TECHNICAL INFORMATION

PERFLUORINATED COMPOUNDS REDUCTION

Perfluorinated compounds (PFAS) have become a significant concern in water treatment due to their persistence in the environment and potential health risks. AirAqua Carbons offers comprehensive solutions to address this challenge, including activated carbon, ion exchange resin, and expert services.

Our proprietary activated carbons, PF grades, are designed specifically for PFAS removal. Its unique pore structure, featuring a combination of micro, meso and macropores, provides exceptional performance in capturing and removing these contaminants from water sources.

Whether you're facing PFAS contamination in groundwater or surface water, AirAqua Carbons can provide tailored solutions to meet your specific needs.

SPECIFICATION

Iodine adsorption	minimum	1000 mg/g
Apparent density	maximum	440 kg/cum
Moisture content, as packed	minimum	5%
Total ash content	maximum	10%
Ball pan hardness	minimum	93%

PF grade is suitable for treatment of water – ground & surface water.

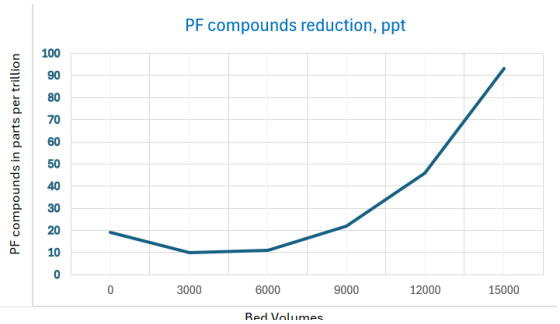
PARTICLE SIZES AVAILABLE

8×30

10×40
12×40
Other sizes available on request

FEATURES AND BENEFITS

Superior Hardness
Clean and low ash content
Drinking water grade
Approvals: NSF, Kosher & Halal



The graph shows the performance of PF 70 in a column test, with inlet PFOA/PFOS concentration of 700 ppt.

PF grades Exhibits high PFAS removal capabilities, leading to lower operational costs and improved treatment efficacy.

Activated carbon has a high surface area with numerous pores, allowing it to effectively adsorb PFOA/PFOS molecules from water. This high adsorption capacity ensures efficient removal, even at low concentrations.

Activated carbon technology is well-established and widely used for water treatment. Its reliability and proven effectiveness in removing various contaminants, including PFOA/PFOS, make it a trusted solution.

Compared to some emerging technologies, activated carbon is often a more cost-effective solution, especially for large-scale treatment applications. Its lower operational costs and relatively simple maintenance requirements contribute to its economic

Gaia Carbon is based in Singapore and with plants in Johor Bahru, Malaysia. Gaia Cabron produces premium-quality coconut shell-based activated carbon to suit a diverse range of client needs – including water treatment, gas phase, precious metal extraction and polyvinyl acetate catalyst support application. Gaia Carbon takes pride in being able to produce a superior product designed to suit the client's requirement. From the selection of raw material to the delivery of the final product, Gaia Carbon's manufacturing procedures and process are governed by stringent quality control to ensure its product's superiority. The processes and controls are supported by a management team with two decades of experience and expertise in activated carbon manufacturing and application.