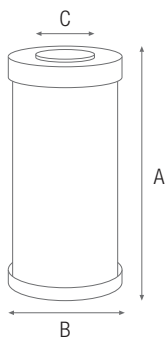


# New models of **BIG** FILTER CARTRIDGES

for housings with OD 4,50" - *the BIG Story continues...*



## WORKING CONDITIONS

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

## SPECIFICATIONS

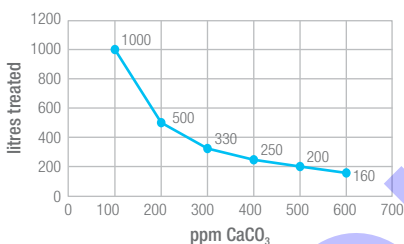
Selected raw materials, suitable for drinking water.  
 Endcaps: HIPS (High Impact Polystyrene)  
 Container: MABS (Methyl Methacrylate-Acrylonitrile-Butadiene-Styrene)  
 Flat seal: TPR (ThermoPlastic Rubber)  
 Net: AISI 304  
 Grid: Polypropylene  
 Containing Pad: PET

## QA CF BIG SX

CONTAINER WITH STRONG ACID CATION EXCHANGE RESIN

CODE	MODEL	NOMINAL HEIGHT	RECOMMENDED FLOW RATE l/h	DIMENSIONS MM		
				A	B	C
<b>OD 4.50" x ID 1.10"</b>						
RA5205535	QA CF 10 BIG SX TS	10"	110	250	120	28
RA5207535	QA CF 20 BIG SX TS	20"	200	509	120	28

Plastic container filled with strong acid cation exchange resin, for the reduction of total hardness (TH) and providing water softening with removal of Calcium and Magnesium. QA CF BIG cartridges are available in 10" and 20" height.



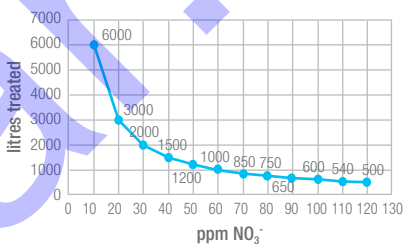
**Water softening.**  
**Average life-span:** see the graph.  
**Maintenance:** none.  
**Remark** - Use a pre-filter to protect the cartridge.  
**Note:** the cartridge does not change its colour when exhausted.  
 Check the depletion of the resin with the specific Atlas Filtri EASY TEST strips.  
**Treatment material:** strong acid cation exchange resin.  
 Max concentration Cl \_\_\_\_\_ 0,1 ppm  
 Max concentration Fe \_\_\_\_\_ 0,1 ppm

## QA AF BIG SX

CONTAINER WITH STRONG BASE ANION EXCHANGE RESIN

CODE	MODEL	NOMINAL HEIGHT	RECOMMENDED FLOW RATE l/h	DIMENSIONS MM		
				A	B	C
<b>OD 4.50" x ID 1.10"</b>						
RA5355535	QA AF 10 BIG SX TS	10"	110	250	120	28
RA5357535	QA AF 20 BIG SX TS	20"	200	509	120	28

Plastic container filled with anti-nitrate selective strong base anion exchange resin, for the reduction of nitrate content in drinking water. The concentration of nitrates in drinking water below 50 mg/l is strongly recommended by World Health Organization (WHO) guidelines. QA AF BIG cartridges are available in 10" and 20" height.



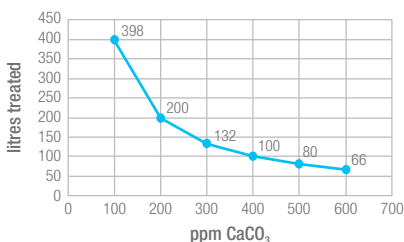
**Reduction of nitrates.**  
**Average life-span:** see the graph.  
**Maintenance:** none.  
**Remark** - Use a pre-filter to protect the cartridge.  
**Treatment material:** strong base anion exchange resin, nitrates selective.  
 Max concentration NO<sub>3</sub><sup>-</sup> \_\_\_\_\_ 200 ppm  
 Max concentration SO<sub>4</sub><sup>2-</sup> \_\_\_\_\_ 200-300 ppm

## QA LM BIG SX

CONTAINER WITH MIXED BED COMPOSED BY CATION AND ANION EXCHANGE RESINS

CODE	MODEL	NOMINAL HEIGHT	RECOMMENDED FLOW RATE l/h	DIMENSIONS MM		
				A	B	C
<b>OD 4.50" x ID 1.10"</b>						
RA5215535	QA LM 10 BIG SX TS	10"	60	250	120	28
RA5217535	QA LM 20 BIG SX TS	20"	90	509	120	28

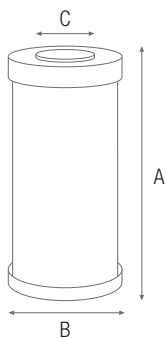
Plastic container filled with cation and anion exchange resins, for the reduction of water salinity. QA LM BIG cartridges are available in 10" and 20" height.



**Water demineralization.**  
**Average life-span:** see the graph.  
**Maintenance:** none.  
**Remark** - Use a pre-filter to protect the cartridge.  
**Note:** the green resin changes its colour from green to blue when exhausted.  
**Treatment material:** mixed bed composed by cation and anion exchange resins.  
 Max concentration Cl \_\_\_\_\_ 0,1 ppm  
 Max concentration Fe \_\_\_\_\_ 0,1 ppm

# New models of **BIG** FILTER CARTRIDGES

for housings with OD 4,50" - *the BIG Story continues...*



## WORKING CONDITIONS

Max working temperature  
 LA BIG and P BIG \_\_\_\_\_ 45°C (113°F)  
 HA \_\_\_\_\_ 35°C (95°F)  
 Min working temperature \_\_\_\_\_ 4°C (39,2°F)

## SPECIFICATIONS

Selected raw materials, suitable for drinking water.  
 Endcaps: HIPS (High Impact Polystyrene)  
 Container: MABS (Methyl Methacrylate-Acrylonitrile-Butadiene-Styrene)  
 Flat seal: TPR (ThermoPlastic Rubber)  
 Net: AISI 304  
 Grid: Polypropylene  
 Containing Pad: PET

## LA BIG SX

CONTAINER WITH GRANULAR ACTIVATED CARBON

CODE	MODEL	NOMINAL HEIGHT	RECOMMENDED FLOW RATE l/h	DIMENSIONS MM		
				A	B	C
<b>OD 4.50" x ID 1.10"</b>						
RA5185535	LA 10 BIG SX TS	10"	1100	250	120	28
RA5187535	LA 20 BIG SX TS	20"	1700	509	120	28
RA5345535	LA-Ag 10 BIG SX TS	10"	1100	250	120	28
RA5347535	LA-Ag 20 BIG SX TS	20"	1700	509	120	28

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-Ag with silver impregnated carbon for bacteriostatic effect. LA BIG cartridges are available in 10" and 20" height.

**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.

**Treatment material:** granular activated carbon from coconut shell.

## HA BIG SX

CONTAINER WITH POLYPHOSPHATE CRYSTALS

CODE	MODEL	NOMINAL HEIGHT	RECOMMENDED FLOW RATE l/h	DIMENSIONS MM		
				A	B	C
<b>OD 4.50" x ID 1.10"</b>						
RA5195535	HA 10 BIG SX TS	10"	3300	250	120	28
RA5197535	HA 20 BIG SX TS	20"	4000	509	120	28

Plastic container filled with polyphosphate crystals for anti-scale water conditioning providing prevention from scale deposit and calcareous incrustation and protection from corrosion for water heaters, washing machines, pipes. HA BIG cartridges are available in 10" and 20" height.

**Anti-scale and anti-corrosion conditioning.**

**Max life-span:** 6 months.

**Maintenance:** none.

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

**Treatment material:** polyphosphate crystals

Max total hardness \_\_\_\_\_ 50°f (500 ppm CaCO<sub>3</sub>)

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

## P BIG SX

EMPTY CONTAINER

CODE	MODEL	NOMINAL HEIGHT	DIMENSIONS MM		
			A	B	C
<b>OD 4.50" x ID 1.10"</b>					
RB5175525	P 10 BIG SX TS	10"	250	120	28
RB5177525	P 20 BIG SX TS	20"	509	120	28

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 in 10" and 20" height.