

FILTER CARTRIDGES

water treatment



FILTER CARTRIDGES

SX, BX, CX

Extensive range of filter cartridges for every application in water filtration and water treatment, made with the most appropriate filtering and treatment media.

- **SX cartridges** fit to standard Atlas Filtri SX housings, as well as most standard housings available from the market.
- **Exclusive BX and CX cartridges with double o-ring collar** fit to proprietary Atlas Filtri BX and CX housings, DP housings, K housings, Depural Top housings.

The cartridges standard heights range from 4" to 50", depending on model and configuration.

The standard filter rates range from Ultra-filtration at 0.02 micron to nominal filtration at 100 micron, providing any kind of filtration requirement. The standard treatment media are made from Granular Activated Carbon (GAC), Carbon Block, Polyphosphate, Ionic Exchange Resins.

Custom made heights, filter rates, treatment media are available on request. Atlas Filtri cartridges are manufactured with the finest and most advanced materials under constant focus on innovative processing technologies and ceaseless modernization to ensure the absolute quality of our products.

A wide range of cartridges are certified under the most stringent certification procedures and standards: TIFQ (Italy), ACS (France), GOST (Russia).

Dedicated accessories are available on demand: FilterFit, centering device which holds cartridges perfectly standing inside DP housings; Containing Sponge, designed to hold in place treatment media for the filling of P type empty cartridges (containers).

CARTRIDGES CONFIGURATION

FOR FILTERS SX, BX, CX

Atlas Filtri® cartridges 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, AX, 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 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 Plus 3P 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.

CERTIFICATIONS



The products are tested and certified under the most stringent procedures worldwide, achieving the **sanitary certification GOST (Russia)**.

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.

WATER TREATMENT PRODUCTS BULKS

Polyphosphate crystals 10/20

- 0,5 Kg pack
- 1,5 Kg pack
- 25 kg pack

Polyphosphate crystals 6/10

- 0,5 Kg pack
- 1,5 Kg pack
- 25 kg pack

Granular activated carbon

- 0,3 kg pack
- 20 kg pack

Strong cationic resin (softening)

- 25 litres pack

Strong anionic resin (anti-nitrates)

- 25 litres pack

Mixed bed resin (demineralisation)

- 25 litres pack

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.

CARTRIDGES RANGE

Cartridges for mechanical filtration

WASHABLE CARTRIDGES

- RL** - polyester net. Filtration 50 micron.
- RL C** - polyester net. Filtration 50 micron.
- RL A** - stainless steel net. Filtration 70 micron.
- RS** - polyester net. Filtration 50 micron.
- RA** - stainless steel net. Filtration 70 micron.
- SA** - stainless steel net. Filtration 50 micron.

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.
- TS** - polyester fabric. Filtration 50 micron.
- CS** - special paper. Filtration 25 micron.
- GA** - quartzite. Filtration 10 micron.
- AB** - ceramic. Filtration 0,45 micron.
- AC** - polypropylene-borosilicate multi-layer. Filtration 0,2 micron and 0,45 micron.

Cartridges for water treatment

GRANULAR ACTIVATED CARBON

Reduction of chlorine, taste, odour (CTO); volatile organic compounds (VOC) pesticides, insecticides, chlorinated organic compounds.

GRANULAR ACTIVATED CARBON

LA - granular activated carbon from coconut shell.

GRANULAR ACTIVATED CARBON AND FILTER MEDIUM

FA-CA - wound polypropylene thread. Filtration from 5 to 100 micron. Granular activated carbon from coconut shell.

CA - melt-blown polypropylene. Filtration 25 micron. Granular activated carbon from coconut shell.

BT CPP LA - melt-blown polypropylene. Filtration from 1 to 50 micron. Granular activated carbon from coconut shell.

ACTIVATED CARBON BLOCK

Reduction of chlorine, taste, odour (CTO); volatile organic compounds (VOC) pesticides, insecticides, chlorinated organic compounds, heavy metals (Pb), bacteria and virus.

CA SE - activated carbon block from coconut shell. Filtration from 0,3 to 5 micron.

CA-SE HF - activated carbon block from coconut shell and hollow-fiber membranes. Filtration 0,15 and 0.02 micron. Antibacterial.

CB-EC - activated carbon block from coconut shell. Filtration from 1 to 10 micron.

POLYPHOSPHATE CRYSTALS

Anti-scale treatment

HA - polyphosphate crystals suitable for drinking water when used with Dosaprop proportional dosing systems, in compliance with UE Directive 80/778.

BT CPP HA - melt-blown polypropylene. Filtration from 1 to 50 micron. Polyphosphate crystals suitable for drinking water when used with Dosaprop proportional dosing systems, in compliance with UE Directive 98/83/CE.

BT RL HA - polyester net. Filtration 50 micron. Polyphosphate crystals suitable for drinking water when used with Dosaprop proportional dosing systems, in compliance with UE Directive 98/83/CE.

FA HA - wound polypropylene thread. Filtration from 5 to 100 micron. Polyphosphate crystals suitable for drinking water when used with Dosaprop proportional dosing systems, in compliance with UE Directive 98/83/CE.

CPP HA - melt-blown polypropylene. Filtration 5 and 25 micron. Polyphosphate crystals suitable for drinking water when used with Dosaprop proportional dosing systems, in compliance with UE Directive 98/83/CE.

IONIC EXCHANGE RESINS

QA CF - cationic resin. Reduction of total hardness.

QA AF - anionic resin. Reduction of nitrates.

QA LM - mixed bed of cationic and anionic resins. Demineralization.

EMPTY CONTAINERS

P - containers to be filled up with water treatment products.



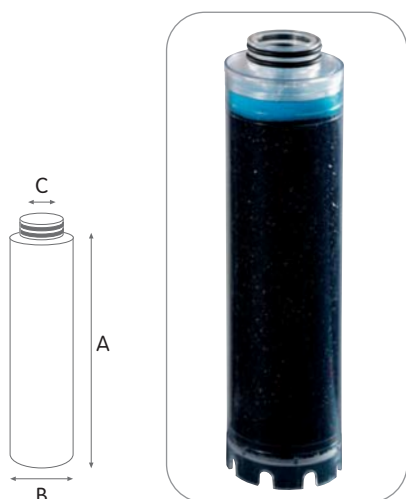
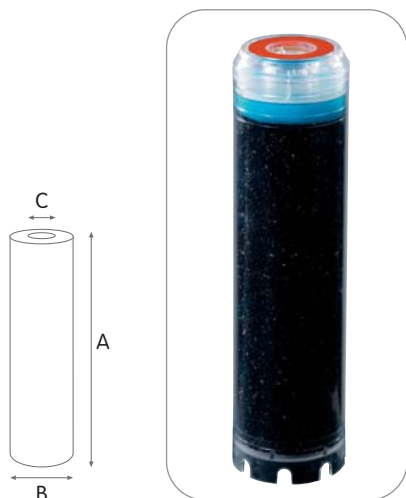
LA granular activated carbon (GAC)

Reduction of: chlorine, taste, odour (CTO); volatile organic compounds (VOC).

Average life-span: 3 months.

Maintenance: none.

Remark - Use a pre-filter to protect the cartridge.



LA 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 PLUS 3P housings.

MODELS:

- LA MIGNON series 5"M OD 1.77" ID 0.71, SX configuration.
- LA series from 5" to 20" OD 2.40" ID 1.10", SX, BX configurations.

Variants available on minimum quantity:

- LA-Ag models with silver impregnated coconut GAC for bacteriostatic effect.

CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

LA cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Container, end cap and grid: polystyrene.

Flat seal SX: SEBS. O-rings BX: EPDM.

Containing sponge: polyurethane.

Treatment material: granular activated carbon from coconut shell.

Plastic container filled with GAC, made from coconut shell for the reduction of chlorine, taste, odour (CTO) and volatile organic compounds (VOC), designed to provide the highest contact time of the water through the whole GAC bed. LA cartridges are available with height from 5" to 20".

LA SX

GRANULAR ACTIVATED CARBON WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
				A	B	C
OD 1,77" x ID 0,71"						
RA5180125	LA MIGNON SX	5" M	150	125	50	21
OD 2,40" x ID 1,10"						
RA5182125	LA 5 SX	5"	200	128	70	28
RA5184125	LA 7 SX	7"	300	176	70	28
RA5185125	LA 10 SX	10"	500	252	70	28
RA5187125	LA 20 SX	20"	750	510	70	28

LA BX

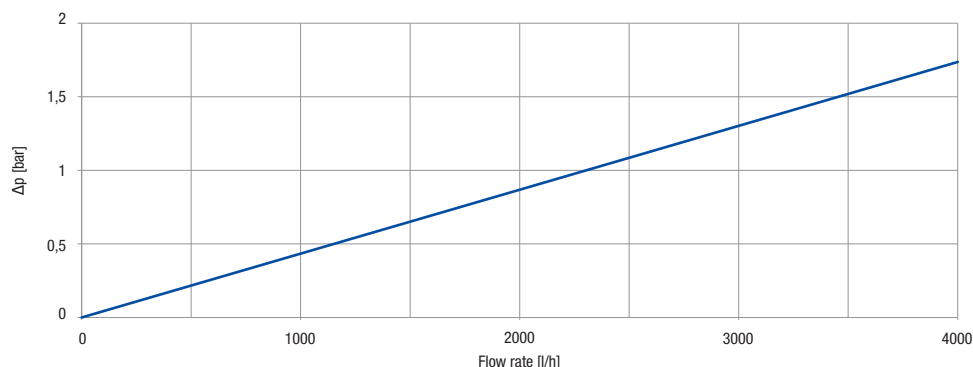
GRANULAR ACTIVATED CARBON WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
				A	B	C
OD 2,40" x ID 1,10"						
RA5182225	LA 5 BX	5"	200	127	70	25
RA5184225	LA 7 BX	7"	300	183	70	25
RA5185225	LA 10 BX	10"	500	252	70	25
RA5187225	LA 20 BX	20"	750	510	70	25

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type **LA 10 SX**.

Testing mode: 20°C, 3 BAR



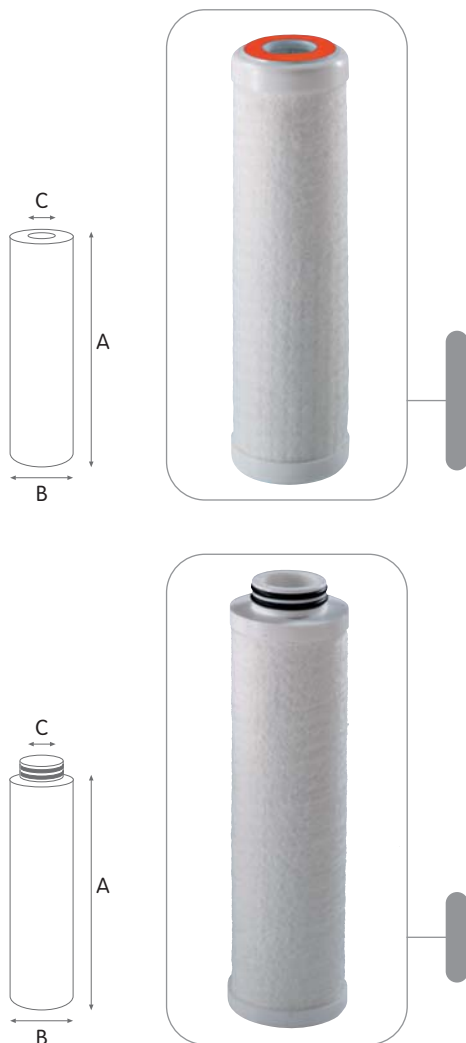


CA melt-blown polypropylene and granular activated carbon (GAC)

Sediment filtration and reduction of: chlorine, taste, odour (CTO); volatile organic compounds (VOC).

Average life-span: 3 months.

Maintenance: none.



WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

SPECIFICATIONS

Non toxic materials, suitable for drinking water.

Filter medium: polypropylene.

End caps and grids: polypropylene.

Flat seals SX: SEBS. O-rings BX: EPDM.

Treatment material: granular activated carbon from coconut shell.

Melt-blown polypropylene filter cartridge filled with GAC, made from coconut shell for the reduction of chlorine, taste, odour (CTO) and volatile organic compounds (VOC) providing pre-filtration at 25 micron. CA cartridges are available with height from 4" to 20".

CA SX

MELT BLOWN AND GRANULAR ACTIVATED CARBON WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 1,77" x ID 0,71"							
RA5090111	CA MIGNON SX 25 mcr	5" M	25	150	106	50	18
OD 2,40" x ID 1,10"							
RA5091111	CA 4 SX 25 mcr	4"	25	200	106	70	30
RA5092111	CA 5 SX 25 mcr	5"	25	300	125	70	30
RA5094111	CA 7 SX 25 mcr	7"	25	450	173	70	30
RA5095111	CA 10 SX 25 mcr	10"	25	600	250	70	30
RA5097111	CA 20 SX 25 mcr	20"	25	1200	505	70	30

CA BX

MELT BLOWN AND GRANULAR ACTIVATED CARBON WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RA5092211	CA 5 BX 25 mcr	5"	25	300	125	70	30
RA5094211	CA 7 BX 25 mcr	7"	25	450	173	70	30
RA5095211	CA 10 BX 25 mcr	10"	25	600	250	70	30
RA5097211	CA 20 BX 25 mcr	20"	25	1200	505	70	30

CA 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 PLUS 3P housings.

MODELS:

- CA MIGNON series 5"M OD 1.77" ID 0.71, SX configuration.
- CA series from 5" to 20" OD 2.40" ID 1.10", SX, BX configurations.

Variants available on minimum quantity:

- CA-Ag models with silver impregnated coconut GAC for bacteriostatic effect.
- Filter rates at 5, 10, 50 micron.

CERTIFICATIONS

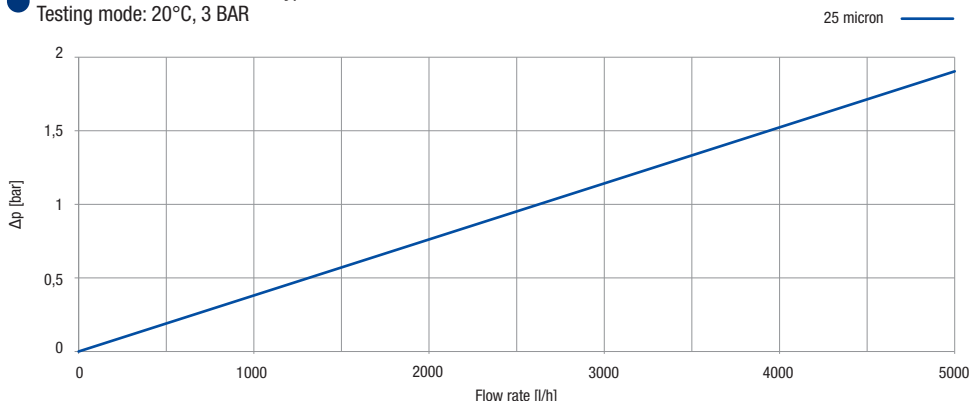
in compliance with
italian regulation
D.M. 174/2004

CA cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type **CA 10 SX**.

Testing mode: 20°C, 3 BAR



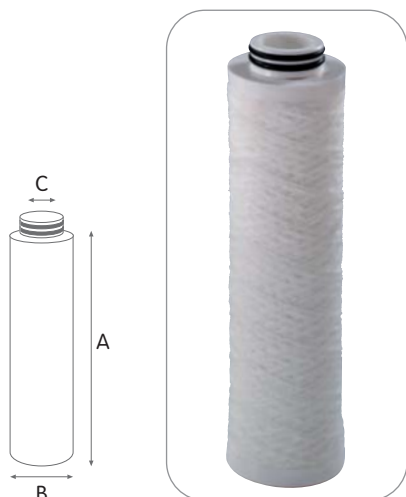
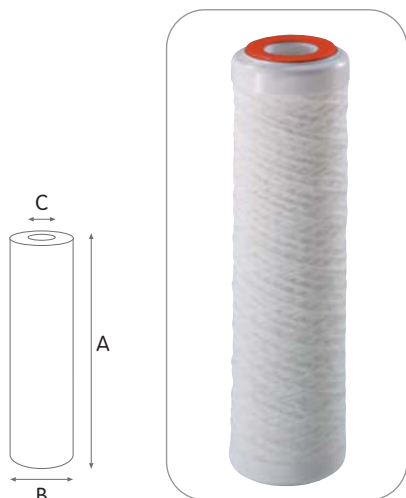


FA CA wound polypropylene thread and granular activated carbon (GAC)

Sediment filtration and reduction of: chlorine, taste, odour (CTO); volatile organic compounds (VOC).

Average life-span: 3 months.

Maintenance: none.



FA-CA 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 PLUS 3P housings.

MODELS:

- FA-CA series from 5" to 20" OD 2.40" ID 1.10", SX, BX configurations.

Variants available on minimum quantity:

- FA-CA-Ag models with silver impregnated coconut GAC for bacteriostatic effect.

CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

FA CA cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

SPECIFICATIONS

Non toxic materials, suitable for drinking water.

Filtrating medium: polypropylene.

End caps and grids: polypropylene.

Flat seals SX: SEBS. O-rings BX: EPDM.

Treatment material: granular activated carbon from coconut shell.

Wound polypropylene filter cartridge filled with GAC, made from coconut shell for the reduction of chlorine, taste, odour (CTO) and volatile organic compounds (VOC) providing pre-filtration at 5, 10, 25 and 50 micron. CA cartridges are available with height from 5" to 20".

FA CA SX

WOUND POLYPROPYLENE THREAD AND GRANULAR ACTIVATED CARBON WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RA5653108	FA 5 CA SX 5 mcr	5"	5	300	125	70	30
RA5653109	FA 5 CA SX 10 mcr	5"	10	300	125	70	30
RA5653111	FA 5 CA SX 25 mcr	5"	25	300	125	70	30
RA5653114	FA 5 CA SX 50 mcr	5"	50	300	125	70	30
RA5653119	FA 5 CA SX 100 mcr	5"	100	300	125	70	30
RA5654108	FA 7 CA SX 5 mcr	7"	5	450	173	70	30
RA5654109	FA 7 CA SX 10 mcr	7"	10	450	173	70	30
RA5654111	FA 7 CA SX 25 mcr	7"	25	450	173	70	30
RA5654114	FA 7 CA SX 50 mcr	7"	50	450	173	70	30
RA5654119	FA 7 CA SX 100 mcr	7"	100	450	173	70	30
RA5655108	FA 10 CA SX 5 mcr	10"	5	600	250	70	30
RA5655109	FA 10 CA SX 10 mcr	10"	10	600	250	70	30
RA5655111	FA 10 CA SX 25 mcr	10"	25	600	250	70	30
RA5655114	FA 10 CA SX 50 mcr	10"	50	600	250	70	30
RA5655119	FA 10 CA SX 100 mcr	10"	100	600	250	70	30

FA CA BX

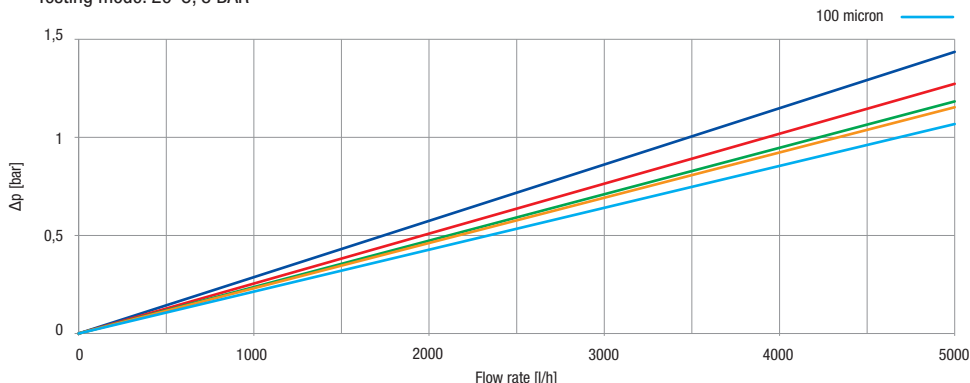
WOUND POLYPROPYLENE THREAD AND GRANULAR ACTIVATED CARBON WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL	NOMINAL	NOMINAL	DIMENSIONS MM		
		HEIGHT	FILTRATION MICRON	FLOW/RATE l/h	A	B	C
OD 2,40" x ID 1,10"							
RA5653208	FA 5 CA BX 5 mcr	5"	5	300	125	70	30
RA5653209	FA 5 CA BX 10 mcr	5"	10	300	125	70	30
RA5653211	FA 5 CA BX 25 mcr	5"	25	300	125	70	30
RA5653214	FA 5 CA BX 50 mcr	5"	50	300	125	70	30
RA5653219	FA 5 CA BX 100 mcr	5"	100	300	125	70	30
RA5654208	FA 7 CA BX 5 mcr	7"	5	450	173	70	30
RA5654209	FA 7 CA BX 10 mcr	7"	10	450	173	70	30
RA5654211	FA 7 CA BX 25 mcr	7"	25	450	173	70	30
RA5654214	FA 7 CA BX 50 mcr	7"	50	450	173	70	30
RA5654219	FA 7 CA BX 100 mcr	7"	100	450	173	70	30
RA5655208	FA 10 CA BX 5 mcr	10"	5	600	250	70	30
RA5655209	FA 10 CA BX 10 mcr	10"	10	600	250	70	30
RA5655211	FA 10 CA BX 25 mcr	10"	25	600	250	70	30
RA5655214	FA 10 CA BX 50 mcr	10"	50	600	250	70	30
RA5655219	FA 10 CA BX 100 mcr	10"	100	600	250	70	30

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type FA CA 10 SX.

Testing mode: 20°C, 3 BAR



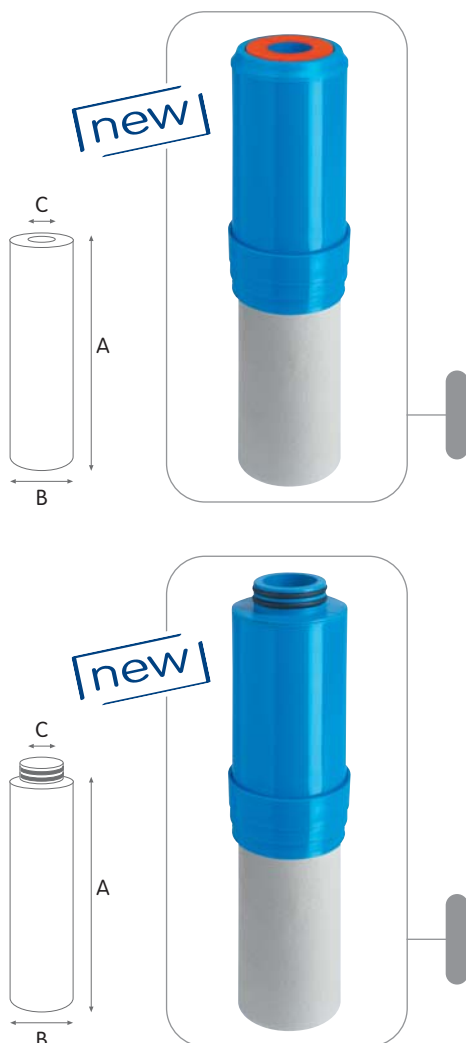


BT CPP LA melt-blown polypropylene and granular activated carbon (GAC)

Sediment filtration and reduction of: chlorine, taste, odour (CTO); volatile organic compounds (VOC).

Average life-span: 3 months.

Maintenance: none.



WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Filter medium: polypropylene.

Container, end cap and grid: polypropylene.

Flat seal SX: SEBS. O-rings BX: EPDM.

Treatment material: granular activated carbon from coconut shell.

Cartridges combining a pre-filter element made from melt-blown polypropylene and a plastic container filled with GAC, made from coconut shell, designed to provide fine sediment filtration at 5, 10, 25 and 50 micron and high contact time of the water through the whole GAC bed for the reduction of chlorine, taste, odour (CTO) and volatile organic compounds (VOC). BT CPP LA cartridges are available with height 10" and 20".

BT CPP LA SX

MELT BLOWN AND GRANULAR ACTIVATED CARBON WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RA5785308	BT CPP LA 10 SX AB 5 mcr	10"	5	500	252	72	28
RA5785311	BT CPP LA 10 SX AB 25 mcr	10"	25	500	252	72	28
RA5787308	BT CPP LA 20 SX AB 5 mcr	20"	5	750	510	72	28
RA5787311	BT CPP LA 20 SX AB 25 mcr	20"	25	750	510	72	28

BT CPP LA BX

MELT BLOWN AND GRANULAR ACTIVATED CARBON WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RA5785328	BT CPP LA 10 BX AB 5 mcr	10"	5	500	252	72	25
RA5785321	BT CPP LA 10 BX AB 25 mcr	10"	25	500	252	72	25
RA5787328	BT CPP LA 20 BX AB 5 mcr	20"	5	750	510	72	25
RA5787321	BT CPP LA 20 BX AB 25 mcr	20"	25	750	510	72	25

BT CPP LA 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 PLUS 3P housings.

MODELS:

- BT CPP LA series 10" and 20" OD 2.40" ID 1.10", SX, BX configurations.

Variants available on minimum quantity:

- BT CPP LA AG models with silver impregnated coconut GAC for bacteriostatic effect.

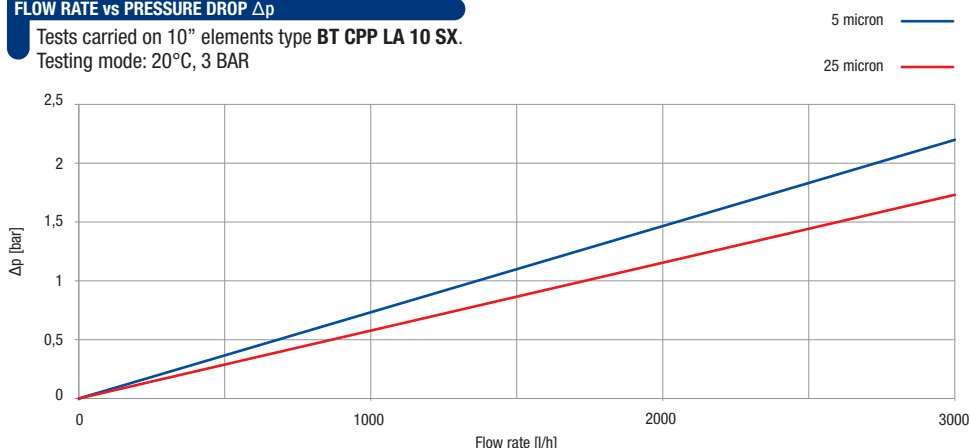
CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

BT CPP LA cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

FLOW RATE vs PRESSURE DROP Δp

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



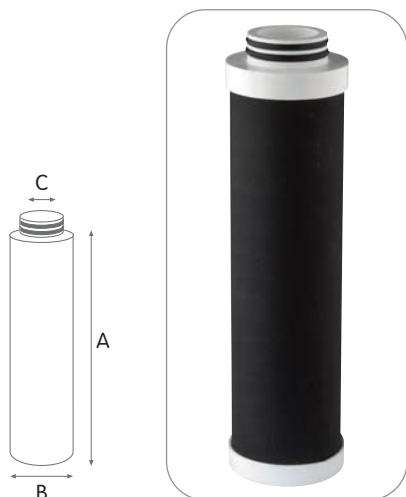
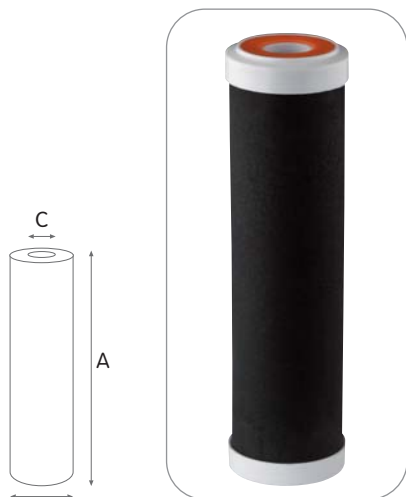


CA SE carbon block

Fine sediment filtration and reduction of: chlorine, taste, odour (CTO); volatile organic compounds (VOC); heavy metals (Pb models).

Average life-span: 3-6 months.

Maintenance: none.



CA-SE 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 PLUS 3P housings.

MODELS:

- CA-SE series from 4" to 10" OD 2.40" ID 1.10", SX, BX configurations.

Variants available on minimum quantity:

- CA-SE models 20".

CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

CA SE cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Filter and treatment medium: sintered block of activated carbon powder.

End caps: polypropylene.

Flat seals SX: SEBS.

O-rings BX: EPDM.

Activated carbon block made from coconut shell, providing fine sediment filtration and reduction of chlorine, taste, odour (CTO) and volatile organic compounds (VOC). Silver impregnated models for bacteriostatic effect with filtration at 0.3 micron. PB models providing heavy metal reduction with filtration at 1 micron. Cartridges available from 4" to 10".

CA SE SX

CARBON BLOCK SILVER IMPREGNATED WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL	NOMINAL	NOMINAL	DIMENSIONS MM		
		HEIGHT	FILTRATION MICRON	FLOW/RATE l/h	A	B	C
OD 2,40" x ID 1,10"							
RE5371100	CA 4 SE SX 0,3 mcr	4"	0,3	120	98	67	25
RE5372300	CA 5 SE SX 0,3 mcr	5"	0,3	150	124	67	25
RE5374500	CA 7 SE SX 0,3 mcr	7"	0,3	210	173	67	25
RE5375615	CA 10 SE SX 0,3 mcr	10"	0,3	300	248	67	25

CARBON BLOCK Pb WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL	NOMINAL	NOMINAL	DIMENSIONS MM		
		HEIGHT	FILTRATION MICRON	FLOW/RATE l/h	A	B	C
OD 2,40" x ID 1,10"							
RE5371105	CA 4 SE Pb SX 1 mcr	4"	1	200	98	67	25
RE5372105	CA 5 SE Pb SX 1 mcr	5"	1	250	124	67	25
RE5374105	CA 7 SE Pb SX 1 mcr	7"	1	350	173	67	25
RE5375105	CA 10 SE Pb SX 1 mcr	10"	1	500	248	67	25

CA SE BX

CARBON BLOCK SILVER IMPREGNATED WITH DOUBLE O-RING COLLAR 45 MM

CODE	MODEL	NOMINAL	NOMINAL	NOMINAL	DIMENSIONS MM		
		HEIGHT	FILTRATION MICRON	FLOW/RATE l/h	A	B	C
OD 2,40" x ID 1,10"							
RE5372200	CA 5 SE BX 0,3 mcr	5"	0,3	150	124	67	25
RE5374200	CA 7 SE BX 0,3 mcr	7"	0,3	210	173	67	25
RE5375625	CA 10 SE BX 0,3 mcr	10"	0,3	300	248	67	25

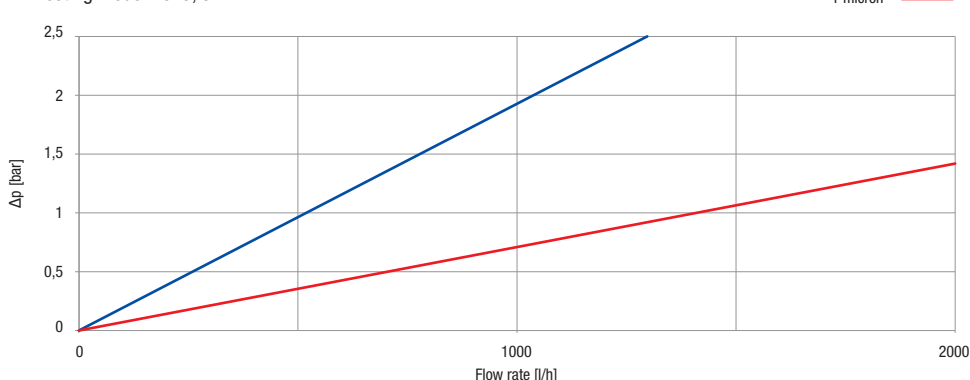
CARBON BLOCK Pb WITH DOUBLE O-RING COLLAR 45 MM

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RE5372205	CA 5 SE Pb BX 1 mcr	5"	1	250	124	67	25
RE5374205	CA 7 SE Pb BX 1 mcr	7"	1	350	173	67	25
RE5375205	CA 10 SE Pb BX 1 mcr	10"	1	500	248	67	25

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type **CA SE 10 SX**.

Testing mode: 20°C, 3 BAR





CA-SE HF carbon block and hollow-fibre membranes

Micro-filtration and Ultra-filtration of fine sediments, removal of microbes, reduction of: chlorine, taste, odour (CTO); volatile organic compounds (VOC); heavy metals (Pb models).

Average life-span: 3-6 months.

Maintenance: none.

Remark - Use a pre-filter to protect the cartridge.

WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Filter and treatment medium: sintered block of activated carbon powder.

Micro and Ultra-filtration membranes: polyethersulphone (PES), HF tube high impact polystyrene (HIPS).

End caps: polypropylene.

Flat seals SX: SEBS. O-rings BX: EPDM.

Activated carbon block made from coconut shell, providing fine sediment filtration and reduction of chlorine, taste, odour (CTO) and volatile organic compounds (VOC) provided with hollow-fibre membrane module for Micro-filtration at 0.15 micron or Ultra-filtration at 0.02 micron.

CE-SE-HF models at 0.15 micron remove the finest sediments and major part of harmful Bacteria (E. coli, Salmonella, V.cholerae, Legionella, Pseudomonas) and protozoan Cysts (Giardia, Cryptosporidium). CE-SE-HF U models at 0.02 micron remove Bacteria and Virus. All CA SE HF models are available with height 10".

CA-SE HF BX

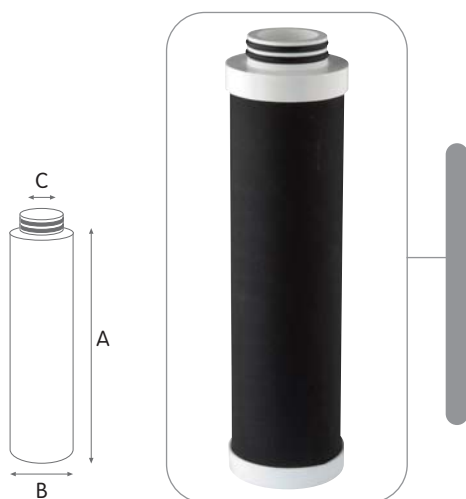
CARBON BLOCK WITH HOLLOW FIBRES WITH DOUBLE O-RING COLLAR 45 MM

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RE5375530	CA-SE 10 HF-U BX 0,02 mcr	10"	0,02	100	248	67	25
RE5375520	CA-SE 10 HF BX 0,15 mcr	10"	0,15	120	248	67	25

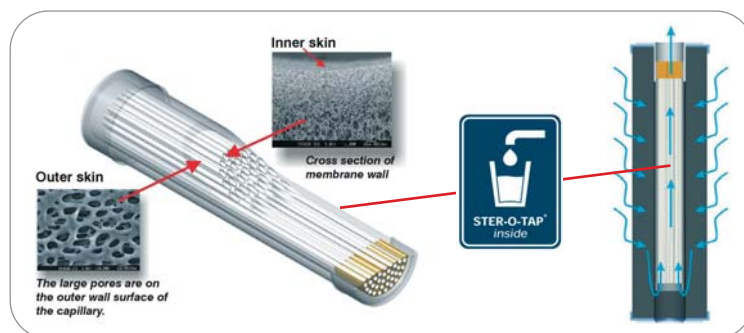
CA-SE HF Pb BX

CARBON BLOCK WITH HOLLOW FIBRES WITH DOUBLE O-RING COLLAR 45 MM

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RE5375550	CA-SE 10 HF-U Pb BX 0,02 mcr	10"	0,02	100	248	67	25
RE5375540	CA-SE 10 HF Pb BX 0,15 mcr	10"	0,15	120	248	67	25



The inner "Ster-O-Tap®" element (NSF 42 and 53 listed) with "hollow-fibre" capillary membranes is made in 2 models to provide Micro-filtration at 0.15 micron (tested against Brevimundimonas (Pseudomonas) diminuta) or Ultra-filtration at 0.02 micron. The hollow fibre membranes element is designed to provide a very large contact surface, resulting in high water flow and low pressure drop at stated filter rates.



CA-SE HF 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 PLUS 3P housings.

MODELS:

- CA-SE HF series 10" to 10" OD 2.40" ID 1.10", SX, BX configurations.

Variants available on demand:

- CA-SE HF SX models 10".

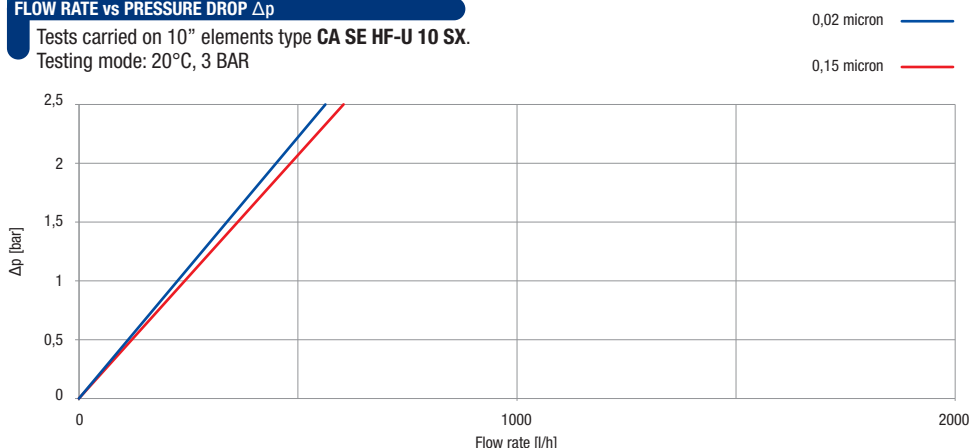
CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

CA-SE HF cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type CA SE HF-U 10 SX.
Testing mode: 20°C, 3 BAR





CB-EC carbon block with outer protection sheet

Fine sediment filtration and reduction of: chlorine, taste, odour (CTO); volatile organic compounds (VOC); heavy metals (Pb models).

Average life-span: 3-6 months.

Maintenance: none.

WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Filter medium: sintered block made from coconut shell activated carbon powder.

End caps, netting and outer protection sheet: polypropylene.

Flat seals: NBR.

CB-EC are carbon block cartridges "environmentally friendly" manufactured, made with a proprietary technology reducing green-house gas emission in activated carbon production. Activated carbon block made from coconut shell, providing fine sediment filtration and reduction of chlorine, taste, odour (CTO), volatile organic compounds (VOC), heavy metal reduction (Pb) and filtration of protozoan (Giardia, Cryptosporidium) Cyst. CB-EC Cartridges are available from 5" to 20".

CB-EC SX

CARBON BLOCK CYST WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RE5392106	CB-EC CYST 5 SX 1 mcr	5"	1	110	124	70	26
RE5394106	CB-EC CYST 7 SX 1 mcr	7"	1	160	173	70	26
RE5395106	CB-EC CYST 10 SX 1 mcr	10"	1	230	248	70	26
RE5397106	CB-EC CYST 20 SX 1 mcr	20"	1	450	504	70	26

CARBON BLOCK BP WITH DOUBLE OPEN END (DOE)

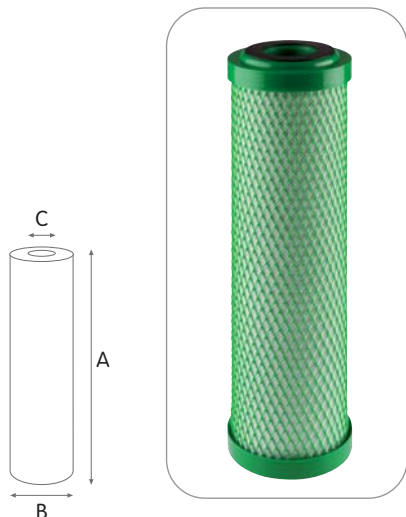
CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RE5392306	CB-EC Pb 5 SX 1 mcr	5"	1	110	124	70	26
RE5394306	CB-EC Pb 7 SX 1 mcr	7"	1	160	173	70	26
RE5395306	CB-EC Pb 10 SX 1 mcr	10"	1	230	248	70	26
RE5397306	CB-EC Pb 20 SX 1 mcr	20"	1	450	504	70	26

CARBON BLOCK VOC WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RE5392108	CB-EC VOC 5 SX 5 mcr	5"	5	110	124	70	26
RE5394108	CB-EC VOC 7 SX 5 mcr	7"	5	160	173	70	26
RE5395108	CB-EC VOC 10 SX 5 mcr	10"	5	230	248	70	26
RE5397108	CB-EC VOC 20 SX 5 mcr	20"	5	450	504	70	26

CARBON BLOCK CTO WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RE5392109	CB-EC CTO 5 SX 10 mcr	5"	10	110	124	70	26
RE5394109	CB-EC CTO 7 SX 10 mcr	7"	10	160	173	70	26
RE5395109	CB-EC CTO 10 SX 10 mcr	10"	10	230	248	70	26
RE5397109	CB-EC CTO 20 SX 10 mcr	20"	10	450	504	70	26



CB-EC cartridges are available in a variety of:

CONFIGURATIONS:

- SX standard configuration double open end (DOE) available for every height and diameter.

MODELS:

- CB-EC series from 5" to 20" OD 2.40" ID 1.10" SX configuration.
- CB-EC BIG series 10" and 20" OD 4.25" ID 1.10" SX configuration.

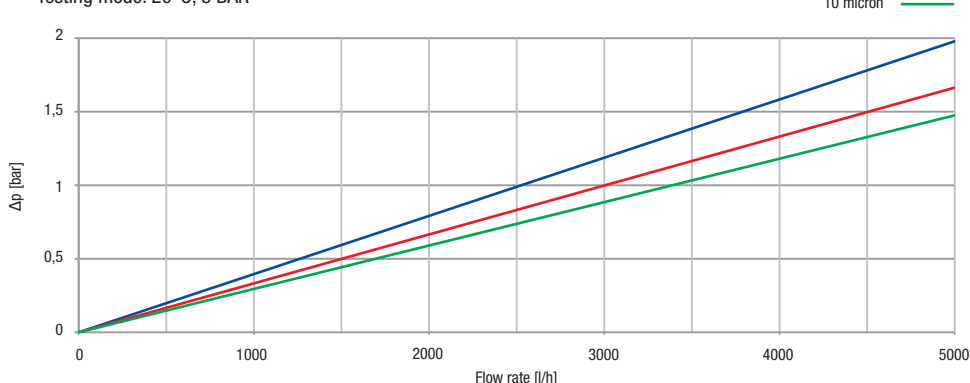
CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

CB-EC cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

FLOW RATE vs PRESSURE DROP Δp

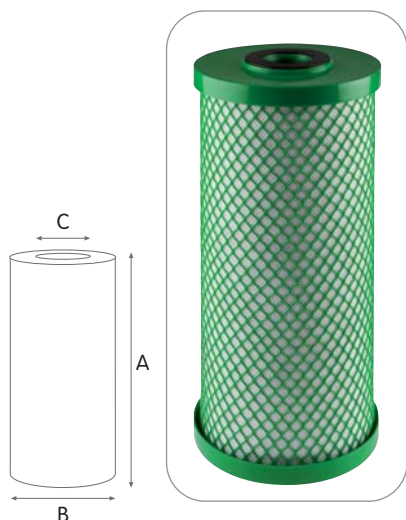
Tests carried on 10" elements type **CB-EC 10 SX**.
Testing mode: 20°C, 3 BAR



Fine sediment filtration and reduction of: chlorine, taste, odour (CTO); volatile organic compounds (VOC); heavy metals (Pb models).

Average life-span: 3-6 months.

Maintenance: none.



WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Filter medium: sintered block made from coconut shell activated carbon powder.

End caps, netting and outer protection sheet: polypropylene.

Flat seals: NBR.

CB-EC BIG SX

CARBON BLOCK CYST WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 4,25" x ID 1,10"							
RE5395506	CB-EC CYST 10 BIG 1 mcr	10"	1	680	250	114	26
RE5397506	CB-EC CYST 20 BIG 1 mcr	20"	1	1600	508	114	26

CARBON BLOCK BP WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 4,25" x ID 1,10"							
RE5395606	CB-EC Pb 10 BIG SX 1 mcr	10"	1	680	250	114	26
RE5397606	CB-EC Pb 20 BIG SX 1 mcr	20"	1	1600	508	114	26

CARBON BLOCK VOC WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 4,25" x ID 1,10"							
RE5395508	CB-EC VOC 10 BIG 5 mcr	10"	5	680	250	114	26
RE5397508	CB-EC VOC 20 BIG 5 mcr	20"	5	1600	508	114	26

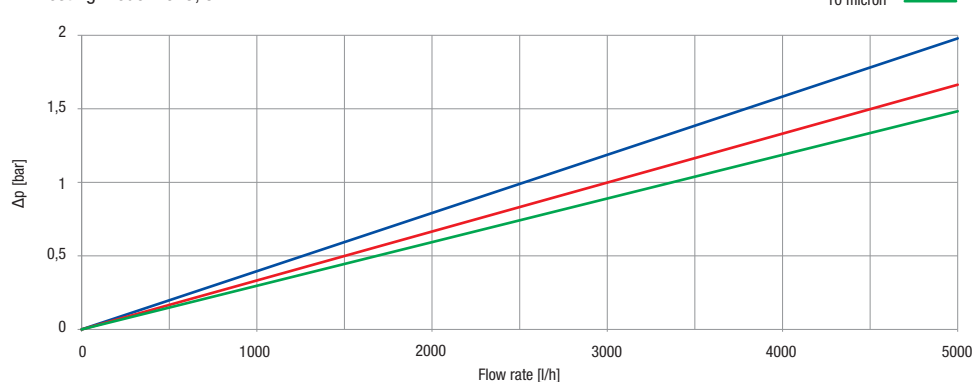
CARBON BLOCK CTO WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 4,25" x ID 1,10"							
RE5395509	CB-EC CTO 10 BIG 10 mcr	10"	10	680	250	114	26
RE5397509	CB-EC CTO 20 BIG 10 mcr	20"	10	1600	508	114	26

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type **CB-EC BIG 10 SX**.

Testing mode: 20°C, 3 BAR





HA polyphosphate crystals

Anti-scale and anti-corrosion conditioning.

Max life-span: 6 months.

Maintenance: none.

Remark - Use a pre-filter to protect the cartridge.

WORKING CONDITIONS

Max working temperature _____ 35°C (95°F)

Max total hardness _____ 50°f (500 ppm CaCO₃)

Remark - the treated water can be heated up to 75°C - 80°C, above that temperature the polyphosphate loses gradually its effectiveness.

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

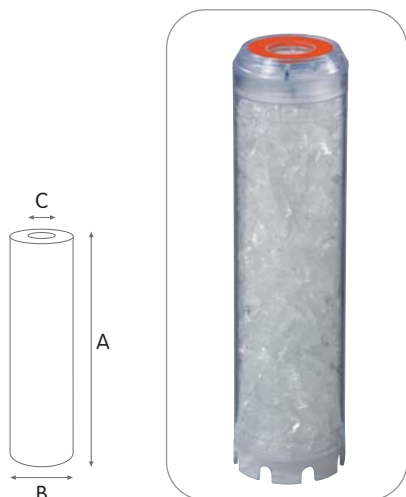
Container, end cap and grid: polystyrene.

Flat seal SX: SEBS.

O-rings BX: EPDM.

Treatment material: polyphosphate crystals

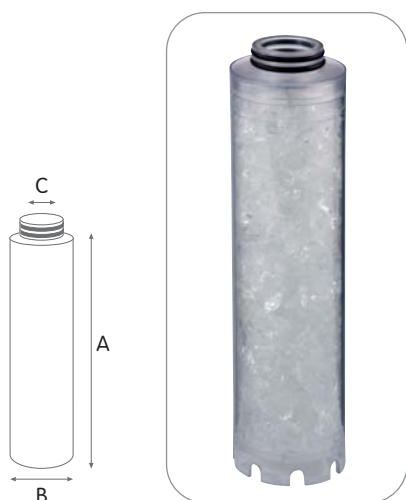
Plastic container filled with polyphosphate crystals for anti-scale water conditioning providing prevention form scale deposit and calcareous incrustation and protection from corrosion for water heaters, washing machines, pipes. The use in combination with Atlas Filtri proportional dosing systems DOSAPROP comply with EU Directive 98/83/CE for the use in drinking water. The use with non-proportional dosing systems DOSAFOS is recommended for non-drinking purposes only. HA cartridges are available with height from 5" to 20".



HA SX

POLIPHOSPHATE CARTRIDGES WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
				A	B	C
OD 1,77" x ID 0,71"						
RA5190125	HA MIGNON SX	5" M	500	125	50	21
OD 2,40" x ID 1,10"						
RA5192125	HA 5 SX TS	5"	800	128	70	28
RA5194125	HA 7 SX TS	7"	1000	176	70	28
RA5195125	HA 10 SX TS	10"	1500	252	70	28
RA5197125	HA 20 SX TS	20"	1800	510	70	28



HA BX

POLIPHOSPHATE CARTRIDGES WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
				A	B	C
OD 2,40" x ID 1,10"						
RA5192225	HA 5 BX	5"	800	127	70	25
RA5194225	HA 7 BX	7"	1000	183	70	25
RA5195225	HA 10 BX	10"	1500	252	70	25
RA5197225	HA 20 BX	20"	1800	510	70	25

HA 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 PLUS 3P housings.

MODELS:

- HA MIGNON series 5"M OD 1.77" ID 0.71, SX configuration.
- HA series from 5" to 20" OD 2.40" ID 1.10", SX, BX configurations.

CERTIFICATIONS

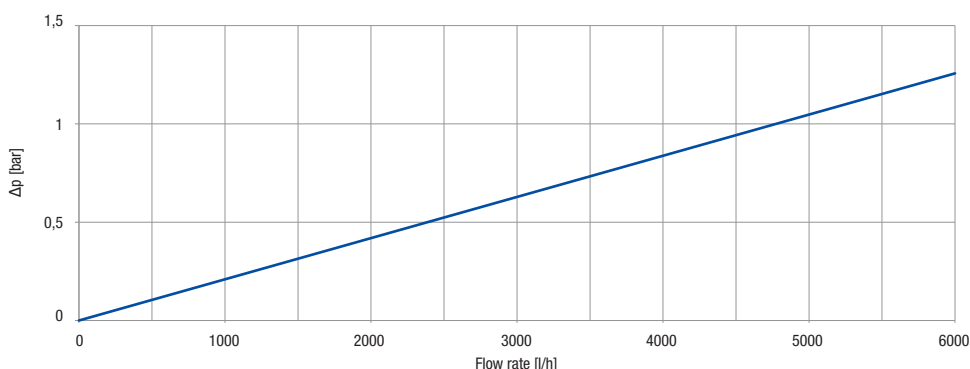
in compliance with
italian regulation
D.M. 174/2004

HA cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type **HA 10 SX**.

Testing mode: 20°C, 3 BAR





BT CPP HA melt-blown polypropylene and polyphosphate crystals

Sediment filtration, anti-scale and anti-corrosion conditioning.

Max life-span: 6 months.

Maintenance: none.

WORKING CONDITIONS

Max working temperature _____ 35°C (95°F)

Max total hardness _____ 50°f (500 ppm CaCO₃)

Remark - the treated water can be heated up to 75°C - 80°C, above that temperature the polyphosphate loses gradually its effectiveness.

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

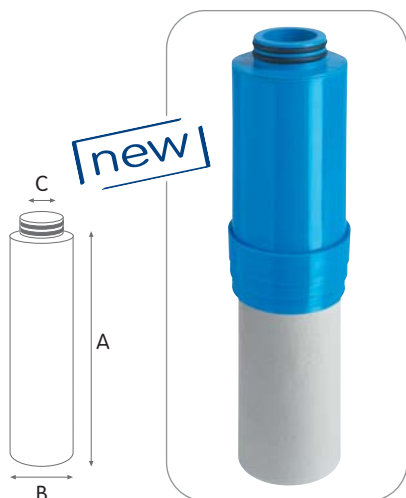
Filter medium: polypropylene.

Container, end cap and grid: polystyrene.

Flat seal SX: SEBS. O-rings BX: EPDM.

Treatment material: polyphosphate crystals

Cartridges combining a pre-filter element made from melt-blown polypropylene and a plastic container filled with polyphosphate crystals for anti-scale water conditioning providing fine sediment pre-filtration at 5, 10, 25 and 50 micron and high contact time of the water through the whole polyphosphate bed for the prevention from scale deposit and calcareous incrustation and protection from corrosion for water heaters, washing machines, pipes. BT CPP HA cartridges are available with height 10" and 20".



BT CPP HA SX

MELT BLOWN AND POLIPHOSPHATE CARTRIDGES WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RA5795308	BT CPP HA 10 SX AB 5 mcr	10"	5	1000	252	72	28
RA5795311	BT CPP HA 10 SX AB 25 mcr	10"	25	1000	252	72	28
RA5797308	BT CPP HA 20 SX AB 5 mcr	20"	5	1500	510	72	28
RA5797311	BT CPP HA 20 SX AB 25 mcr	20"	25	1500	510	72	28

BT CPP HA BX

MELT BLOWN AND POLIPHOSPHATE CARTRIDGES WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RA5795318	BT CPP HA 10 BX AB 5 mcr	10"	5	1000	252	72	25
RA5795321	BT CPP HA 10 BX AB 25 mcr	10"	25	1000	252	72	25
RA5797318	BT CPP HA 20 BX AB 5 mcr	20"	5	1500	510	72	25
RA5797321	BT CPP HA 20 BX AB 25 mcr	20"	25	1500	510	72	25

BT CPP HA 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 PLUS 3P housings.

MODELS:

- BT CPP HA series 10" and 20" OD 2.40" ID 1.10", SX, BX configurations.

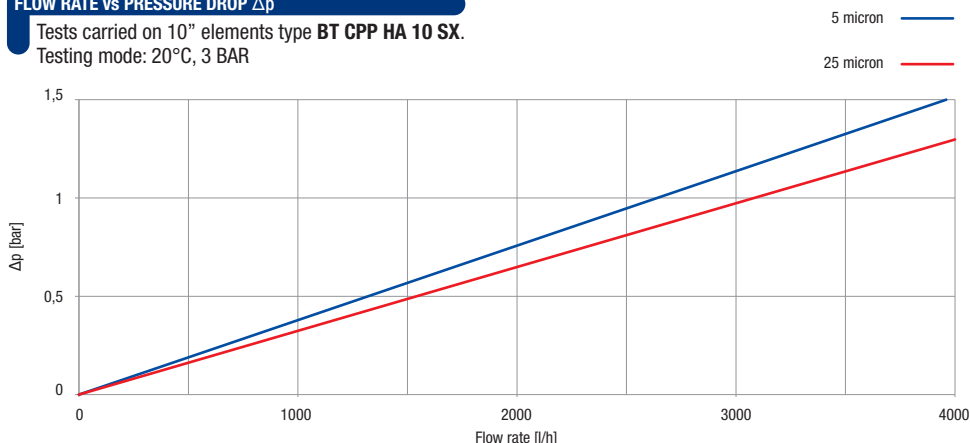
CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

BT CPP HA cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

FLOW RATE vs PRESSURE DROP Δp

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



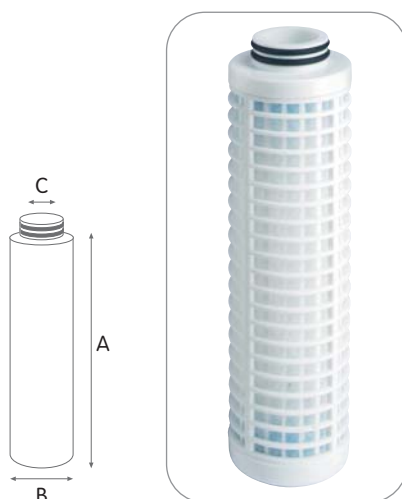
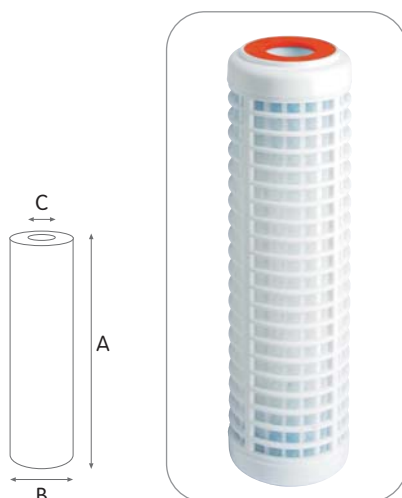


BT RL HA polyester washable net and polyphosphate crystals

Sediment filtration, anti-scale and anti-corrosion conditioning.

Max life-span: 6 months.

Maintenance: wash the net every month at least.



BT RL HA 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 PLUS 3P housings.

MODELS:

- BT RL HA MIGNON series 5" M OD 1.77" ID 0.71, SX configuration.
- BT RL HA series 10" and 20" OD 2.40" ID 1.10", SX, BX configurations.

Vatiant available on demand by minimum quantity:

- BT RL HA-C washable net filter with reduced outer frame for easier cleaning operations.
- BT RLA HA washable stainless steel net filter.

CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

BT RL HA cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

WORKING CONDITIONS

Max working temperature _____ 35°C (95°F)

Max total hardness _____ 50°f (500 ppm CaCO₃)

Remark - the treated water can be heated up to 75°C - 80°C, above that temperature the polyphosphate loses gradually its effectiveness.

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Filter medium: polyester net.

Armouring and end caps: polypropylene.

Flat seals SX: SEBS. O-rings BX: EPDM.

Treatment material: polyphosphate crystals.

Cartridges combining a pre-filter element made with a washable net filter filled polyphosphate crystals, designed to provide sediment filtration at 50 micron and anti-scale water conditioning, prevention from scale deposit, calcareous incrustation and protection from corrosion for water heaters, washing machines, pipes. BT RL HA cartridges are available with height 10" and 20".

BT RL HA SX

POLYESTER NET AND POLIPHOSPHATE CARTRIDGES WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 1,77" x ID 0,71"							
RA5890114	BT RL MIGNON HA SX 50 mcr	5" M	50	500	122	50	20
OD 2,40" x ID 1,10"							
RA5892114	BT RL 5 HA SX 50 mcr	5"	50	800	125	70	30
RA5894114	BT RL 7 HA SX 50 mcr	7"	50	1000	173	70	30
RA5895114	BT RL 10 HA SX 50 mcr	10"	50	1500	250	70	30
RA5897114	BT RL 20 HA SX 50 mcr	20"	50	1800	505	70	30

BT RL HA BX

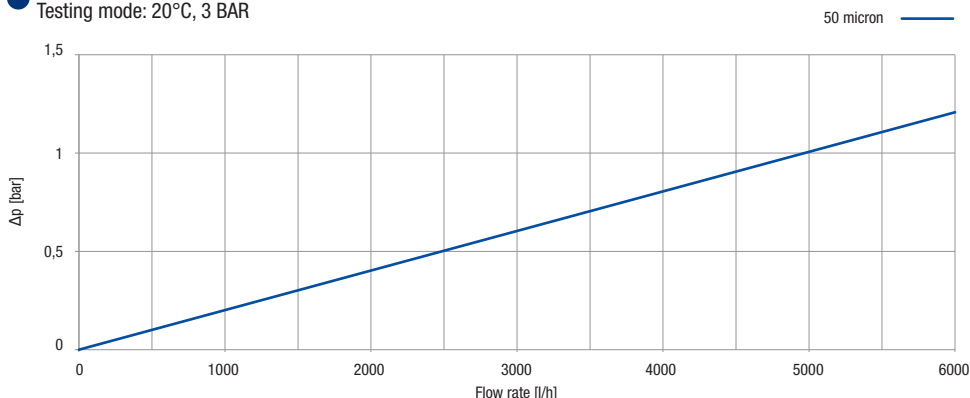
POLYESTER NET AND POLIPHOSPHATE CARTRIDGES WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RA5892214	BT RL 5 HA BX 50 mcr	5"	50	800	125	70	30
RA5894214	BT RL 7 HA BX 50 mcr	7"	50	1000	173	70	30
RA5895214	BT RL 10 HA BX 50 mcr	10"	50	1500	250	70	30
RA5897214	BT RL 20 HA BX 50 mcr	20"	50	1800	505	70	30

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type **BT RL HA 10 SX**.

Testing mode: 20°C, 3 BAR





FA HA wound polypropylene thread and polyphosphate crystals

Sediment filtration, anti-scale and anti-corrosion conditioning.

Max life-span: 6 months.

Maintenance: none.

WORKING CONDITIONS

Max working temperature _____ 35°C (95°F)

Max total hardness _____ 50°f (500 ppm CaCO₃)

Remark - the treated water can be heated up to 75°C - 80°C, above that temperature the polyphosphate loses gradually its effectiveness.

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Filter medium: polypropylene.

Container, end cap and grid: polypropylene.

Flat seals SX: SEBS. O-rings BX: EPDM.

Treatment material: polyphosphate crystals.

Wound polypropylene filter cartridge filled with polyphosphate crystals, providing pre-filtration at 5, 10, 25, 50 and 100 micron and anti-scale water conditioning, prevention from scale deposit, calcareous incrustation and protection from corrosion for water heaters, washing machines, pipes. FA HA cartridges are available with height from 5" to 10".

FA HA SX

WOUND POLYPROPYLENE THREAD AND POLIPHOSPHATE CARTRIDGES WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RA5662108	FA 5 HA SX 5 mcr	5"	5	700	125	70	30
RA5662109	FA 5 HA SX 10 mcr	5"	10	700	125	70	30
RA5662111	FA 5 HA SX 25 mcr	5"	25	700	125	70	30
RA5662114	FA 5 HA SX 50 mcr	5"	50	700	125	70	30
RA5662119	FA 5 HA SX 100 mcr	5"	100	700	125	70	30
RA5664108	FA 7 HA SX 5 mcr	7"	5	900	173	70	30
RA5664109	FA 7 HA SX 10 mcr	7"	10	900	173	70	30
RA5664111	FA 7 HA SX 25 mcr	7"	25	900	173	70	30
RA5664114	FA 7 HA SX 50 mcr	7"	50	900	173	70	30
RA5664119	FA 7 HA SX 100 mcr	7"	100	900	173	70	30
RA5665108	FA 10 HA SX 5 mcr	10"	5	1300	250	70	30
RA5665109	FA 10 HA SX 10 mcr	10"	10	1300	250	70	30
RA5665111	FA 10 HA SX 25 mcr	10"	25	1300	250	70	30
RA5665114	FA 10 HA SX 50 mcr	10"	50	1300	250	70	30
RA5665119	FA 10 HA SX 100 mcr	10"	100	1300	250	70	30

FA HA BX

WOUND POLYPROPYLENE THREAD AND POLIPHOSPHATE CARTRIDGES WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 2,40" x ID 1,10"							
RA5662208	FA 5 HA BX 5 mcr	5"	5	700	125	70	30
RA5662209	FA 5 HA BX 10 mcr	5"	10	700	125	70	30
RA5662211	FA 5 HA BX 25 mcr	5"	25	700	125	70	30
RA5662214	FA 5 HA BX 50 mcr	5"	50	700	125	70	30
RA5662219	FA 5 HA BX 100 mcr	5"	100	700	125	70	30
RA5664208	FA 7 HA BX 5 mcr	7"	5	900	173	70	30
RA5664209	FA 7 HA BX 10 mcr	7"	10	900	173	70	30
RA5664211	FA 7 HA BX 25 mcr	7"	25	900	173	70	30
RA5664214	FA 7 HA BX 50 mcr	7"	50	900	173	70	30
RA5664219	FA 7 HA BX 100 mcr	7"	100	900	173	70	30
RA5665208	FA 10 HA BX 5 mcr	10"	5	1300	250	70	30
RA5665209	FA 10 HA BX 10 mcr	10"	10	1300	250	70	30
RA5665211	FA 10 HA BX 25 mcr	10"	25	1300	250	70	30
RA5665214	FA 10 HA BX 50 mcr	10"	50	1300	250	70	30
RA5665219	FA 10 HA BX 100 mcr	10"	100	1300	250	70	30

A HA 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 PLUS 3P housings.

MODELS:

- FA HA series from 5" to 10" OD 2.40" ID 1.10", SX, BX configurations.

CERTIFICATIONS

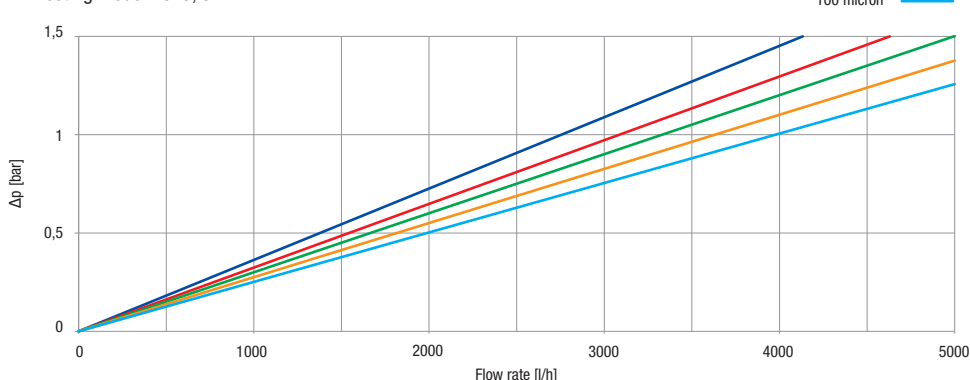
in compliance with
italian regulation
D.M. 174/2004

FA HA cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type **FA HA 10 SX**.

Testing mode: 20°C, 3 BAR





CPP HA melt-blown polypropylene and polyphosphate crystals

Sediment filtration, anti-scale and anti-corrosion conditioning.

Max life-span: 6 months.

Maintenance: none.

WORKING CONDITIONS

Max working temperature _____ 35°C (95°F)

Max total hardness _____ 50°f (500 ppm CaCO₃)

Remark - the treated water can be heated up to 75°C - 80°C, above that temperature the polyphosphate loses gradually its effectiveness.

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

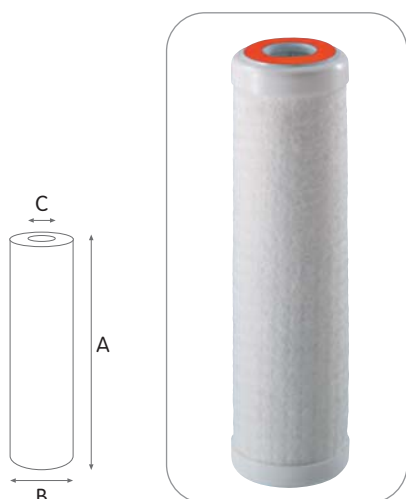
Filter medium: polypropylene.

End caps: polypropylene.

Flat seals SX: SEBS. O-rings BX: EPDM.

Treatment material: polyphosphate crystals.

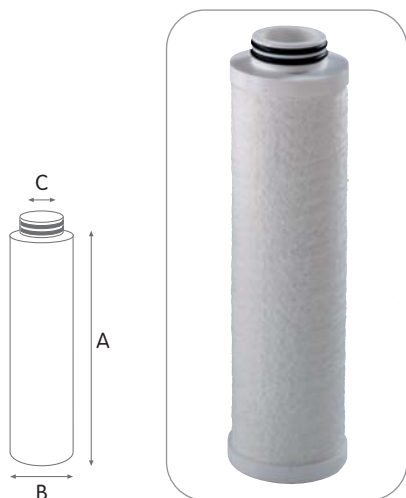
Melt-blown polypropylene filter cartridge filled with polyphosphate crystals for anti-scale water conditioning providing pre-filtration at 25 micron and prevention form scale deposit and calcareous incrustation and protection from corrosion for water heaters, washing machines, pipes. CPP HA cartridges are available with height from 5"M, 10" and 20".



CPP HA SX

MELT BLOWN AND POLIPHOSPHATE CARTRIDGES WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	NOMINAL FILTRATION MICRON	NOMINAL FLOW/RATE l/h	DIMENSIONS MM		
					A	B	C
OD 1,77" x ID 0,71"							
RA5700008	CPP HA MIGNON SX 5 mcr	5" M	5	500	122	50	20
RA5700011	CPP HA MIGNON SX 25 mcr	5" M	25	500	122	50	20
OD 2,40" x ID 1,10"							
RA5795108	CPP HA 10 SX 5 mcr	10"	5	1300	250	70	25
RA5795111	CPP HA 10 SX 25 mcr	10"	25	1300	250	70	25
RA5797108	CPP HA 20 SX 5 mcr	20"	5	1600	505	70	25
RA5797111	CPP HA 20 SX 25 mcr	20"	25	1600	505	70	25



CPP HA BX

MELT BLOWN AND POLIPHOSPHATE CARTRIDGES WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL	NOMINAL	NOMINAL	DIMENSIONS MM		
		HEIGHT	FILTRATION MICRON	FLOW/RATE l/h	A	B	C
OD 2,40" x ID 1,10"							
RA5795208	CPP HA 10 BX 5 mcr	10"	5	1300	250	70	25
RA5795211	CPP HA 10 BX 25 mcr	10"	25	1300	250	70	25
RA5797208	CPP HA 20 BX 5 mcr	20"	5	1600	505	70	25
RA5797211	CPP HA 20 BX 25 mcr	20"	25	1600	505	67	25

CPP HA 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 PLUS 3P housings.

MODELS:

- CPP HA MIGNON series 5"M OD 1.77" ID 0.71, SX configuration.
- CPP HA series 10" and 20" OD 2.40" ID 1.10", SX, BX configurations.

CERTIFICATIONS

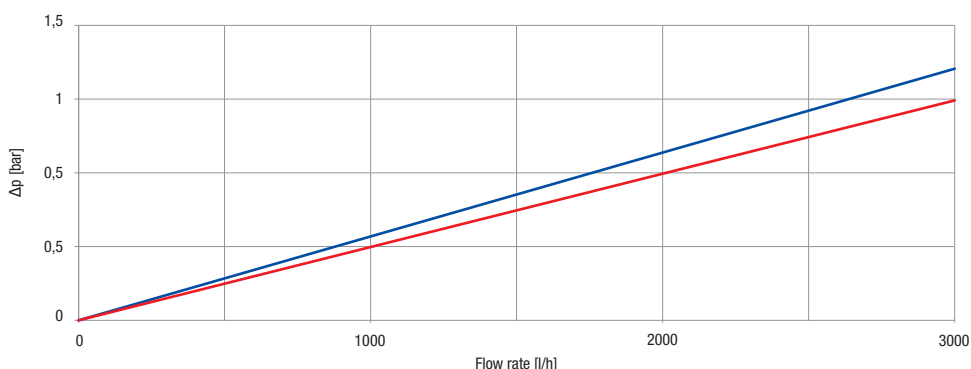
in compliance with
italian regulation
D.M. 174/2004

CPP HA cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type **CPP HA 10 SX**.

Testing mode: 20°C, 3 BAR





QA CF strong cationic resin

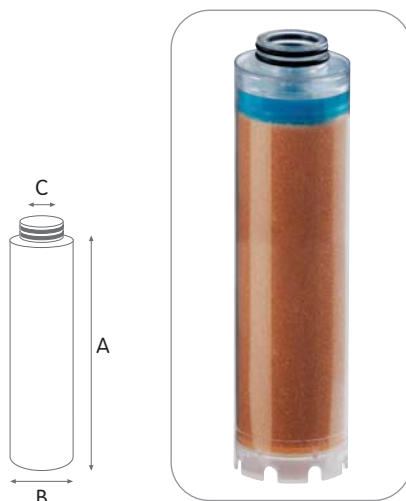
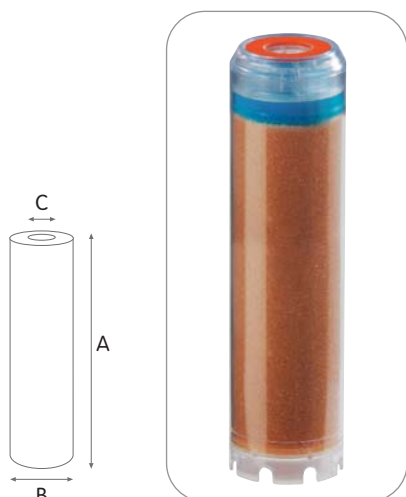
Water softening.

Average life-span: see the table below.

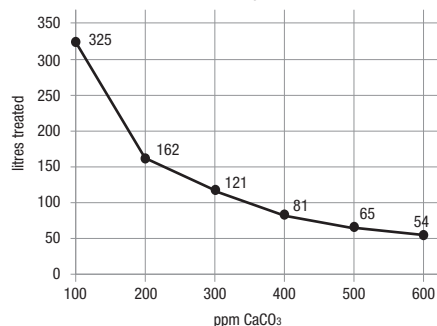
Maintenance: none.

Remark - Use a pre-filter to protect the cartridge.

Note: the cartridge does not change its colour when exhausted. Check the depletion of the resin with the specific Atlas Filtri EASY TEST strips.



10" cartridge duration in litres starting from a given water intake carbonates concentration (as CaCO_3 ppm)



CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

QA CF cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

Max concentration Cl _____ 0,1 ppm

Max concentration Fe _____ 0,1 ppm

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Container, end cap and grid: polystyrene.

Flat seal SX: SEBS. O-rings BX: EPDM.

Containing sponge: polyurethane.

Treatment material: strong cationic resin.

Plastic container filled with strong cationic-exchange resin, for the reduction of total hardness (TH) and providing water softening with removal of Calcium and Magnesium carbonates. QA-CF cartridges are available with height from 5" to 20".

QA CF SX

WOUND POLYPROPYLENE THREAD CARTRIDGES WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL	NOMINAL	DIMENSIONS MM		
		HEIGHT	FLOW/RATE l/h	A	B	C
OD 2,40" x ID 1,10"						
RA5202125	QA 5 CF SX	5"	25	128	70	28
RA5204125	QA 7 CF SX	7"	30	176	70	28
RA5205125	QA 10 CF SX	10"	50	252	70	28
RA5207125	QA 20 CF SX	20"	90	510	70	28

QA CF BX

WOUND POLYPROPYLENE THREAD CARTRIDGES WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL	NOMINAL	DIMENSIONS MM		
		HEIGHT	FLOW/RATE l/h	A	B	C
OD 2,40" x ID 1,10"						
RA5202225	QA 5 CF BX	5"	25	127	70	25
RA5204225	QA 7 CF BX	7"	30	183	70	25
RA5205225	QA 10 CF BX	10"	50	252	70	25
RA5207225	QA 20 CF BX	20"	90	510	70	25

QA-CF 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 PLUS 3P housings.

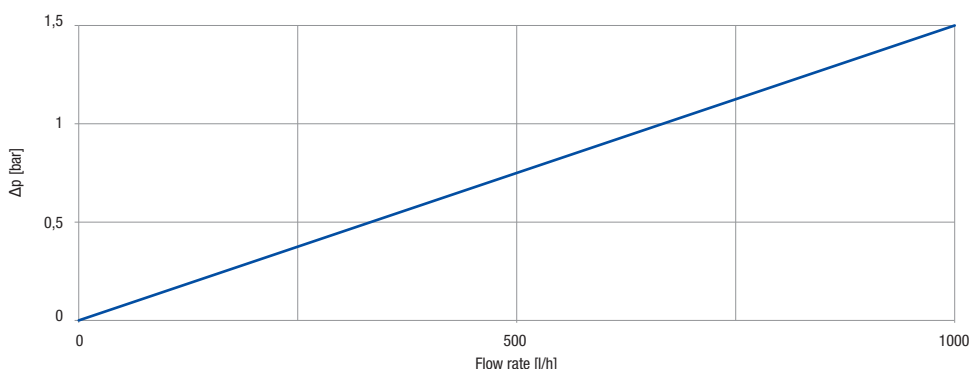
MODELS:

- QA-CF series from 5" to 20" OD 2.40" ID 1.10", SX, BX configurations.

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type **QA CF 10 SX**.

Testing mode: 20°C, 3 BAR





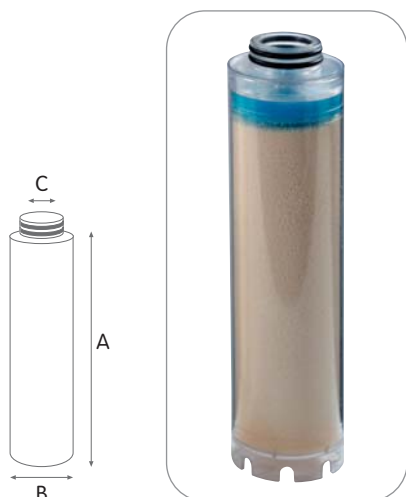
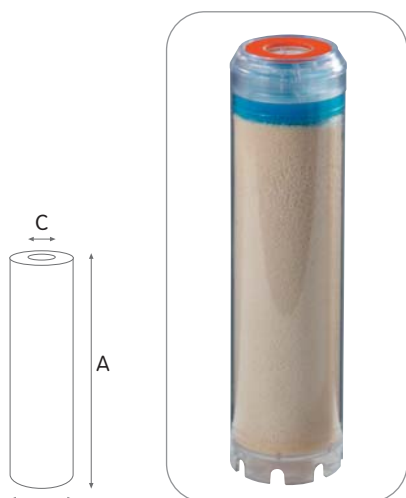
QA AF anionic resin

Reduction of nitrates.

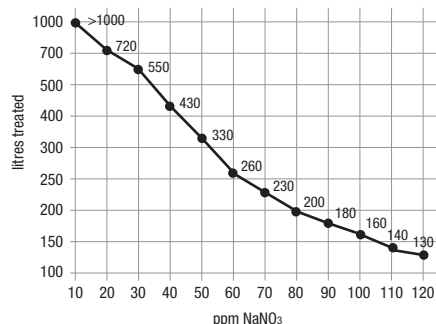
Average life-span: see the table below.

Maintenance: none.

Remark - Use a pre-filter to protect the cartridge.



10" cartridge duration in litres starting from a given water intake carbonates concentration (as CaCO_3 ppm)



CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

QA AF cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

Max concentration NaNO_3 _____ 200 ppm

Max concentration SO_4 _____ 200-300 ppm

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Container, end cap and grid: polystyrene.

Flat seal SX: SEBS. O-rings BX: EPDM.

Containing sponge: polyurethane.

Treatment material: strong anionic resin nitrates-selective.

Plastic container filled with anti-nitrate selective ionic-exchange resin, for the reduction of nitrate content in drinking water. The concentration of nitrates in drinking water below 10 mg/l is strongly recommended by World Health Organization (WHO) guidelines. QA-AF cartridges are available with height from 5" to 20".

QA AF SX

WOUND POLYPROPYLENE THREAD CARTRIDGES WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL	NOMINAL	DIMENSIONS MM		
		HEIGHT	FLOW/RATE l/h	A	B	C
OD 2,40" x ID 1,10"						
RA5352125	QA 5 AF SX	5"	25	128	70	28
RA5354125	QA 7 AF SX	7"	35	176	70	28
RA5355125	QA 10 AF SX	10"	50	252	70	28
RA5357125	QA 20 AF SX	20"	90	510	70	28

QA AF BX

WOUND POLYPROPYLENE THREAD CARTRIDGES WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL	NOMINAL	DIMENSIONS MM		
		HEIGHT	FLOW/RATE l/h	A	B	C
OD 2,40" x ID 1,10"						
RA5352225	QA 5 AF BX	5"	25	127	70	25
RA5354225	QA 7 AF BX	7"	35	183	70	25
RA5355225	QA 10 AF BX	10"	50	252	70	25
RA5357225	QA 20 AF BX	20"	90	510	70	25

QA-AF 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 PLUS 3P housings.

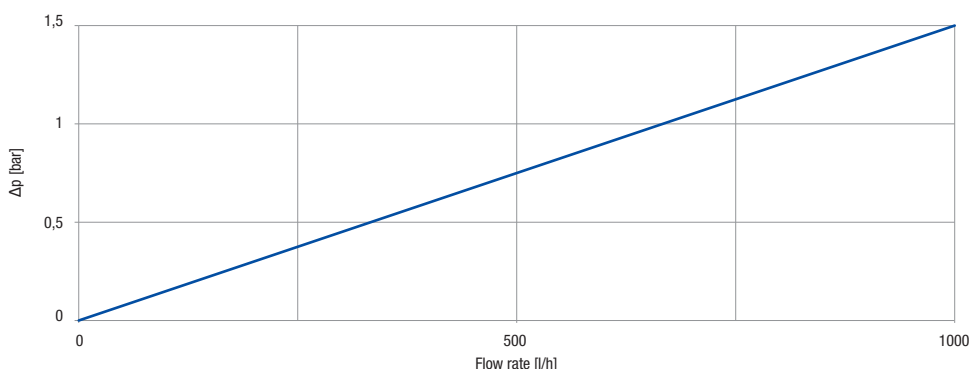
MODELS:

- QA-AF series from 5" to 20" OD 2.40" ID 1.10", SX, BX configurations.

FLOW RATE vs PRESSURE DROP Δp

Tests carried on 10" elements type **QA AF 10 SX**.

Testing mode: 20°C , 3 BAR





QA LM mixed bed strong cationic and anionic resin

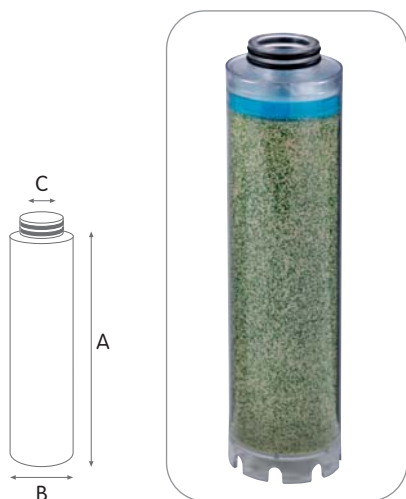
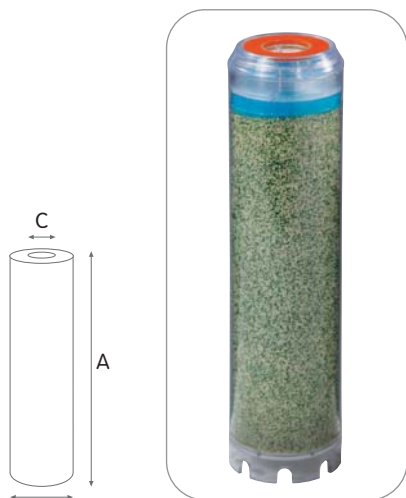
Water demineralization.

Average life-span: see the table below.

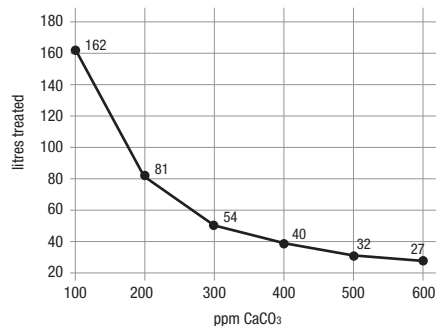
Maintenance: none.

Remark - Use a pre-filter to protect the cartridge.

Note: the resin changes colour when exhausted.



10" cartridge duration in litres starting from a given water intake carbonates concentration (as CaCO_3 ppm)



CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

QA LM cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004**.

WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

Max concentration Cl _____ 0,1 ppm

Max concentration Fe _____ 0,1 ppm

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Container, end cap and grid: polystyrene.

Flat seal SX: SEBS. O-rings BX: EPDM.

Containing sponge: polyurethane.

Treatment material: mixed bed of strong cationic and strong anionic resins.

Plastic container filled with strong cationic and strong anionic-exchange resin, for the reduction of water salinity. QA-LM cartridges are available with height from 5" to 20".

QA LM SX

WOUND POLYPROPYLENE THREAD CARTRIDGES WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL	NOMINAL	DIMENSIONS MM		
		HEIGHT	FLOW/RATE l/h	A	B	C
OD 2,40" x ID 1,10"						
RA5212125	QA 5 LM SX	5"	10	128	70	28
RA5214125	QA 7 LM SX	7"	15	176	70	28
RA5215125	QA 10 LM SX	10"	25	252	70	28
RA5217125	QA 20 LM SX	20"	40	510	70	28

QA LM BX

WOUND POLYPROPYLENE THREAD CARTRIDGES WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL	NOMINAL	DIMENSIONS MM		
		HEIGHT	FLOW/RATE l/h	A	B	C
OD 2,40" x ID 1,10"						
RA5212225	QA 5 LM BX	5"	10	127	70	25
RA5214225	QA 7 LM BX	7"	15	183	70	25
RA5215225	QA 10 LM BX	10"	25	252	70	25
RA5217225	QA 20 LM BX	20"	40	510	70	25

QA-LM cartridges are available in a variety of:

CONFIGURATIONS:

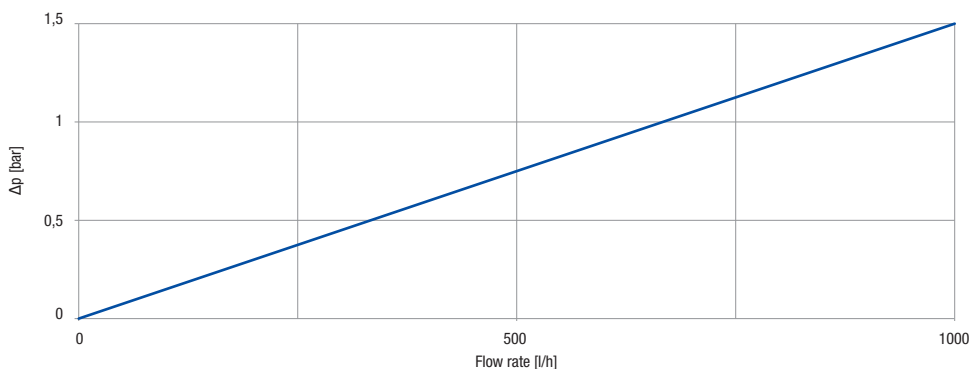
- SX standard configuration double open end (DOE) available for every height and diameter.
- BX proprietary configuration with double o-ring collar 45 mm, suitable to PLUS 3P BX housings, DP housings, K PLUS 3P housings.

MODELS:

- QA-LM series from 5" to 20" OD 2.40" ID 1.10", SX, BX configurations.

FLOW RATE vs PRESSURE DROP Δp

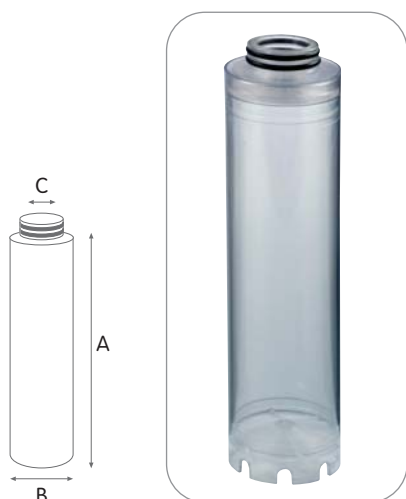
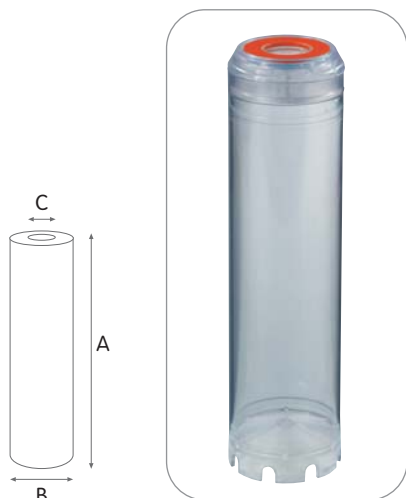
Tests carried on 10" elements type **QA LM 10 SX**.
Testing mode: 20°C, 3 BAR





P empty container

Fillable container.



P containers 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 PLUS 3P housings.

MODELS:

- P MIGNON series 5" M OD 1.77" ID 0.71", SX configuration.
- P series from 5" to 20" OD 2.40" ID 1.10", SX, BX configurations.

Accessory available on demand:

- Containing sponge for P MIGNON series and for P series.

CERTIFICATIONS

in compliance with
italian regulation
D.M. 174/2004

Attestation de
Conformité
Sanitaire
ACS

P cartridges are tested and certified under the most stringent procedures worldwide, achieving the **certification of compliance with DM 174/2004 and the sanitary certifications ACS (France).**

WORKING CONDITIONS

Max working temperature _____ 45°C (113°F)

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Container: polystyrene.

End cap and grid: polystyrene.

Flat seal SX: SEBS.

O-rings BX: EPDM.

Plastic container fillable with water treatment media available from the range of Atlas Filtri media: granular activated carbon (GAC), polyphosphate crystals, ionic exchange resins. For the use of other media contact Atlas Filtri for approval. P containers are available with height from 5" to 20".

P SX

EMPTY CONTAINER WITH DOUBLE OPEN END (DOE)

CODE	MODEL	NOMINAL HEIGHT	DIMENSIONS MM		
			A	B	C
OD 1,77" x ID 0,71"					
RB5170625	P MIGNON SX TS	5" M	125	50	21
OD 2,40" x ID 1,10"					
RB5172125	P 5 SX TS	5"	128	70	28
RB5174125	P 7 SX TS	7"	176	70	28
RB5175125	P 10 SX TS	10"	252	70	28
RB5177125	P 20 SX TS	20"	510	70	28

P BX

WOUND POLYPROPYLENE THREAD CARTRIDGES WITH DOUBLE O RING COLLAR 45 MM

CODE	MODEL	NOMINAL HEIGHT	DIMENSIONS MM		
			A	B	C
OD 2,40" x ID 1,10"					
RB5172225	P 5 BX TS	5"	127	72	25
RB5174225	P 7 BX TS	7"	183	72	25
RB5175225	P 10 BX TS	10"	252	72	25
RB5177225	P 20 BX TS	20"	510	72	25



"water is the driver of nature"
Leonardo Da Vinci

LENNTECH

info@lennotech.com Tel. +31-152-610-900
www.lennotech.com Fax. +31-152-616-289