



GAC cartridge



These cartridges act by means of a physical/chemical property of the active carbon. Our active granulated carbon extracted from vegetable coco fruit has characteristics that are suitable for treating water in general. The main characteristics that indicate the grade of efficiency of a cartridge, are the following; **Pre-Filtration:** Treating water beforehand through an efficient pre-filtration action permits a first stage treatment of water allowing therefore a longer life to the cartridge. **Carbon Absorption Efficiency:** The quality and quantity of carbon used determines the efficiency of the cartridge itself. It is important however the contact time of water with carbon to determine the overall efficiency of the cartridge. The longer the water remains in contact with the carbon, higher will be the grade of purification of the water itself. **Post-Filtration:** Treating water after hand through an efficient post-filtration action permits a further treating of water and also the elimination of eventual carbon residuals. Having the above three elements will no doubt reduce the flow rates but this means a better and much more efficient process of the water through the carbon media. Thanks to the exceptional quality of our melt blown Pre & Post filter media, our GAC series guarantee a perfect and superior quality cartridge. The Pre & Post media will not only withhold suspended particles but also regulate the flow rate through the carbon thus assuring a perfect removal of chlorine.

Technical Characteristics

| | |
|---------------------------|-----------------------|
| Pre & Post filter | PP – 40 micron |
| Outer cage | PP |
| End caps | DOE-PP |
| Gasket | NBR |
| Inner Diameter | 26mm |
| Outer Diameter | 72mm (Aqua Big) 120mm |
| Max. Working temperature | 50°C |
| Pre/Post Efficiency | 95% |
| Max Working pressure | 6 bar |
| Max differential pressure | 0.8 bar |

Max water flow rate at 20°C and differential pressure of 0,15 bar

Flow rates (Ltr/hr)

| Model | Length | Recommended flow rate | Chlorine reduction flow rate |
|--------------|--------|-----------------------|------------------------------|
| GAC-40CC | 9" 3/4 | 3.8 lpm @ 0.2 bar | 28,400 Lt @ 3.8 lpm |
| GAC-40CC | 20" | 8 lpm @ 1 bar | 58,000 Lt @ 8 lpm |
| GAC-40CC BIG | 9" 3/4 | 8 lpm @ 0.2 bar | 180,000 Lt @ 8 lpm |
| GAC-40CC BIG | 20" | 14 lpm @ 0.4 bar | 360,000 Lt @ 14 lpm |

Cartridge Options

| Model | Code | Length | Micron | Box Qty. |
|--------------|----------|--------|--------|----------|
| GAC-40CC | A4120560 | 9" 3/4 | 40 | 15 |
| GAC-40CC | A4120570 | 20" | 40 | 15 |
| GAC-40CC BIG | A4120620 | 9" 3/4 | 40 | 6 |
| GAC-40CC BIG | A4120630 | 20" | 40 | 6 |

Applications
Water treatment, food/beverage.

