



AquaMAX™ FC Series

Filter Cartridge & Carbon Block Activated Carbon

Coconut Shell-Based Activated Carbon for
POU / POE Water Filter Cartridges, Carbon
Blocks and Appliance Filtration

Product Overview

AquaMax – FC Series carbons are engineered for water filter cartridge filling, carbon block extrusion / compression moulding, RO pre-filtration and compact POU / POE filtration systems where controlled particle size, low fines, low leachables and consistent adsorption performance are critical.



Performance Philosophy

Optimized pore structure for chlorine, taste, odour, VOCs and selected organic contaminants removal

Key Performance Advantages

- Controlled D50 via laser PSD
- Low soluble impurities
- Excellent molding and flow properties
- Renewable coconut shell base

Typical Applications

Residential water purifiers
RO pre-filtration
Carbon block filters
Appliance and beverage filtration

Packaging, Handling & Safety

Standard Packing: 25 kg PP / HDPE woven bags with PE inner liner for GAC; 20 kg or 25 kg moisture-protected PE / HDPE bags or valve sacks for powder grades; 500 kg FIBC / jumbo bags with liner for GAC; palletised export packing and custom OEM / private-label packing available on request.



Product Grades & Typical Specifications

Parameter	Specification
Iodine Number	900–1300 mg/g
BET Surface Area	900–1300 m ² /g
Moisture	≤5 %
Ash Content	≤3 %
Extractable pH	6–11
Mean Particle Size (D50)	5–500 µm

Add Test Methods

Parameter	Specification
Iodine Number	ASTM D4607
BET Surface Area	ASTM D6556 / BET-N2
Moisture Content	ASTM D2867
Ash Content	ASTM D2866
Extractable pH	ASTM D3838
Mean Particle Size (D50)	Laser diffraction

Available Grades

GAC for cartridges
Carbon block powders
Catalytic carbon
Silver impregnated grades
PFAS-targeted modified carbons

Certifications & Compliance

NSF-61*
NSF-42*
Prop-65*
FCC-compliant grades*
*Grade specific

Disclaimer

Final product suitability depends on filter design and operating conditions.

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