

PFAS REMOVAL CARBON 5000 SERIES

Municipal Water Treatment

WHAT ARE PER- & POLYFLUOROALKYL SUBSTANCES (PFAS)?

Per- and Polyfluoroalkyl Substances (PFAS) are a large group of man-made chemicals, and among them, PFOA and PFOS are the most discussed PFAS. These chemicals are characterized by a chain of carbon atoms bonded to fluorine atoms, which makes them highly resistant to heat, water, and oil. This resistance to breakdown, combined with their strong chemical stability, gives PFAS the nickname "forever chemicals."

These properties have led to their use in products such as non-stick cookware, water-repellent clothing, protective coatings, and firefighting foams. However, the environmental persistence and health implications associated with PFAS exposure have raised significant concerns. Regulatory bodies like the U.S. Environmental Protection Agency (EPA) and the European Food Safety Authority (EFSA) are implementing guidelines to limit PFAS levels in various consumer products, aiming to reduce health risks such as cancer, hormonal disruption, and liver damage.

PFAS are found in all environmental media, including groundwater, soil, sediment, surface water, rainwater, snow, and ice worldwide. Soil contamination can occur from various sources such as aqueous film-forming foams (AFFFs) used in firefighting, wastewater treatment plant effluents, and landfill leachate. PFAS concentrations in soil can range from a few parts per trillion (ppt) to thousands of parts per billion (ppb), depending on the source of pollution.

PRODUCT OFFERINGS

The Haycarb PFAS removal carbon 5000 series surpasses traditional bituminous coal-based carbons in removing various PFAS compounds, including PFOA, PFOS, PFBS, PFPeS, PFHxS, PFHpS, PFHxA, and PFHpA. Our product is engineered to target low-level contaminants at the ppt/ppb levels, and it refines water quality to the most stringent standards.

Our product series is NSF-61 certified and demonstrates superior efficacy in removing both short- and long-chain PFAS compounds. It meets the safety and performance standards required for GAC municipal water treatment systems. Designed for simplicity and effectiveness, this solution requires minimal operator involvement, making it a reliable and high-performance choice for industries and municipalities aiming to improve their water treatment systems. In comparative tests, it not only removes PFOA and PFOS efficiently but also extends its capabilities to shorter-chain compounds, underscoring its broad-spectrum effectiveness.



FEATURES & BENEFITS

- Produced from high-quality coconut shell-based materials, resulting in a consistent and superior product.
- Activated uniformly throughout each granule, ensuring excellent adsorption properties and stable adsorption kinetics.
- Structured to ensure effective wetting and minimize floating materials.
- Maintains consistent adsorption characteristics, maximizing bed life.



RWAO Product Guide

Performance	RWAO 5101	Bituminous Coal
PFOA, PFOS and PFHxS removal	++++	++
Other organic contaminants	++++	++

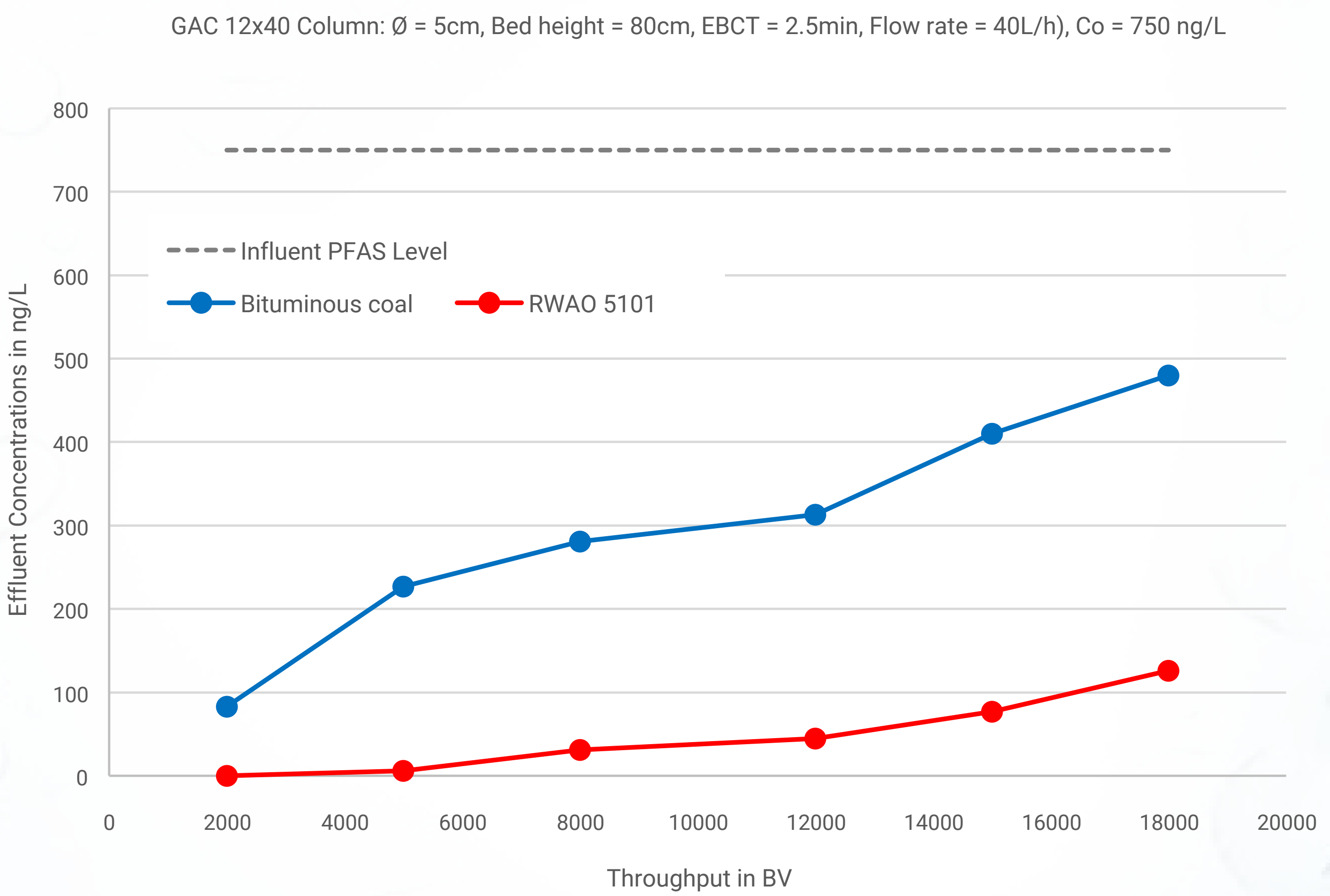
Superior performance +++++ Standard performance ++

Note: Products are available with iodine values ranging from 1000 to 1200. Particle sizes available include 8x30, 12x30, 12x40, 14x45, 20x50, 80x325, M325, etc.

TOTAL PFAS



PFAS-3 (PFOA, PFOS, PFHXS)



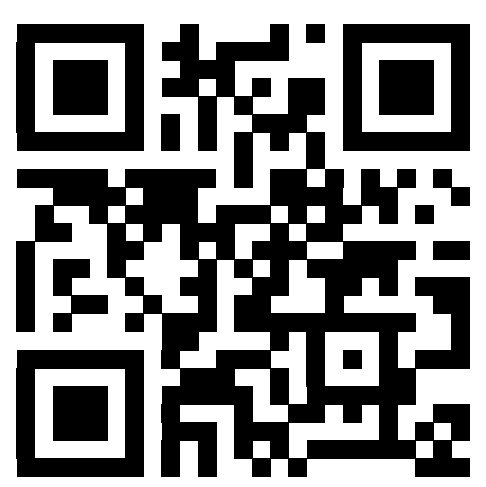
*The tests have been performed for the size 12X40

PACKAGING: Standard packaging is primarily designed to prevent the deterioration of accurately graded granules and to prevent the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated upon request.

BULK BAG
Net. 500 kg

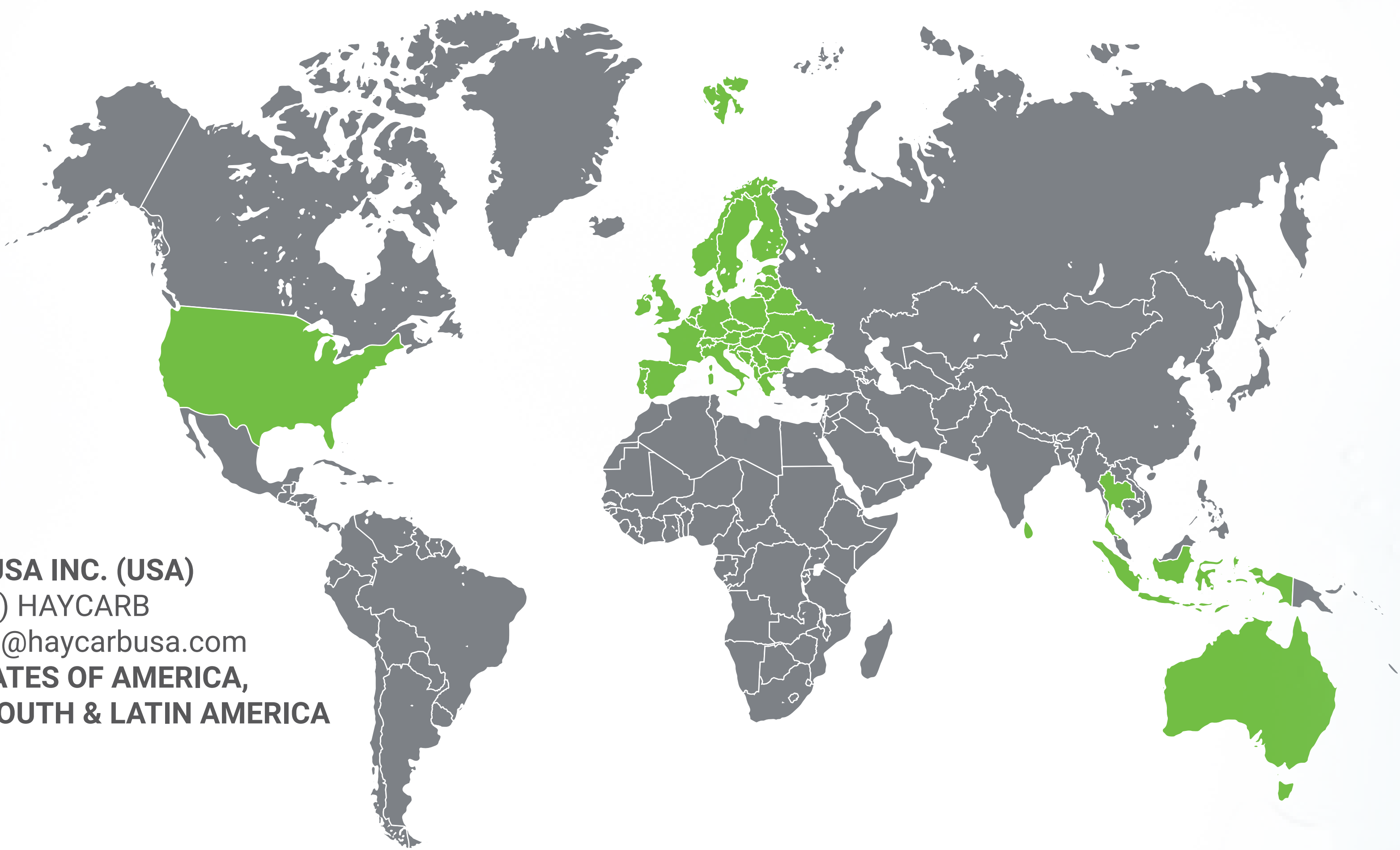
SACKS
Net. 25 kg

PE VALVE BAG
Net. 12.5 kg



'ACTIVATE' Haycarb's ESG Roadmap 2030

CONTACT US



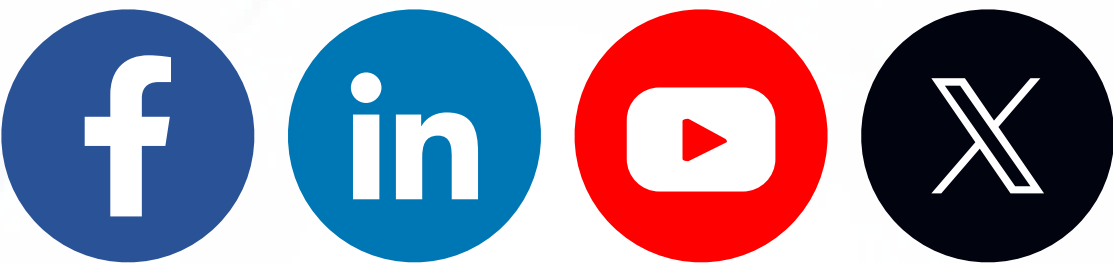
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