

## CPP BIG SP series Sediment Filtration with Scale Reduction Technology

Designed for residential and commercial tank-less water heating systems

**ATLAS FILTRI<sup>®</sup> CPP BIG SP are sediment filter cartridges incorporating Scale Reduction Media, with 4.5" OD in double-open-ended (DOE) configuration, and are offered in lengths at 10" and 20" with filtration rate at 5 micron.**

CPP BIG SP are manufactured using a computer controlled process to ensure reliability and performance. The innermost fibers form a tight self-supporting structure, providing exceptional strength. The Scale Reduction media is polyphosphate manufactured with proprietary technology in glassy beads which allows a consistently slow release of the media, preventing formation of scales in heating systems and providing corrosion inhibition of pipes and equipment.

CPP BIG SP filter cartridges are designed for residential and commercial water tank less 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 international 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 [www.atlasfiltri.com](http://www.atlasfiltri.com)



### FEATURES

#### Sediment Filter Cartridge

- 4.5" OD melt-blown polypropylene filter media
- Double open ended models
- 1.10" ID
- Lengths at 10" and 20"
- Nominal filtration rate at 5 and 25 micron
- Low pressure-drop
- High dirt hold capacity
- NSF/ANSI Component Certified

#### Scale Reduction Media

- 12 oz of slow release polyphosphate beads \*Slow Phos<sup>®</sup>
- 6 months service time
- NSF/ANSI Component Certified

\* Slow Phos<sup>®</sup> is a registered trademark, property of Pacific Standard Specialties, Inc., USA

### SPECIFICATIONS

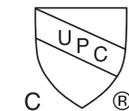
#### Materials

Filter media: polypropylene.  
Conditioning media: glassy bead polyphosphate

#### Working conditions

Working temperature range:  
Min 39.2°F (4°C) - Max 76°F (80°C)

### CERTIFICATIONS



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

COMPONENT

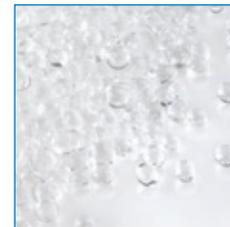


Slow Phos<sup>®</sup> is tested and certified by NSF International against NSF/ANSI Standard 42 for material requirements only.

COMPONENT



Slow Phos<sup>®</sup> is certified to NSF/ANSI 60



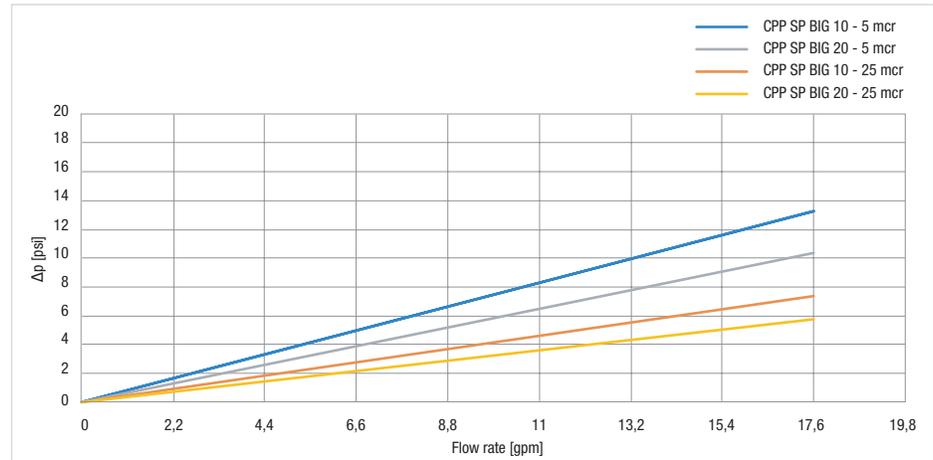
Glassy polyphosphate beads

## 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
RA5775608	CPP-SP BIG 10 SX 5 mcr	10"	5	9.78" x 4.49" x 1" (248x114x25.5 mm)	8.2 psi @ 11 gpm (0.56 bar @ 41.6 lpm)
RA5775611	CPP-SP BIG 10 SX 25 mcr	10"	25	9.78" x 4.49" x 1" (248x114x25.5 mm)	4.5 psi @ 11 gpm (0.31 bar @ 41.6 lpm)
RA5777608	CPP-SP BIG 20 SX 5 mcr	20"	5	20.04" x 4.49" x 1" (509x114x25.5 mm)	9 psi @ 15 gpm (0.62 bar @ 56.7 lpm)
RA5777611	CPP-SP BIG 20 SX 25 mcr	20"	25	20.04" x 4.49" x 1" (509x114x25.5 mm)	5 psi @ 15 gpm (0.34 bar @ 56.7 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

DP BIG series of housings fit to CPP BIG SP filter cartridges (10" and 20")



See more models of DP BIG series of housings on [www.atlasfiltri.com](http://www.atlasfiltri.com)

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