

**ATLAS FILTRI**

# **POLYPROPYLENE WOUND SEDIMENT FILTER CARTRIDGES**

**SX 5 micron 10"**

**Premium Heavy-Duty Filtration Solutions**

## **□ Average Lifespan: 3-6 Months**

Reliable performance with extended operational life for cost-effective filtration.

## **⚙ WORKING CONDITIONS**

Max working temperature ..... **45°C (113°F)**

Min working temperature ..... **4°C (39.2°F)**

## **□ SPECIFICATIONS**

- ✓ **Non-toxic materials, suitable for drinking water**
- ✓ **Filter medium:** Polypropylene thread
- ✓ **Inner core:** Polypropylene

## PRODUCT OVERVIEW

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Atlas Filtri polypropylene wound thread cartridges represent the industry standard for heavy-duty sediment filtration. Manufactured from uniform, high-quality polypropylene thread wound on reinforced polypropylene inner cores, these cartridges deliver exceptional performance in removing scale, sand, lime, rust, and other fine particulates.

Available in a comprehensive range of filter ratings, heights, diameters, and configurations, these cartridges are engineered to meet the demanding requirements of residential, commercial, industrial, municipal, and specialized applications.

## KEY FEATURES & BENEFITS

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- **Superior Construction:** Uniform and consistent polypropylene thread creates a strong, homogeneous structure
- **Compact Design:** Dense cartridge construction provides larger effective filtration surface area
- **Enhanced Efficiency:** Improved filtration performance with extended operational lifespan
- **Cost-Effective:** Higher cost-to-performance ratio compared to standard cartridges
- **Maximum Rigidity:** Reinforced inner core with specialized solutions maintains structural integrity
- **Drinking Water Safe:** FA cartridges comply with the most stringent drinking water regulations

- **Chemical Compatibility:** Wide chemical-physical compatibility with various water-based solutions
- **Versatile Sizing:** Available in heights from 4" to 40" to fit any application

## APPLICATIONS

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### RESIDENTIAL

Whole house filtration, drinking water systems, well water treatment

### COMMERCIAL

Restaurants, hotels, offices, retail facilities

### INDUSTRIAL

Manufacturing processes, equipment protection, cooling systems

### MUNICIPAL

Water treatment plants, distribution systems, public facilities

## CONTAMINANT REMOVAL

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Effectively removes:

Scale

Sand

Lime

Rust

Sediment

Fine Particles

## CONSTRUCTION DETAILS

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### Material Composition

- **Thread Material:** Premium uniform polypropylene - strong, consistent, and homogeneous
- **Inner Core:** Reinforced polypropylene with specialized rigidity solutions
- **Construction Method:** Precision wound thread for compact, high-density filtration media

### Performance Advantages

- Larger filtration surface area per cartridge
- Enhanced dirt-holding capacity
- Consistent performance throughout service life
- Superior structural integrity from 4" to 40" lengths

## TECHNICAL SPECIFICATIONS

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Specification	Details
Product Code	SX 5 micron 10"
Filter Type	Wound polypropylene sediment cartridge
Filtration Rating	5 micron
Cartridge Length	10 inches
Average Lifespan	3-6 months (depending on water quality and flow rate)

45°C (113°F)

**Max Working Temperature**

<b>Min Working Temperature</b>	4°C (39.2°F)
<b>Filter Medium</b>	100% polypropylene thread
<b>Core Material</b>	Polypropylene (reinforced)
<b>Chemical Compatibility</b>	Wide compatibility with water-based solutions
<b>Safety Compliance</b>	Non-toxic materials suitable for drinking water
<b>Regulatory Compliance</b>	FA series meets stringent drinking water regulations

## PRODUCT VARIANTS

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### Filter Ratings

Multiple micron ratings available to target specific contaminant sizes

### Heights

Complete range from 4" to 40" for all standard housings

### Diameters

Various outer diameters to fit different housing sizes

### Configurations

Multiple end cap styles and seal types available

## CHEMICAL & PHYSICAL COMPATIBILITY

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### **Polypropylene Material Benefits:**

- Excellent chemical resistance to acids, bases, and solvents
- Compatible with a wide variety of water-based solutions
- Suitable for industrial applications requiring chemical resistance
- Non-toxic and safe for drinking water applications
- Resistant to bacterial growth and degradation
- Operating temperature range: 4°C to 45°C (39.2°F to 113°F)

## WHY CHOOSE ATLAS FILTRI CARTRIDGES?

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- ✓ **Proven Quality:** Manufactured by Atlas Filtri, a trusted leader in water filtration
- ✓ **Industry Standard:** Recognized as heavy-duty sediment filtration benchmark
- ✓ **Comprehensive Range:** Complete selection to meet any filtration requirement
- ✓ **Regulatory Compliance:** FA series meets most stringent drinking water standards
- ✓ **Superior Performance:** Enhanced filtration efficiency and extended lifespan
- ✓ **Cost Optimization:** Better cost-to-performance ratio for long-term savings

### **Perfect for Pre-Filtration & Primary Filtration**

Ideal as pre-filters to protect downstream equipment including reverse osmosis systems, softeners, and sensitive filtration devices, or as primary sediment filters in standalone applications.