



# BIG Sediment Filtration with ScaleArmor™

## Melt-blown Polypropylene Filters with Scale Reduction Media

Designed for residential and commercial tankless water heating systems

Atlas Filtri® branded cartridges are manufactured using a computer-controlled process to ensure reliability and performance.

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

Dual gradient depth filtration is achieved with the advanced die system. The design allows for two distinct filter zones. Larger particles are trapped and filtered out in the first zone and smaller particles are trapped in the second zone.

The melt-blown polypropylene filters and the polyphosphate media have been tested and certified separately under NSF/ANSI Standard 42.

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

Atlas Filtri cartridges are made of polypropylene resin meeting FDA regulation 21CFR177.1520. Polyphosphate media prevents the formation of scale and eliminates existing scale by accelerating the transformation of the calcium and magnesium minerals into harmless "Aragonite" crystal particles. As these particles flow through plumbing systems, they do not attach to pipes, fixtures, valves, or heating elements.

Corrosion Inhibition: Used to form a protective coating on metal surfaces and provide corrosion protection against acidity, alkalinity, and many other mineral salts which may lead to the "rusting out" of water system pipes and equipment.

Iron Control: Used to sequester dissolved iron up to 10 ppm and prevent the iron from precipitating, staining, discoloring, and distasteful flavor.

Polyphosphate has been tested and certified under ANSI/NSF Standard 42: Drinking Water Treatment Units- Aesthetic Effects ANSI/NSF Standard 60: Drinking Water Treatment Chemicals-Health Effects, for use in potable water systems at concentrations up to 10ppm.



10" and 20"  
Sediment Filter with  
ScaleArmor™

## Features

### Sediment Filter Cartridge:

- Designed for residential and light commercial filtration applications
- 5-micron sediment melt-blown filter
- Standard double open-ended cartridge
- Gradient density design for longer life
- Available in 4.5" x 10" and 20" lengths

### Scale Reduction Media:

- Slow release polyphosphate media
- Minerals remain in the water
- Low acid type limiting pH change designed to last 12 months
- 8oz of scale reduction media in 10" and 12oz in 20" cartridges.

## Specifications

### Materials:

Filter Construction: Polypropylene  
Filter Media: Glassy Polyphosphate

### 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



COMPONENT

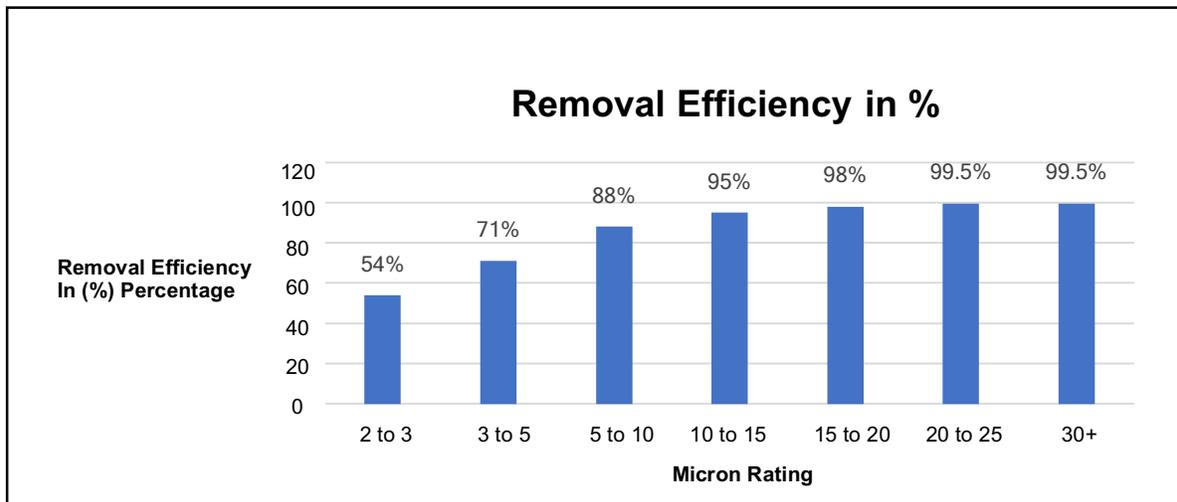
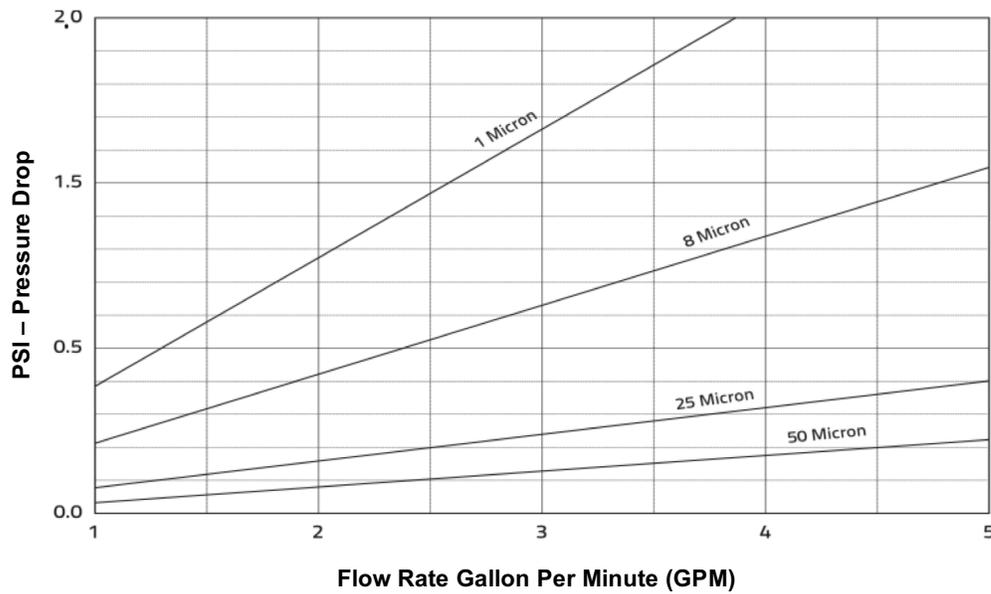
This SLOW PHOS is Tested and Certified by NSF International against NSF/ANSI Standard 42 for material requirements only.



Certified to NSF/ANSI 60

Model	Quantity (Length) of Cartridge	Flow Rate GPM
RA5775608	CPP-SP 10 BIG SX 5 Micron Sediment/Scale Filter	15 to 20
RA5777608	CPP-SP 20 BIG SX 5 Micron Sediment/Scale Filter	45 to 50

**Filter Performance Curve (9.78")**



Atlas Filtri® is a registered trade mark of ATLAS FILTRI srl. Unauthorized use of the registered trade mark is prohibited. Images and context are the property of ATLAS FILTRI srl, which reserves the right to change product design and specification without prior notification.

**Atlas Filtri North America LLC**

1068 North Farms Road, Building 3, Wallingford, CT 06492, USA

Office +1 (203) 284-0080 - Fax +1 (203) 294-9226 – email: [atlasfiltrinorthamerica@atlasfiltri.com](mailto:atlasfiltrinorthamerica@atlasfiltri.com)

A Company of the Atlas Filtri Group. World headquarters and production facilities located in Italy.