,000	11,905	3-6
FCPS1M10B	9 7/8" x 4 1/2" 256 mm (+/- 1 mm) x 114 mm (+/- 1 mm)	420 g (+/- 5 g)	1 µm	40	10.5	18,000	4,760	3-6
FCPS5M10B	9 7/8" x 4 1/2" 256 mm (+/- 1 mm) x 114 mm (+/- 1 mm)	420 g (+/- 5 g)	5 µm	40	10.5	18,000	4,760	3-6
FCPS20M10B	9 7/8" x 4 1/2" 256 mm (+/- 1 mm) x 114 mm (+/- 1 mm)	420 g (+/- 5 g)	20 µm	40	10.5	18,000	4,760	3-6
FCPS50M10B	9 7/8" x 4 1/2" 256 mm (+/- 1 mm) x 114 mm (+/- 1 mm)	420 g (+/- 5 g)	50 µm	40	10.5	18,000	4,760	3-6
FCPS1M20B	20" x 4 1/2" 513 mm (+/- 3 mm) x 114 mm (+/- 1 mm)	840 g (+/- 10 g)	1 µm	60	15.87	24,000	6,340	3-6
FCPS5M20B	20" x 4 1/2" 513 mm (+/- 3 mm) x 114 mm (+/- 1 mm)	840 g (+/- 10 g)	5 µm	60	15.87	24,000	6,340	3-6
FCPS20M20B	20" x 4 1/2" 513 mm (+/- 3 mm) x 114 mm (+/- 1 mm)	840 g (+/- 10 g)	20 µm	60	15.87	24,000	6,340	3-6
FCPS50M20B	20" x 4 1/2" 513 mm (+/- 3 mm) x 114 mm (+/- 1 mm)	840 g (+/- 10 g)	50 µm	60	15.87	24,000	6,340	3-6

\* filter cartridge lifetime based on contamination level of potable water.

**Specifications:**

Filter media: PP  
 Min. feedwater temp. 2°C (35°F)  
 Max. feedwater temp. 80°C (176°F)  
 Nominal micron rating: 1, 5, 10, 20, 50  
 Lengths: 10, 20, 30, 40,  
 Outer diameter: 2 1/2", 4 1/2"  
 Inner diameter: 1.1"  
 Avg. Efficiency: 90%

Inner diameter: 1.1"



**IMPORTANT NOTICE:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. We recommend regularly scheduled maintenance and replacement of the filter cartridge in order for the product to perform properly. Improper installation and maintenance may result in property damages due to water leakage.  
**Limited Warranty:** AQUAFILTER warrants that this product is free from defects in materials and workmanship. This limited warranty does not apply to failures that result from abuse, misuse, alteration or failure to properly comply with installation or cartridge change instructions.

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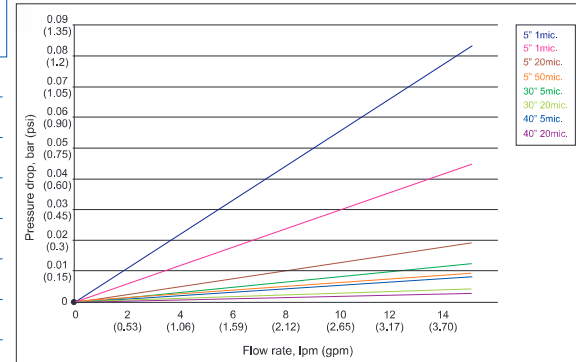
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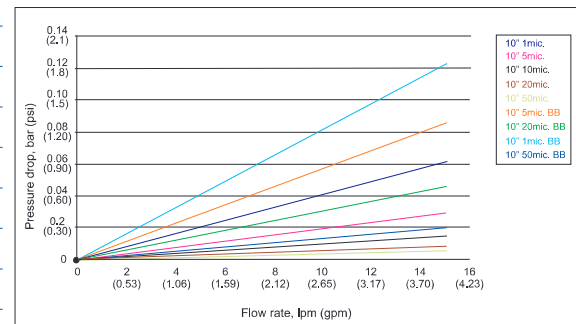
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Pressure drop diagram for 5", 30", 40" cartridges



Pressure drop diagram for 10" cartridges (including 10" Big Blue®)



Pressure drop diagram for 20" cartridges (including 20" Big Blue®)

