

housings and cartridges with quick-fit BX system



HEIGHT OF MODELS:

5" 7" 10" 20"

supplemented with
Mignon SX series



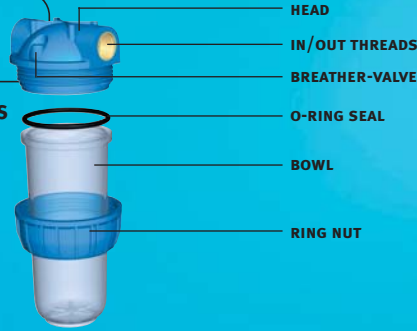
Atlas Filtri BX Series.

Safety features of the BX system for filtration

housings

3P

- 5" Medium Plus
- 7" Junior Plus
- 10" Senior Plus
- 20" Master Plus



3P Duplex

- 5" Medium Plus
- 7" Junior Plus
- 10" Senior Plus
- 20" Master Plus



● SIMPLE

The exclusive BX system ensures that one simple movement is all it takes to obtain a perfect fit.

● RAPID

Just a few seconds and the cartridge is replaced.

● SAFE

The double o-ring ensures a perfectly watertight fit.



For domestic use



For technical and industrial use

f the exclusive BX ion professionals



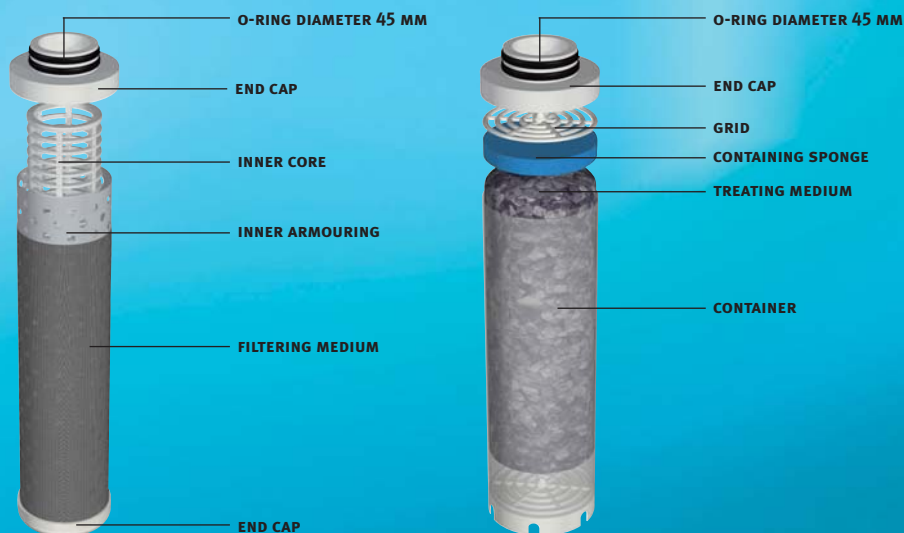
cartridges

For mechanical filtration

- plastic net
- stainless steel net
- wound polypropylene thread
- special paper
- quartzite
- ceramic
- polypropylene-borosilicate multi-layer

For water treatment

- granular activated carbon
- carbon block
- polyphosphate
- ionic exchange resins
- empty containers



housings Plus 3P BX

for quick-fit cartridges with double O-ring



Medium Junior Master Senior

APPLICATIONS

Filtration and treatment of water with neutral pH and drinking water.

Domestic use: filtration and treatment of drinking water, protection of taps, boilers, washing machines, and other installations.

Technical use: pre-filtration, micro-filtration; protection of pumps, heating systems, softeners, demineralising and chlorine-removing appliances, reverse osmosis units.

WORKING CONDITIONS

Max working pressure _____ 8 BAR

Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Head and ring nut: reinforced polypropylene.

Transparent bowl: SAN.

O-ring: EPDM.

Breather-valve: body polypropylene, O-ring EPDM.

IN/OUT threads: CW 614 N brass inserts.

cartridge height	housings with transparent bowl AS IN/OUT female threads with FO brass inserts	IN/OUT threads	mm	
			A	B
5"	Medium Plus 3P MFO BX AS	1/2"	191	133
5"	Medium Plus 3P AFO BX AS	3/4"	191	133
5"	Medium Plus 3P BFO BX AS	1"	197	145
7"	Junior Plus 3P MFO BX AS	1/2"	241	133
7"	Junior Plus 3P AFO BX AS	3/4"	241	133
7"	Junior Plus 3P BFO BX AS	1"	247	145
10"	Senior Plus 3P MFO BX AS	1/2"	315	133
10"	Senior Plus 3P AFO BX AS	3/4"	315	133
10"	Senior Plus 3P BFO BX AS	1"	321	145
20"	Master Plus 3P MFO BX AS	1/2"	571	133
20"	Master Plus 3P AFO BX AS	3/4"	571	133
20"	Master Plus 3P BFO BX AS	1"	577	145



VARIANTS available on minimum quantity

FP female plastic IN/OUT threads, BSP type 3/8", 3/4", 1".

AB housings with opaque bowl, impermeable to the light.

S bowl with discharge ball-valve for self-cleaning functioning (only SENIOR type).

MP male plastic IN/OUT threads, BSP type.



accessories



-U- Spanner



-S- wall bracket



wall bracket screws



3/4" and 1", brass nipples with O-ring

housings Duplex Plus 3P BX

for quick-fit cartridges with double O-ring



Medium Junior Master Senior

APPLICATIONS

Filtration and treatment of water with neutral pH and drinking water. The exclusive DUPLEX housings allow faster and safer installations of serial filtration units.

Domestic use: filtration and treatment of drinking water, protection of taps, boilers, washing machines, and other installations.

Technical use: pre-filtration, micro-filtration; protection of pumps, heating systems, softeners, demineralising and chlorine-removing appliances, reverse osmosis units.

WORKING CONDITIONS

Max working pressure _____ 8 BAR

Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Head and ring nut: reinforced polypropylene.

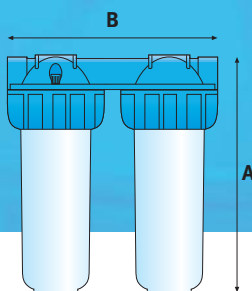
Transparent bowl: SAN.

O-ring: EPDM.

Breather-valve: body polypropylene, O-ring EPDM.

IN/OUT threads: CW 614 N brass inserts.

Cartridge height	housings with transparent bowl AS IN/OUT female threads with FO brass inserts	IN/OUT threads	mm	
			A	B
5"	Medium Duplex Plus 3P AFO BX AS	3/4"	191	275
5"	Medium Duplex Plus 3P BFO BX AS	1"	191	275
7"	Junior Duplex Plus 3P AFO BX AS	3/4"	241	275
7"	Junior Duplex Plus 3P BFO BX AS	1"	241	275
10"	Senior Duplex Plus 3P AFO BX AS	3/4"	315	275
10"	Senior Duplex Plus 3P BFO BX AS	1"	315	275
20"	Master Duplex Plus 3P AFO BX AS	3/4"	571	275
20"	Master Duplex Plus 3P BFO BX AS	1"	571	275



VARIANTS available on minimum quantity

FP female plastic IN/OUT threads, BSP type 3/4".

AB housings with opaque bowl, impermeable to the light.



accessories



-U- spanner



-D- wall bracket



wall bracket screws



3/4" and 1", brass nipples with O-ring

RL BX polyester filtering net - 50 micron washable cartridge



APPLICATIONS

Filtration of: sand, scale, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigations systems, protection of industrial installations.
Average life-span: about 24 months.
Maintenance: wash every 3 months.

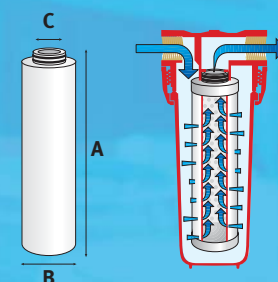
WORKING CONDITIONS

Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtering medium: polyester net.
Armouring: polypropylene.
End caps: polypropylene.
O-rings: EPDM.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	RL 5 BX 50 mcr	5"	125	70	32	800
Junior	RL 7 BX 50 mcr	7"	173	70	32	1100
Senior	RL 10 BX 50 mcr	10"	250	70	32	1600
Master	RL 20 BX 50 mcr	20"	505	70	32	3000



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

RS BX pleated polypropylene filtering net - 50 micron washable cartridge



APPLICATIONS

Filtration of: sand, scale, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigations systems, protection of industrial installations.
Average life-span: about 24 months.
Maintenance: wash every 3 months.

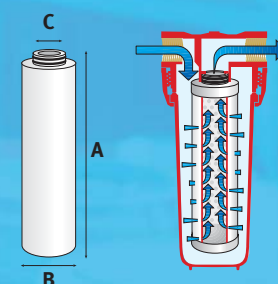
WORKING CONDITIONS

Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtering medium: polypropylene net.
Inner core: polypropylene.
End caps: polypropylene.
O-ring: EPDM.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	RS 5 BX 50 mcr	5"	125	70	32	1100
Junior	RS 7 BX 50 mcr	7"	173	70	32	1500
Senior	RS 10 BX 50 mcr	10"	250	70	32	2200
Master	RS 20 BX 50 mcr	20"	505	70	32	3800



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

RA BX stainless steel filtering net - 70 micron washable cartridge



APPLICATIONS

Filtration of: sand, scale, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigations systems, protection of industrial installations; filtration of brackish water (only RA-A stainless steel AISI 316 type).
Average life-span: RA-A about 5 years, RA-C about 3 years.
Maintenance: wash every 3 months.

WORKING CONDITIONS

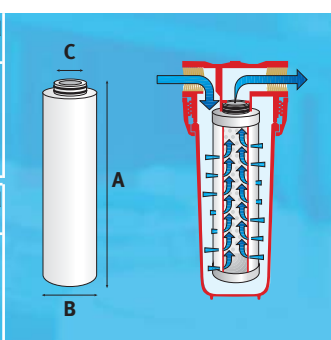
Max working temperature _____ 45°C

CARATTERISTICHE

Non-toxic materials, suitable for drinking water.
Filtering medium: stainless steel net AISI 316 or AISI 304.
Inner armouring: stainless steel AISI 316 or AISI 304.
Inner core: polypropylene.
End caps: polypropylene.
O-rings: EPDM.

suitable housing	cartridge RA-A AISI 316	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	RA 5-A BX 70 mcr	5"	125	70	32	800
Junior	RA 7-A BX 70 mcr	7"	173	70	32	1100
Senior	RA 10-A BX 70 mcr	10"	250	70	32	1600
Master	RA 20-A BX 70 mcr	20"	505	70	32	3000

suitable housing	cartridge RA-C AISI 304	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	RA 5-C BX 70 mcr	5"	125	70	32	800
Junior	RA 7-C BX 70 mcr	7"	173	70	32	1100
Senior	RA 10-C BX 70 mcr	10"	250	70	32	1600
Master	RA 20-C BX 70 mcr	20"	505	70	32	3000



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

SA BX pleated stainless steel filtering net - 50 micron washable cartridge



APPLICATIONS

Filtration of: sand, scale, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigations systems, protection of industrial installations; filtration of brackish water (only SA-A stainless steel AISI 316 type).
Average life-span: SA-A about 5 years, SA-C about 3 years.
Maintenance: wash every 3 months.

WORKING CONDITIONS

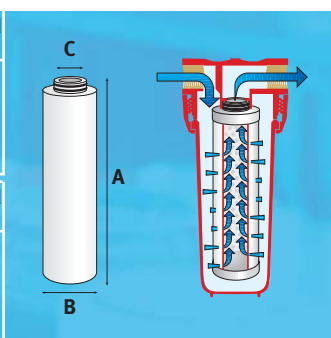
Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtering medium: stainless steel net AISI 316 or AISI 304.
Inner core: polypropylene.
End caps: polypropylene.
O-rings: EPDM.

suitable housing	cartridge SA-A AISI 316	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	SA 5-A BX 50 mcr	5"	125	70	32	1100
Junior	SA 7-A BX 50 mcr	7"	173	70	32	1500
Senior	SA 10-A BX 50 mcr	10"	250	70	32	2200
Master	SA 20-A BX 50 mcr	20"	505	70	32	3800

suitable housing	cartridge SA-C AISI 304	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	SA 5-C BX 50 mcr	5"	125	70	32	1100
Junior	SA 7-C BX 50 mcr	7"	173	70	32	1500
Senior	SA 10-C BX 50 mcr	10"	250	70	32	2200
Master	SA 20-C BX 50 mcr	20"	505	70	32	3800



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

TS BX pleated polyester fabric filtering medium - 50 micron washable cartridge



APPLICATIONS

Filtration of: sand, scale, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigations systems, protection of industrial installations.
Average life-span: about 24 months.
Maintenance: wash every 3 months.

WORKING CONDITIONS

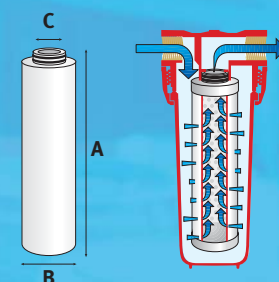
Max working temperature _____ 45°C



SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtering medium: polyester fabric.
Inner core: polypropylene.
End caps: polypropylene.
O-rings: EPDM.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	TS 5 BX 50 mcr	5"	125	70	32	1100
Junior	TS 7 BX 50 mcr	7"	173	70	32	1500
Senior	TS 10 BX 50 mcr	10"	250	70	32	2200
Master	TS 20 BX 50 mcr	20"	505	70	32	3800



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

CS BX pleated special paper filtering medium - 25 micron throw-away cartridge



APPLICATIONS

Filtration of: sand, scale, lime, rust.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigations systems, protection of industrial installations.
Average life-span: about 6 months.
Maintenance: none.

WORKING CONDITIONS

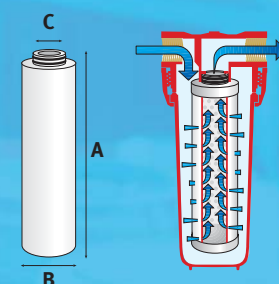
Max working temperature _____ 45°C



SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtering medium: special paper.
Inner core: polypropylene.
End caps: polypropylene.
O-rings: EPDM.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	CS 5 BX 25 mcr	5"	125	70	32	1000
Junior	CS 7 BX 25 mcr	7"	173	70	32	1400
Senior	CS 10 BX 25 mcr	10"	250	70	32	2000
Master	CS 20 BX 25 mcr	20"	505	70	32	3500



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

FA BX wound thread filtering medium - from 1-3 to 100 micron throw-away cartridge



APPLICATIONS

Filtration of: sand, scale, lime, rust, fine particles.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: pre-filtration for water-pumps, irrigations systems, protection of industrial installations; filtration of water and other liquids in industrial applications: chemical, petrochemical, photographic, electroplating, pharmaceutical.
Average life-span: from 3 to 6 months.
Maintenance: none.

WORKING CONDITIONS

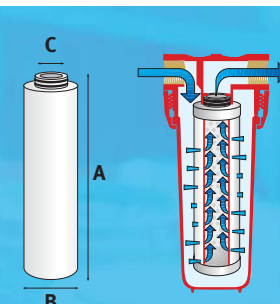
Max working temperature _____ 45°C



SPECIFICATIONS

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

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	FA 5 BX	5"	125	61	32	500
Junior	FA 7 BX	7"	173	61	32	700
Senior	FA 10 BX	10"	250	61	32	1000
Master	FA 20 BX	20"	505	61	32	2000



Available filtration rates, in micron (mcr)
 1-3 mcr 5 mcr 10 mcr 25 mcr 50 mcr 100 mcr

VARIANTS available on minimum quantity

CA Cartridges with granular activated carbon.

CA-AG Cartridges with granular activated carbon silver treated for bacteriostatic action.

CA-KDF Cartridges with granular activated carbon and KDF® for reduction of heavy-metals.

GA BX quartzite filtering medium - 10 micron throw-away cartridge



APPLICATIONS

Filtration of: lime, rust, fine particles.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.
Technical use: filtration for irrigation systems, protection of industrial installations, fine filtration of liquids.
Average life-span: about 6 months.
Maintenance: none.

WORKING CONDITIONS

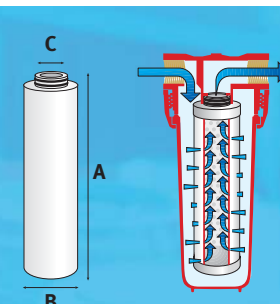
Max working temperature _____ 45°C



SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtering medium: conglomerate of quartzite granules, self-supporting frame.
End caps: polypropylene.
O-rings: EPDM.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	GA 5 BX 10 mcr	5"	125	70	32	500
Junior	GA 7 BX 10 mcr	7"	173	70	32	700
Senior	GA 10 BX 10 mcr	10"	250	70	32	1000
Master	GA 20 BX 10 mcr	20"	505	70	32	2000



VARIANTS available on minimum quantity

Cartridges with different filtration rates.

AB BX ceramic filtering medium - 0,45 micron throw-away cartridge



APPLICATIONS

Filtration of: very fine particles and some micro-organisms.
Domestic use: filtration of drinking water.
Technical use: fine filtration of water with neutral pH (pH = 7).
Average life-span: 6 - 12 months.
Maintenance: surface scraping every 2 - 3 months.

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

WORKING CONDITIONS

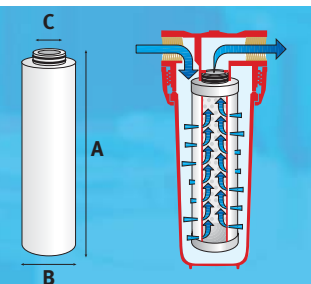
Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtering medium: ceramic, self-supporting frame.
End caps: polypropylene.
O-rings: EPDM.



suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	AB 5 BX 0,45 mcr	5"	125	70	32	150
Junior	AB 7 BX 0,45 mcr	7"	173	70	32	210
Senior	AB 10 BX 0,45 mcr	10"	250	70	32	300
Master	AB 20 BX 0,45 mcr	20"	505	70	32	600



VARIANTS available on minimum quantity

CA Cartridges with granular activated carbon.

CA-AG Cartridges with granular activated carbon silver treated for bacteriostatic action.

CA-KDF Cartridges with granular activated carbon and KDF® for reduction of heavy-metals.

AC BX pleated multi-layer filtering medium - 0,2 and 0,45 micron throw-away cartridge



APPLICATIONS

Filtration of: very fine particles, colloids and some micro-organisms.
Domestic use: filtration of drinking water.
Technical use: filtration of process waters, filtration of demineralised water, fine filtration of beverages (wines, liqueurs, syrups), intermediate filtration of process water for food industry, pharmaceutical and cosmetic industry; fine pre-filtration for reverse osmosis membranes.
Average life-span: 3 - 6 months.
Maintenance: none.

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

WORKING CONDITIONS

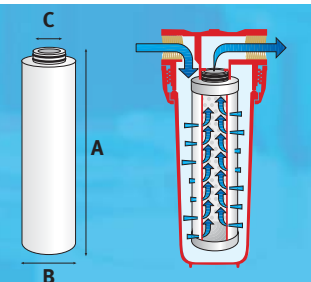
Max working temperature _____ 85°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Filtering medium: polypropylene-borosilicate multi-layer.
Inner core: polypropylene.
End caps: polypropylene.
O-rings: EPDM.



suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Senior	AC 10 BX 0,2 mcr	10"	250	70	32	700
Senior	AC 10 BX 0,45 mcr	10"	250	70	32	700
Master	AC 20 BX 0,2 mcr	20"	505	70	32	1400
Master	AC 20 BX 0,45 mcr	20"	505	70	32	1400



CA BX polyester felt filtering medium and granular activated carbon - 25 micron throw-away cartridge



APPLICATIONS

Pre-Filtration and elimination of: unpleasant odours and flavours from water caused by chlorine and other organic substances; removal of pesticides, insecticides, chlorinate solvents.

Domestic use: filtration and anti-chlorine treatment in point-of-entry appliances and in point-of-use appliances: washing machines, showers and drinking water units.

Technical use: anti-chlorine treatment in alimentary, chemical and pharmaceutical industry, pre-treatment for the protection of reverse osmosis units.

Average life-span: 3 months.

Maintenance: none.

WORKING CONDITIONS

Max working temperature _____ 45°C

SPECIFICATIONS

Non toxic materials, suitable for drinking water.

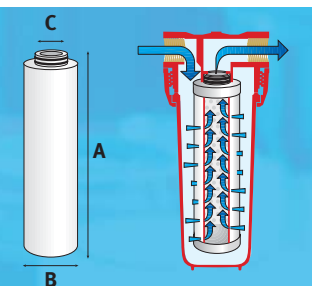
Filtering medium: polyester felt.

End caps and grid: polypropylene.

O-rings: EPDM.

Treating material: granular activated carbon of coconut shell.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	CA 5 BX 25 mcr	5"	125	70	32	300
Junior	CA 7 BX 25 mcr	7"	173	70	32	450
Senior	CA 10 BX 25 mcr	10"	250	70	32	600
Master	CA 20 BX 25 mcr	20"	505	70	32	1200



VARIANTS available on minimum quantity

AG Cartridges with granular activated carbon silver treated for bacteriostatic action.

KDF Cartridges with KDF® for reduction of heavy-metals.

LA BX container with granular activated carbon throw-away cartridge



APPLICATIONS

Elimination of: unpleasant odours and flavours from water caused by chlorine and other organic substances; removal of pesticides, insecticides, chlorinate solvents.

Domestic use: anti-chlorine treatment in point-of-entry appliances and in point-of-use appliances: washing machines, showers and drinking water units.

Technical use: anti-chlorine treatment in alimentary, chemical and pharmaceutical industry, pre-treatment for the protection of reverse osmosis units.

Average life-span: 3 months.

Maintenance: none.

WORKING CONDITIONS

Max working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Container: polystyrene.

End cap and grid: polystyrene.

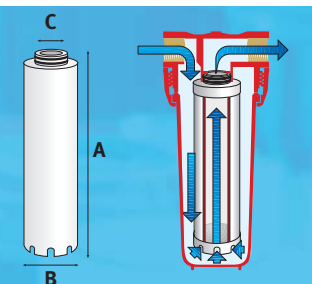
O-rings: EPDM.

Containing sponge: polyurethane.

Treating material: granular activated carbon of coconut shell.

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

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	LA 5 BX-TS	5"	127	72	24	400
Junior	LA 7 BX-TS	7"	183	72	24	400
Senior	LA 10 BX-TS	10"	252	72	24	400
Master	LA 20 BX-TS	20"	510	72	24	400



VARIANTS available on minimum quantity

Cartridges with different heights.

AG Cartridges with granular activated carbon silver treated for bacteriostatic action.

KDF Cartridges with KDF® for reduction of heavy-metals.

Cartridges with opaque container.

HA BX container with polyphosphate crystals throw-away cartridge



APPLICATION

Anti-scale and anticorrosion protection of domestic and industrial installations.

Domestic use: protection of water pipes, taps, showers, washing machines, boilers. Cartridge suitable for drinking water when used with Dosaprop PROPORTIONAL DOSING SYSTEMS in compliance with UE Directive 98/83 CE (see catalogue anti-scale systems).

Technical use: protection of heating systems, heat exchangers, protection of reverse osmosis units, protection of industrial water systems and other installations.

Average life-span: about 6 months.

Maintenance: none.

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

WORKING CONDITIONS

Max working temperature _____ 35°C

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

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

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Container: polystyrene.

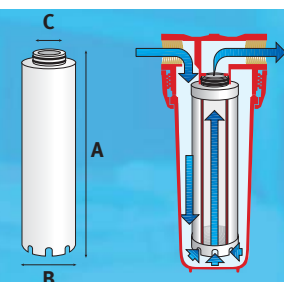
End cap and grid: polystyrene.

O-rings: EPDM.

Treating material: sodium polyphosphate crystals.

Remark - Storage time: max 12 months.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	HA 5 BX-TS	5"	127	72	24	1400
Junior	HA 7 BX-TS	7"	183	72	24	1400
Senior	HA 10 BX-TS	10"	252	72	24	1400
Master	HA 20 BX-TS	20"	510	72	24	1400



VARIANTS available on minimum quantity

S cartridges with siliphosphate spheres.

Polyphosphate treatment provides a simple, effective and economic solution to problems of calcareous scale and encrustations: polyphosphate dissolved in water prevents the build-up of scale and helps break down existing deposits. It forms a thin film which protects the installation from corrosion.

QA-CF BX container with strong cationic resin for softening treatment throw-away cartridge



APPLICATIONS

Elimination of total hardness, production of small quantities of softened water.

Domestic use: softening of water for ironing and other appliances.

Technical use: any use requiring softened water (laboratory, chemistry).

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.

WORKING CONDITIONS

Max working temperature _____ 45°C

Max concentration Cl _____ 0,1 ppm

Max concentration Fe _____ 0,1 ppm

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Container: polystyrene.

End cap and grid: polystyrene.

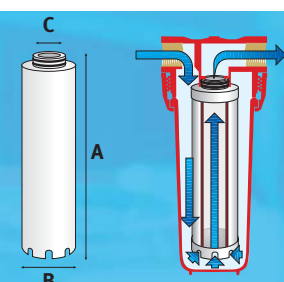
O-rings: EPDM.

Containing sponge: polyurethane.

Treating material: strong cationic resin.

Remark - Storage time: max 6 months.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	QA 5-CF BX-TS	5"	127	72	24	100
Junior	QA 7-CF BX-TS	7"	183	72	24	100
Senior	QA 10-CF BX-TS	10"	252	72	24	100
Master	QA 20-CF BX-TS	20"	510	72	24	100



Cartridge (height 10") duration in litres starting from a given water intake carbonates concentration (as CaCO₃ ppm)

ppm CaCO ₃	100	200	300	400	500	600
Litres treated	325	162	121	81	65	54

QA-AF BX container with strong anionic resin for anti-nitrates treatment throw-away cartridge



APPLICATIONS

Reduction of nitrates in small domestic and industrial appliances.

Domestic use: production of drinking water with nitrates concentration below 10 mg/l, in compliance with the World Health Organisation guidelines.

Technical use: protection of reverse osmosis units.

Average life-span: see the table below.

Maintenance: none.

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

WORKING CONDITIONS

Max working temperature _____ 45°C
 Max concentration NaNO₃ _____ 200 ppm
 Max concentration SO₄ _____ 200-300 ppm

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Container: polystyrene.

End cap and grid: polystyrene.

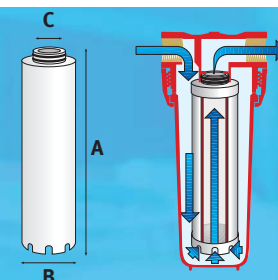
O-rings: EPDM.

Containing sponge: polyurethane.

Treating material: strong anionic resin for anti-nitrates treatment.

Remark - Storage time: max 6 months.

suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Medium	QA 5-AF BX-TS	5"	127	72	24	100
Junior	QA 7-AF BX-TS	7"	183	72	24	100
Senior	QA 10-AF BX-TS	10"	252	72	24	100
Master	QA 20-AF BX-TS	20"	510	72	24	100



Cartridge (height 10") duration in litres starting from a given water intake nitrates concentration (as NaNO₃ ppm)

ppm NaNO ₃	10	20	30	40	50	60	70	80	90	100	110	120
Litres treated	>1000	720	550	430	330	260	230	200	180	160	140	130

QA-LM BX container with mixed bed resin for demineralisation treatment throw-away cartridge



APPLICATIONS

Production of small amounts of demineralised water.

Domestic use: demineralised water for batteries, ironing, and other appliances.

Technical use: any use requiring water free from salts (laboratories, chemistry, photography, electronics; salt free water for batteries).

Average life-span: see the table below.

Maintenance: none.

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

Note: the cartridge changes its colour when exhausted.

WORKING CONDITIONS

Max working temperature _____ 45°C
 Max concentration Cl _____ 0,1 ppm
 Max concentration Fe _____ 0,1 ppm

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Container: polystyrene.

End cap and grid: polystyrene.

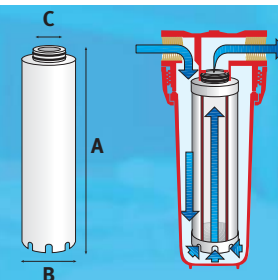
O-rings: EPDM.

Containing sponge: polyurethane.

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

Remark - Storage time: max 6 months.

suitable housing	cartridge model	cartridge length	mm			recommended flow rate l/h
			A	B	C	
Medium	QA 5-LM BX-TS	5"	127	72	24	100
Junior	QA 7-LM BX-TS	7"	183	72	24	100
Senior	QA 10-LM BX-TS	10"	252	72	24	100
Master	QA 20-LM BX-TS	20"	510	72	24	100



Cartridge (height 10") duration in litres starting from a given intake water carbonates concentration (as CaCO₃ ppm)

ppm CaCO ₃	100	200	300	400	500	600
Litres treated	162	81	54	40	32	27

P BX empty container



APPLICATIONS

Empty container for filling with materials for chemical-physical treatment of water.

WORKING CONDITIONS

Max working temperature _____ 45°C

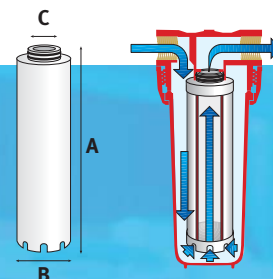
SPECIFICATIONS

Non toxic-materials, suitable for drinking water.

Container: polystyrene.

End cap and grid: polystyrene.

O-rings: EPDM.



suitable housing	cartridge model	cartridge height	mm		
			A	B	C
Medium	P 5 BX-TS	5"	127	72	24
Junior	P 7 BX-TS	7"	183	72	24
Senior	P 10 BX-TS	10"	252	72	24
Master	P 20 BX-TS	20"	510	72	24

ACCESSORIES Containing sponge. Polyurethane foam.

VARIANTS available on minimum quantity Opaque containers.

CA-SE BX sintered carbon block filtering medium - 0,3 micron throw-away cartridge



APPLICATIONS

Filtration of: very fine particles, micro-organisms and elimination of unpleasant odours and flavours caused by chlorine or other organic substances; removal of pesticides, insecticides, chlorinate solvents.

Domestic use: filtration and treatment of drinking water in point-of-use appliances.

Technical use: pre-treatment for the protection of reverse osmosis units. Anti-chlorine treatment in alimentary, chemical and pharmaceutical industry.

Average life-span: about 6 - 12 months.

Maintenance: surface scraping every 2 - 3 months.

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

WORKING CONDITIONS

Max working temperature _____ 45°C

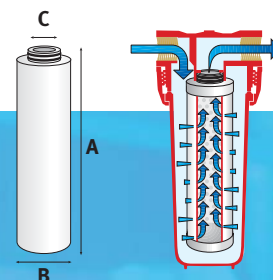
SPECIFICATIONS

Non-toxic materials, suitable for drinking water.

Filtering medium: sintered block of activated carbon, silver treated.

End caps: polypropylene.

O-rings: EPDM.



suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Senior	CA-SE 10 BX 0,3 mcr	10"	250	67	24	300

VARIANTS available on minimum quantity Cartridges with different heights.

"Carbon Block" cartridge: a cohesive block of activated carbon powder silver treated for bacteriostatic action. Avoids the typical problems caused by granular activated carbon: the release of dust and the formation of preferential channels in the filter bed. The cartridge is particularly suitable for the protection of reverse osmosis membranes. The filtration level is controlled by a process of sintering.

CR BX polyethylene filtering medium with activated carbon powder - 1 micron throw-away cartridge



APPLICATIONS

Filtration of: fine particles and some micro-organisms, elimination of unpleasant odours and flavours from water caused by chlorine and other organic substances; removal of pesticides, insecticides, chlorinate solvents.

Domestic use: filtration and treatment of drinking water in point-of-use appliances.

Technical use: pre-treatment for the protection of reverse osmosis units. Anti-chlorine treatment in alimentary, chemical and pharmaceutical industry.

Average life-span: 3-6 months.

Maintenance: none.

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

WORKING CONDITIONS

Max working temperature _____ 45°C

SPECIFICATIONS

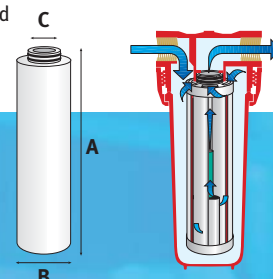
Non-toxic materials, suitable for drinking water.

Container: ABS.

Filtering medium: polyethylene.

O-rings: EPDM.

Treating material: mix of activated carbon and copper powder.



suitable housing	cartridge model	cartridge height	mm			recommended flow rate l/h
			A	B	C	
Senior	CR 10 BX 1 mcr	10"	250	67	11	200

Cartridge made of an outer plastic tube with a sack-shaped inner filtering medium which contains activated carbon powder and copper powder for bacteriostatic action.

housings Mignon Plus 3P SX

for cartridges with standard flat seals



APPLICATIONS

Filtration and treatment of water with neutral pH and drinking water.
Domestic use: filtration of drinking water, protection of taps, boilers, washing machines, and other installations.
Technical use: pre-filtration, micro-filtration; protection of pumps, heating systems, softeners, demineralising and chlorine-removing appliances, reverse osmosis units.

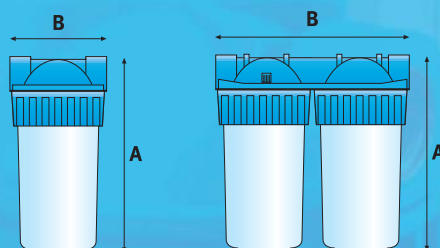
WORKING CONDITIONS

Max. working pressure _____ 8 BAR
 Max. working temperature _____ 45°C

SPECIFICATIONS

Non-toxic materials, suitable for drinking water.
Head and ring nut: reinforced polypropylene.
Transparent bowl: SAN.
O-ring: EPDM.
Breather-valve: body polypropylene, O-ring EPDM.
IN/OUT threads: CW 614 N brass inserts.

Cartridge height	housings with transparent bowl AS IN/OUT female threads with FO brass inserts	IN/OUT threads	mm	
			A	B
5" M	Mignon Plus L 3P MFO AS	1/2"	176	94
5" M	Mignon Plus S 3P MFO AS	1/2"	177	90
5" M	Mignon Plus L 3P AFO AS	3/4"	178	94
5" M	Mignon Duplex Plus 3P MFO AS	1/2"	176	194



VARIANTS available on minimum quantity

FP female plastic IN/OUT threads, BSP type 1/2".

AB housings with opaque bowl, impermeable to the light.



accessories



-L- Spanner



wall bracket
Mignon Duplex



wall bracket
screws



diffuser tube
Mignon



cartridges SX series

suitable for Mignon housings



cartridge	material	filtering rate micron	mm			recommended flow rate l/h
			A	B	C	
RL MIGNON SX	polyester net Washable cartridge	50	122	50	20	500
SA-A MIGNON SX	stainless steel pleated net AISI 316 Washable cartridge	50	122	50	20	700
SA-C MIGNON SX	stainless steel pleated net AISI 304 Washable cartridge	50	122	50	20	700
RA-A MIGNON SX	stainless steel net AISI 316 Washable cartridge	70	122	50	20	500
RA-C MIGNON SX	stainless steel net AISI 304 Washable cartridge	70	122	50	20	500
TS MIGNON SX	polyester fabric Washable cartridge	50	122	50	20	700
CS MIGNON SX	special paper Throw-away cartridge	25	122	50	20	600
FA MIGNON SX	wound polypropylene thread Throw-away cartridge	5-10-25-50-100	122	45	18	300
AB MIGNON SX	ceramic Throw-away cartridge	0,45	122	50	20	80
LA MIGNON SX-TS	granular activated carbon Throw-away cartridge	-	125	50	21	300
HA MIGNON SX-TS	polyphosphate crystals Throw-away cartridge Suitable to the use with drinking water when used in Dosaprop Proportional Dosing Systems in compliance with EU Directive 98/83/CE	-	125	50	21	1000
P MIGNON SX-TS	empty container	-	125	50	21	-

Water treatment products



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.

Titanium oxide (Arsenic removal) 28 litres pack.

KDF® 25 kg pack.

(KDF® is a registered trade mark of Fluid Treatment, Inc. USA).

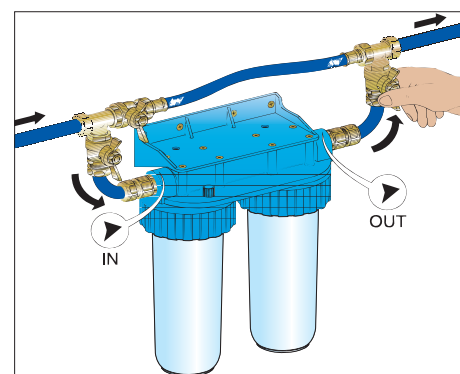
Easy test strips for rapid check of the total hardness, in blisters of 5 strips.

Installation and maintenance

Installation and maintenance of the products must be carried out in strict accordance with the instructions provided in the INSTALLATION INSTRUCTIONS manual, which is included in the housing package. Failure to comply with the instructions will render the warranty null and void.

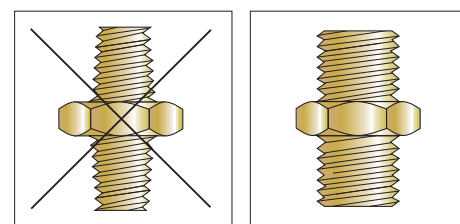
In particular, it is forbidden to: exceed the operating conditions indicated, install the product in circuits liable to a "water hammer" effect without the use of a protection system for the filter, to filter liquids other than pH-neutral water, to filter compressed air or gas, to subject the filters to return hot water, to expose the filter to freezing or excessive heat.

The O-ring gaskets of the housing are factory-lubricated: further lubrication is not recommended.



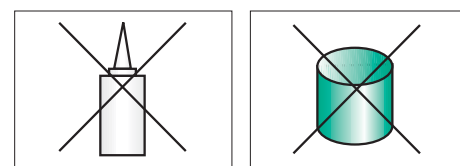
General operating conditions

Housings and cartridges must be used within the limits of prescribed working conditions and exclusively for the applications indicated in the catalogue. Applications exceeding the limits prescribed or different from those indicated are prohibited, unless expressly authorized by the manufacturer.



CONICAL

BSP



SEALANTS

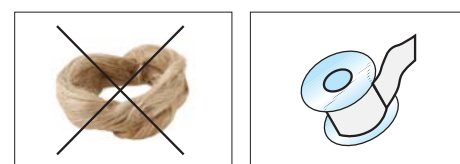
PUTTIES

Important

Those products which may be used for the filtration and treatment of drinking water are clearly indicated in the catalogue. All products are fully compliant with European (EU) regulations.

All the other products can be used in technological applications.

Atlas Filtri declines all responsibility in the case of non-compliance with the laws in force on the use of its products for the filtration and treatment of drinking water.



HEMP

TEFLON TAPE

Caution

All types of cartridge must be disposed off in accordance with the laws in force.

- ◆ **The most extensive range of products** in the water filtration/treatment sector.
- ◆ **Advice** on all aspects of water treatment, filtration and conditioning.
- ◆ **Information Bureau** at your service with all the latest technical and commercial information.
- ◆ **Punctual delivery** to all areas.
- ◆ **Detailed installation and servicing instructions** provided with all products.

- ▶ **FILTERS SX**
Plastic housings and cartridges with standard flat seals (DOE). Height of models 4", 5", 7", 10", 20".
- ▶ **FILTERS BX**
Plastic housings and cartridges featuring 'quick-fit' connections with 45 mm double O-ring collar. Height of models 5", 7", 10", 20".
- ▶ **FILTERS AX**
Plastic housings and cartridges featuring 'quick-fit' connections with 39,70 mm double O-ring collar. Height of models 5", 7", 10", 20".
- ▶ **FILTERS K**
Brass head housings and cartridges featuring 'quick-fit' connections with double O-ring. Height of models 5", 7", 10", 20".
- ▶ **ANTI-SCALE SYSTEMS**
Proportional and non-proportional dosing systems with polyphosphate crystals. Height of models 4", 5", 7", 10".
Brass-head proportional dosing systems with polyphosphate powder or with ready-to-use polyphosphate refill. Template models, in-line models, 'T' connection models, models with or without by-pass valve.
Magnetic anti-scale systems.
- ▶ **TECHNO APPLIANCES**
Automatic softeners with timer or volumetric control valves. Models with integrated or with separated brine tank. Capacity of models from 5 to 300 litres.
Automatic iron-removing appliances with timer or volumetric control valves. Capacity of models from 25 to 300 litres.
Automatic chlorine-removing appliances with timer or volumetric control valves. Capacity of models from 25 to 300 litres.
Quartzite sand filters impurity-removing appliances with timer or volumetric control valves. Capacity of models from 25 to 300 litres.
UV-lamp units for water sterilization. Flow rate from 120 to 2800 litres/h.



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COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

ATLAS FILTRI[®]
improving water