

## Sediment Filtration with Scale Reduction Technology

Designed for residential and light  
commercial tankless water heating systems

ATLAS FILTRI<sup>®</sup> CPP SP are melt-blown filter cartridges incorporating ScaleArmor<sup>™</sup>, with 2.5" OD in double-open-ended (DOE) configuration, and are offered in lengths at 10", 20", 30", and 40", with filtration rates at 5 and 25 micron.

The melt-blown filtration component is manufactured using a computer controlled process to ensure reliability and performance. The innermost fibers form a tight self-supporting structure, providing exceptional strength.

ScaleArmor<sup>™</sup> is polyphosphate manufactured with proprietary technology in glassy beads, which allows a consistently slow release of the media, preventing formation of scale in heating systems and providing corrosion inhibition of pipes and equipment.

CPP SP filter cartridges are designed for residential and light commercial, tankless heating systems and are suitable for use in cold and hot water up to 176°F (80°C).

Atlas Filtri is driven to providing our customers with the best available products to meet their filtration requirements. This is done by using the most advanced manufacturing and design methods. The inter-national patents received come from a constant commitment to research and develop that result in new and innovative products.

Check out more about Atlas Filtri at [atlasfiltri.com](http://atlasfiltri.com).



### FEATURES

#### **Sediment Filter Cartridge**

- 2.5" OD melt-blown polypropylene filter media
- Double open ended models SX with lengths at 10", 20", 30" and 40"
- Nominal filtrations at 5 and 25 micron
- Low pressure-drop
- High dirt hold capacity
- NSF/ANSI Component Certified

#### **Scale Reduction Media**

- 6 months service time
- NSF/ANSI Component Certified

### SPECIFICATIONS

#### **Materials**

Filter media: polypropylene.  
Conditioning media: glassy bead polyphosphate

#### **Working Conditions**

Working temperature range:  
Min 39.2°F (4°C) - Max 176°F (80°C)

### CERTIFICATIONS



C  
CPP filter cartridges are tested and certified by NSF International against NSF/ANSI Standard 42 for material requirements only.

COMPONENT



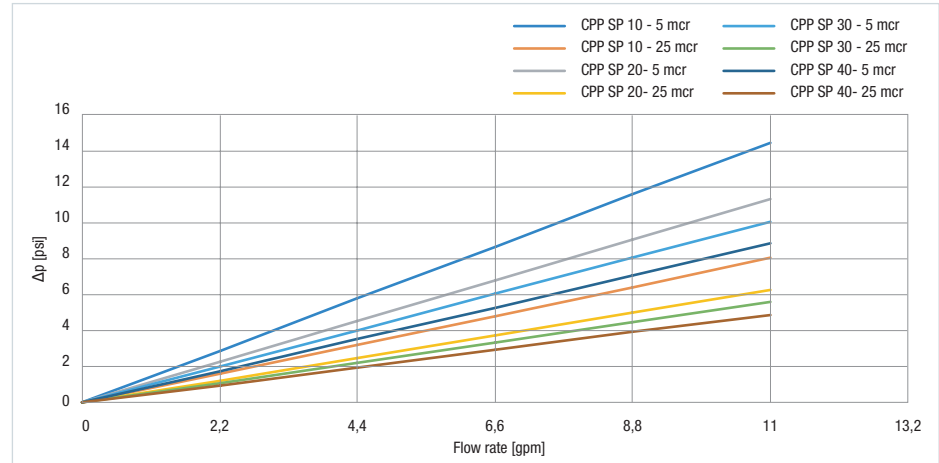
Glassy polyphosphate beads

## PRODUCTS SPECIFICATIONS and PERFORMANCES

Listed CPP SP are standard double open ended models

PART NO.	MODEL	FILTER H	MICRON	MAX DIMENSIONS H x W	MAX PRESSURE DROP @ FLOW RATE
RA5775508	CPP-SP 10 SX 5 mcr	10"	5	9.84" x 2.75" x 1.02" (250x70x26 mm)	7 psi @ 5.7 gpm (0.48 bar @ 21 lpm)
RA5775511	CPP-SP 10 SX 25 mcr	10"	25	9.84" x 2.75" x 1.02" (250x70x26 mm)	3.8 psi @ 5.7 gpm (0.26 bar @ 21 lpm)
RA5777526	CPP-SP 20 RT SX 5 mcr	20"	5	20.04" x 2.75" x 1.02" (509x70x26 mm)	7.5 psi @ 7 gpm (0.51 bar @ 26.6 lpm)
RA5777512	CPP-SP 20 RT SX 25 mcr	20"	25	20.04" x 2.75" x 1.02" (509x70x26 mm)	4.1 psi @ 7 gpm (0.28 bar @ 26.6 lpm)
RA5778508	CPP-SP 30 SX 5 mcr	30"	5	30" x 2.75" x 1.02" (762x70x26 mm)	7.7 psi @ 8.5 gpm (0.53 bar @ 32.1 lpm)
RA5778511	CPP-SP 30 SX 25 mcr	30"	25	30" x 2.75" x 1.02" (762x70x26 mm)	4.5 psi @ 8.5 gpm (0.31 bar @ 32.1 lpm)
RA5779508	CPP-SP 40 SX 5 mcr	40"	5	40" x 2.75" x 1.02" (1016x70x26 mm)	8 psi @ 10 gpm (0.55 bar @ 37.8 lpm)
RA5779511	CPP-SP 40 SX 25 mcr	40"	25	40" x 2.75" x 1.02" (1016x70x26 mm)	4.7 psi @ 10 gpm (0.32 bar @ 37.8 lpm)

FLOW RATE vs PRESSURE DROP  $\Delta p$  | Testing mode: 68°F - 43.5 psi (20°C - 3 bar)



Performance and capacity claims are based on independent and internal testing, and upon the filter cartridge being integrated with a complete system (i.e. filter, housing, fittings, tubing) connected to a regulated pressurized water source. The system must be operated according to system installation and operation manual, for proper installation and proper filter cartridge replacement process. It is essential to follow operational, maintenance and filter replacement procedures to ensure proper filter cartridge performance. The cartridge capacity may vary upon the of the inlet water conditions and according to flow rate and inlet line pressure, which may require more frequent filter cartridge replacement. The contaminants and substances reduced by this filter cartridge are not necessarily in user's water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before and after the system. To start, flush the system for 5 minutes before use.

## SUITABLE FILTER HOUSINGS

2.5" housings fit to CPP SP filter cartridges



SENIOR PLUS 3P TS



DP MONO 10 AB



MASTER PLUS 3P AB



DP MONO 20 TS

Multi-cartridge Stainless Steel housings fit to CPP SP filter cartridges



PP4FOS



PP12FOS



PP5FOS

See more models of DP, PLUS 3P, and PPFOS series of housings on [atlasfiltri.com](http://atlasfiltri.com)

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