

# CARTRIDGES CONFIGURATION

FOR FILTERS SX, BX, CX

Atlas Filtri® cartridges for sediment filtration are available in a wide range of end-caps configurations to provide:

- the widest compatibility to housings for cartridges with standard configuration SX with flat seals and double open end (DOE). The major part of housings in the market are suitable to this standard.
- a range of quick-fit double o-ring cartridges with proprietary configurations BX, CX to ensure: perfect watertight fit, safer for micro-filtration, simple and rapid maintenance operations, perfect cartridge standing and elimination of wrong positioning, market exclusivity.



**SX** **Standard double open end (DOE) configuration with antimicrobial flat seals.**  
Fit to SX housings, DP housings, Depural®, Depural® Top, Bravo DP, Oasis DP.



**BX** **Quick-fit configuration with 45 mm double o-ring collar.**  
Fit to Plus 3P BX housings, DP housings, K DP housings, Depural® Top, Bravo DP, Oasis DP.



**CX** **Quick-fit configuration with 57 mm double o-ring collar.**  
Fit to Plus 3P CX and K DP housings.

## TERMS LEGEND

### Filtration

Filter rate in micron.

### Flow rate

In liters per hour (l/h), the flow rate for ideal filtration using a new cartridge.

### Average life-span

The average working life of the cartridge. Working life depends on the type of application, and on the level of filtration, the cartridge material, the type of maintenance that can be carried out and, especially, depends on the quality of the water being treated. The quality of the water is an extremely variable factor and thus the average life-span is indicated for a mains water supply with average European potable water characteristics.

### Maintenance

Type and frequency of applicable maintenance operations.

## CARTRIDGES RANGE

### Cartridges for sediment filtration

#### FILTRATION IN DEPTH

**FA** - wound polypropylene thread.  
Filtration from 1 to 100 micron.

**FA HOT** - wound polypropylene thread with special inner core, for hot water.  
Filtration from 1 to 100 micron.

**CPP** - melt-blown polypropylene smooth.

**PP** - melt-blown polypropylene grooved.

**GA** - quartzite. Filtration 10 micron.

**TS** - polyester fabric. Filtration 50 micron.

**CS** - special paper. Filtration 25 micron.

**AB** - ceramic. Filtration 0,45 micron.

**AC** - polypropylene-borosilicate multi-layer.  
Filtration 0,2 micron and 0,45 micron.

#### NET FILTRATION - WASHABLE CARTRIDGES

**RL** - polyester net. Filtration 50 micron.

**RL C** - polyester net. Filtration 50 micron.

**RL A** - stainless steel net. Filtration 70 micron.

**RA** - stainless steel net. Filtration 70 micron.

**SA** - stainless steel net. Filtration 50 micron.

**RS** - polyester net. Filtration 50 micron.

## SYMBOLS LEGEND



For domestic use



For technical and industrial use



CB-EC cartridges are the only environmentally friendly carbon block element, made with a proprietary technology reducing green house gas emissions in activated carbon production.



# FA polypropylene wound thread

## WORKING CONDITIONS

Max working temperature        45°C (113°F)  
 Min working temperature        4°C (39,2°F)

## SPECIFICATIONS

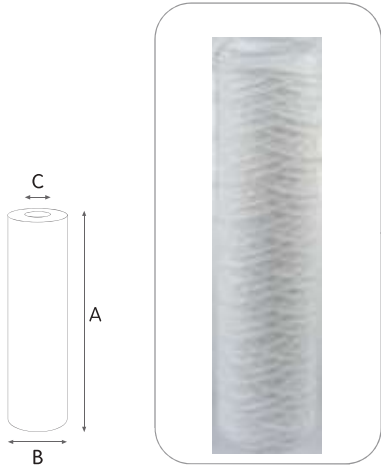
Non-toxic materials, suitable for drinking water.  
 Filter medium: polypropylene thread.  
 Inner core: polypropylene.

**Sediment filtration.**  
**Average life-span:** 3-6 months.  
**Maintenance:** none.

A very wide range of filter cartridges made with polypropylene thread wound on polypropylene or reinforced polypropylene inner core, available in a variety of filter rates, heights, diameters and configurations. Wound thread cartridges are a standard as heavy-duty sediment filter to remove scale, sand, lime, rust and other fines for filtration and pre-filtration in residential, commercial, industrial, municipal and other specialized applications. Atlas Filtri FA wound cartridges are made of uniform and consistent polypropylene thread, strong and homogeneous, which makes a compact cartridge construction resulting in a larger filtration surface with improvement in filtration efficiency and in life-span, with a higher cost/effective ratio as a result. The inner core is made rigid and with particular solutions to achieve the maximum rigidity for every height from 4" to 40". FA cartridges are made to comply with the most stringent regulations for applications in drinking water. Polypropylene is suitable to many industrial applications due to its wide chemical-physical compatibility to a variety of water based solutions

## FA SX

### WOUND POLYPROPYLENE THREAD CARTRIDGES WITH DOUBLE OPEN END (DOE)



CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	RECOMMENDED FLOW RATE l/h	DIMENSIONS MM		
					A	B	C
<b>OD 1,77" x ID 0,71"</b>							
RE5110408	FA MIGNON SX 5 mcr	5" M	5	500	122	45	18
RE5110409	FA MIGNON SX 10 mcr	5" M	10	500	122	45	18
RE5110411	FA MIGNON SX 25 mcr	5" M	25	500	122	45	18
RE5110414	FA MIGNON SX 50 mcr	5" M	50	500	122	45	18
RE5110419	FA MIGNON SX 100 mcr	5" M	100	500	122	45	18
<b>OD 2,20" x ID 1,10"</b>							
RE5125408	FA 10 R SX 5 mcr	10"	5	1500	250	56	28
RE5125409	FA 10 R SX 10 mcr	10"	10	1500	250	56	28
RE5125411	FA 10 R SX 25 mcr	10"	25	1500	250	56	28
RE5125414	FA 10 R SX 50 mcr	10"	50	1500	250	56	28
<b>OD 2,40" x ID 1,10"</b>							
RE5111406	FA 4 SX 1 mcr	4"	1	800	103	61	28
RE5111408	FA 4 SX 5 mcr	4"	5	800	103	61	28
RE5111409	FA 4 SX 10 mcr	4"	10	800	103	61	28
RE5111411	FA 4 SX 25 mcr	4"	25	800	103	61	28
RE5111414	FA 4 SX 50 mcr	4"	50	800	103	61	28
RE5111419	FA 4 SX 100 mcr	4"	100	800	103	61	28
RE5112406	FA 5 SX 1 mcr	5"	1	1000	125	61	28
RE5112408	FA 5 SX 5 mcr	5"	5	1000	125	61	28
RE5112409	FA 5 SX 10 mcr	5"	10	1000	125	61	28
RE5112411	FA 5 SX 25 mcr	5"	25	1000	125	61	28
RE5112414	FA 5 SX 50 mcr	5"	50	1000	125	61	28
RE5112419	FA 5 SX 100 mcr	5"	100	1000	125	61	28
RE5114406	FA 7 SX 1 mcr	7"	1	1400	173	61	28
RE5114408	FA 7 SX 5 mcr	7"	5	1400	173	61	28
RE5114409	FA 7 SX 10 mcr	7"	10	1400	173	61	28
RE5114411	FA 7 SX 25 mcr	7"	25	1400	173	61	28
RE5114414	FA 7 SX 50 mcr	7"	50	1400	173	61	28
RE5114419	FA 7 SX 100 mcr	7"	100	1400	173	61	28
RE5115406	FA 10 SX 1 mcr	10"	1	2000	250	61	28
RE5115408	FA 10 SX 5 mcr	10"	5	2000	250	61	28
RE5115409	FA 10 SX 10 mcr	10"	10	2000	250	61	28
RE5115411	FA 10 SX 25 mcr	10"	25	2000	250	61	28
RE5115414	FA 10 SX 50 mcr	10"	50	2000	250	61	28
RE5115419	FA 10 SX 100 mcr	10"	100	2000	250	61	28
RE5117406	FA 20 SX 1 mcr	20"	1	3000	505	61	28
RE5117408	FA 20 SX 5 mcr	20"	5	3000	505	61	28
RE5117409	FA 20 SX 10 mcr	20"	10	3000	505	61	28
RE5117411	FA 20 SX 25 mcr	20"	25	3000	505	61	28
RE5117414	FA 20 SX 50 mcr	20"	50	3000	505	61	28
RE5117419	FA 20 SX 100 mcr	20"	100	3000	505	61	28
RE5118406	FA 30 SX 1 mcr	30"	1	4000	755	61	28
RE5118408	FA 30 SX 5 mcr	30"	5	4000	755	61	28
RE5118409	FA 30 SX 10 mcr	30"	10	4000	755	61	28
RE5118411	FA 30 SX 25 mcr	30"	25	4000	755	61	28
RE5118414	FA 30 SX 50 mcr	30"	50	4000	755	61	28
RE5118419	FA 30 SX 100 mcr	30"	100	4000	755	61	28
RE5119406	FA 40 SX 1 mcr	40"	1	5000	1015	61	28
RE5119408	FA 40 SX 5 mcr	40"	5	5000	1015	61	28
RE5119409	FA 40 SX 10 mcr	40"	10	5000	1015	61	28
RE5119411	FA 40 SX 25 mcr	40"	25	5000	1015	61	28
RE5119414	FA 40 SX 50 mcr	40"	50	5000	1015	61	28
RE5119419	FA 40 SX 100 mcr	40"	100	5000	1015	61	28

FA cartridges are available in a variety of:

### CONFIGURATIONS:

- SX standard configuration double open end (DOE) available for every height and diameter.
- BX proprietary configuration with double o-ring collar 45 mm, suitable to PLUS 3P BX housings, DP housings, K DP housings.

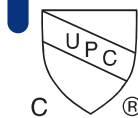
### MODELS:

- FA MIGNON series 5"M, OD 1.77" ID 0.71". SX configuration
- FA-R series 10", OD 2.20", ID 1.10". SX configuration
- FA series from 4" to 40", OD 2.40", ID 1.10". SX, BX configurations

### VARIANTS AVAILABLE ON MINIMUM QUANTITY:

- FA CX with double o-ring collar 57 mm, suitable to PLUS 3P CX, K DP housings.

### CERTIFICATIONS



FA 10 SX 25 mcr and FA 20 SX 25 mcr cartridges are certified by IAPMO RT to NSF/ANSI 42 - Material Safety Only, 61, 372 - lead free, CSA B483.1 - Material Safety Only. In compliance with Drinking Water Treatment Units regulations, USA and CANADA.



FA cartridges are tested and certified under the most stringent procedures worldwide, in compliance with DM 25 (Italy), with the sanitary certification ACS (France), EAC/Ghostreghistracia (Russia) and WaterMark (Australia).

SEDIMENT CARTRIDGES

**Sediment filtration.**  
**Average life-span:** 3-6 months.  
**Maintenance:** none.

**WORKING CONDITIONS**

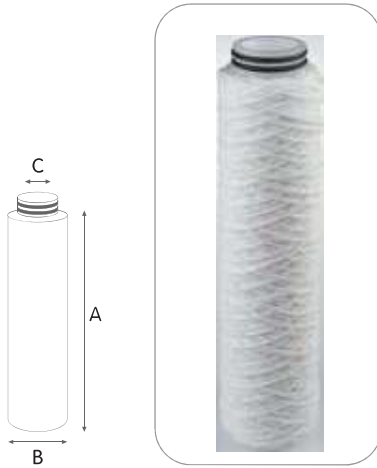
Max working temperature \_\_\_\_\_ 45°C (113°F)  
 Min working temperature \_\_\_\_\_ 4°C (39,2°F)

**SPECIFICATIONS**

Non-toxic materials, suitable for drinking water.  
 Filter medium: polypropylene thread.  
 Inner core: polypropylene.  
 O-rings: EPDM.

**FA BX**

**WOUND POLYPROPYLENE THREAD CARTRIDGES WITH DOUBLE O-RING COLLAR 45 MM**



CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	RECOMMENDED FLOW RATE l/h	DIMENSIONS MM		
					A	B	C
<b>OD 2,40" x ID 1,10"</b>							
RA5112206	FA 5 BX 1 mcr	5"	1	1000	125	61	30
RA5112208	FA 5 BX 5 mcr	5"	5	1000	125	61	30
RA5112209	FA 5 BX 10 mcr	5"	10	1000	125	61	30
RA5112211	FA 5 BX 25 mcr	5"	25	1000	125	61	30
RA5112214	FA 5 BX 50 mcr	5"	50	1000	125	61	30
RA5112219	FA 5 BX 100 mcr	5"	100	1000	125	61	30
RA5114206	FA 7 BX 1 mcr	7"	1	1400	173	61	30
RA5114208	FA 7 BX 5 mcr	7"	5	1400	173	61	30
RA5114209	FA 7 BX 10 mcr	7"	10	1400	173	61	30
RA5114211	FA 7 BX 25 mcr	7"	25	1400	173	61	30
RA5114214	FA 7 BX 50 mcr	7"	50	1400	173	61	30
RA5114219	FA 7 BX 100 mcr	7"	100	1400	173	61	30
RA5115206	FA 10 BX 1 mcr	10"	1	2000	250	61	30
RA5115208	FA 10 BX 5 mcr	10"	5	2000	250	61	30
RA5115209	FA 10 BX 10 mcr	10"	10	2000	250	61	30
RA5115211	FA 10 BX 25 mcr	10"	25	2000	250	61	30
RA5115214	FA 10 BX 50 mcr	10"	50	2000	250	61	30
RA5115219	FA 10 BX 100 mcr	10"	100	2000	250	61	30
RA5117206	FA 20 BX 1 mcr	20"	1	3000	505	61	25
RA5117208	FA 20 BX 5 mcr	20"	5	3000	505	61	25
RA5117209	FA 20 BX 10 mcr	20"	10	3000	505	61	25
RA5117211	FA 20 BX 25 mcr	20"	25	3000	505	61	25
RA5117214	FA 20 BX 50 mcr	20"	50	3000	505	61	25
RA5117219	FA 20 BX 100 mcr	20"	100	3000	505	61	25

- 1 micron —
- 5 micron —
- 10 micron —
- 25 micron —
- 50 micron —
- 100 micron —

**FLOW RATE vs PRESSURE DROP  $\Delta p$**

Tests carried on 10" elements type **FA 10 SX**.  
 Testing mode: 20°C, 3 BAR

