

Filter Cartridges

Active carbon cartridges



i DESCRIPTION

These Cartridges act by means of a physicochemical property of the active carbon (adsorption) and in some cases associated with the filtration action of various filtering materials.

AQUA uses various active granulated carbon, suggesting the most appropriate types according to the conditions and diverse needs of filtering required. Our active granulated carbon extracted from vegetable coco fruit has characteristics that are very suitable for treating water in general.

These active carbon cartridges have the following specifications :

GRAIN HARDNESS

- Insignificance presence of Carbon Powder Residuals.

VERY HIGH SURFACE FILTRATION AREA (up to 1500m²/g)

- High Adsorption;
- Longer life.

VERY HIGH RETENTION CAPACITY

- Insignificant presence of ash, less impurity.

The general characteristics in understanding what makes a very efficient carbon cartridge are the following:

- Pre-Filtration

Treatment of water beforehand, through a pre-filtration action which permits a first treatment of the water itself allowing a longer life to the cartridge;

- Absorption performance of the carbon It is determined by the quality and quantity of carbon used. Also the contact time has a very important impact on the final result. In fact the longer the water remains in contact with the carbon (flow rate) the stronger the carbon adsorption effect will be, thus purifying the water;

- Post-Filtration

Treatment of water after hand, through a post-filtration action which permits a further treatment of the water itself and eliminating any suspended carbon residuals.

Having all three the above elements will no doubt reduce the flow rate. This means a better performance of the process because it optimises the active carbon action. Active carbon will in the end saturate and the life time depends on how the cartridge is being used. We highly recommend following the instructions on our data sheet relevant to each type of carbon cartridge.

Thanks to the exceptional quality of our Melt Blown Pre & Post filtration, our GAC active carbon cartridges guarantee a perfect and superior quality cartridge. These pre & post filters not only will withhold all suspended particles and carbon fines but also will regulate the water flow thus assuring a perfect removal of chlorine.

o TECHNICAL FEATURES

Characteristic	CA-CA BLU	GAC	GAC BIG	CTO-E	CTO-E BIG	RLA-CA	FA	FRN	FRNPLUS
	Granular	Granular	Granular	Carb Block	Carb Block	Granular	Granular	Granular	Granular
Pre filter	PU	PP	PP	PES	PES	PA	PP	PP	PP
Post filter	PU	PP	PP	PES	PES	PES	PES	PES	PES
Core	-	-	-	-	-	-	-	PP	ABS
Outer cage	PST/PP	PP	PP	-	-	PP	PP	-	-
End caps	SOE/PST	DOE/PP	DOE/PP	DOE/PP	DOE/PP	SOE/PP	SOE/PP	SOE	SOE
O-Ring/Gasket	SEBS	SEBS	SEBS	SEBS	SEBS	SEBS	-	-	-
Length (a) inches	5"-7"-9" -20"	9" -20" -30"	9" -20" -30"	9" -20"	9" -20"	5"-7"-9" -10" -20"	5"-7"-9" -10" -20"	5" -9" -20"	9"
Inner diameter (b)mm	27	26	26	26	36	27	30	27	27
Outer diameter (c)mm	72	72	120	72	115	65	70	63	63
Pre filter	20	40	40	10	10	80	20	5/20	20
Post filter	20	40	40	-	-	20	-	-	-
Efficiency - Pre/Post filter	75%	95%	95%	95%	95%	75%	80%	95%	95%
Max working pressure	8 BAR	8 BAR	8 BAR	8 BAR	8 BAR	8 BAR	8 BAR	8 BAR	8 BAR
Max differential pressure	0.8 BAR	0.8 BAR	0.8 BAR	0.8 BAR	0.8 BAR	0.8 BAR	0.8 BAR	0.8 BAR	0.8 BAR
Max working temperature	50°C	50°C	50°C	50°C	50°C	50°C	50°C	50°C	50°C



Filter Cartridges

Active carbon cartridges



ACTIVE CARBON CARTRIDGES series CA-POST20 / POST FILTER 20 MICRON

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Box Wt	Box Dimensions axbxc mm	Price	B
A4120010	5	20	108	30	7.40	410X290X250	£7.91	
A4120020	7	20	144	15	5.71	410X290X250	£9.12	
A4120030	9%	20	216	15	8.21	410X290X250	£9.45	
A4120040	20	20	480	15	16.00	410X540X250	£22.72	



CA-POST20

ACTIVE CARBON CARTRIDGES series CA-POST20 BLUE / POST FILTER 20 MICRON

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Box Wt	Box Dimensions axbxc mm	Price	B
A4120050	5	20	108	30	7.40	410X290X250	£7.90	
A4120060	7	20	144	15	5.71	410X290X250	9.12	
A4120070	9%	20	216	15	8.21	410X290X250	£9.44	
A4120080	20	20	480	15	16.00	410X540X250	£22.72	



CA-POST20 BLUE

ACTIVE CARBON CARTRIDGES series GAC-40CC / PRE-POST 40 MICRON FILTER

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Box Wt	Box Dimensions axbxc mm	Price	B
A4120560	9%	20	228	15	8.75	410X290X250	£11.04	
A4120570	20	20	456	15	18.37	410X290X250	£26.11	



GAC-40CC

ACTIVE CARBON CARTRIDGES series GAC-40CC BIG / PRE-POST 40 MICRON FILTER

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Box Wt	Box Dimensions axbxc mm	Price	B
A4120620	9%	40	480	6	8.37	410X290X250	£31.60	
A4120630	20	40	840	6	16.02	410X540X250	£68.72	
A4120660	30	40	1200	4	16.60	820X280X350	£98.90	



GAC-40CC BIG

CARBON BLOCK CARTRIDGES series CTO-E

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Box Wt	Box Dimensions axbxc mm	Price	B
A4220050	9%	10	240	25	10.50	310X550X250	£8.89	
A4220070	20	10	450	12	10.80	310X550X250	£19.44	



CTO-E

CARBON BLOCK CARTRIDGES series CTO-E BIG

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Box Wt	Box Dimensions axbxc mm	Price	B
A4220110	9%	10	480	12	18.50	390X560X270	£26.62	
A4220120	20	10	840	6	18.50	390X560X270	£67.26	



CTO-E BIG

Filter Cartridges

Active carbon cartridges



WASHABLE NET CARTRIDGES WITH ACTIVE CARBON series RLA-CA

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Box Wt	Box Dimensions axbxc mm	Price	B
A4090010	5	80	72	30	7.65	410X290X250	£9.61	
A4090020	7	80	44114	15	5.21	410X290X250	£10.75	
A4090030	9%	80	144	15	6.62	410X290X250	£12.23	



RLA-CA

ACTIVE CARBON CARTRIDGES series FA-CA / PRE-POST 20 MICRON FILTER

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Box Wt	Box Dimensions axbxc mm	Price	B
A4210020	5	20	84	30	7.50	410X290X250	£7.71	
A4210030	7	20	126	15	5.14	410X290X250	£8.62	
A4210040	9%	20	156	15	6.34	410X290X250	£9.88	
A4210050	10	20	156	15	6.60	410X290X250	£9.92	
A4210060	20	20	312	15	14.20	410X540X250	£20.32	



FA-CA

Code	Description	Price
A6010210	cartridge gasket to fit GAC, CTO, RLA, CV	0.86



A6010210

ACTIVE CARBON CARTRIDGES series FRN-CA / PRE-POST 40 MICRON FILTER

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Box Wt	Box Dimensions axbxc mm	Price	B
A4210530	5	5	60	30	4.20	410X290X250	£7.06	
A4210540	9%		120	15	3.91	410X290X250	£8.54	
A4210550	20		210	15	7.68	410X540X250	£18.19	
A4210510	5	20	60	30	4.20	410X290X250	£7.06	
A4210500	9%		120	15	3.90	410X290X250	£9.11	
A4210520	20		210	15	7.70	410X540X250	£18.19	



FRN-CA-Plus



FRN-CA

ACTIVE CARBON CARTRIDGES series FRN-CA PLUS / POST 40 MICRON FILTER

Code	Length inches	Micron	Flow Rate l/hr	Box Qty	Box Wt	Box Dimensions axbxc mm	Price	B
A4210600	9%	20	180	15	3.91	410X290X250	£10.19	