

Water Treatment

Activated carbon is used extensively in the purification of water, the objective normally being one of the following:

- Making the water suitable for human consumption
- Allowing the water to be used in specific industrial processes
- Purifying effluent water to meet discharge permits

Sectors where activated carbon enjoys widespread use include the following:

- Water utilities
- Wastewater treatment
- Chemicals and pharmaceutical producers
- Food producers
- Soil remediation
- Landfill operators
- Point-of-use filter producers

Activated carbon is ideal for removing a wide range of impurities from water. Depending on the application, it is often considered the best available technique for the removal of the following groups of compounds:

- Colour, taste and odour compounds in drinking water
- Persistent organic pollutants, including pesticides, herbicides and PFAS-group chemicals
- Various other organic pollutants, including hydrocarbons, VOCs, adsorbable organic halides (AOX) and the BTEX group of compounds

CPL and Puragen Activated Carbons supply a wide range of premium activated carbons suitable for all of the above water treatment applications. Our AQM® range has many references in the drinking water industry and our new FiltraCarb® CH range is proving extremely effective for PFAS removal.

Water treatment activated carbons are supplied in either a granular form (GAC) or powdered form (PAC). PAC is a single-use material used in batch treatment processes, for example during seasonal spikes in groundwater treatment, whereas GAC is used in fixed or mobile filters with the water passing through the carbon bed.

One key advantage of GAC is that it can be recycled, via thermal reactivation, once it has been used. CPL Activated Carbons has a state-of-the-art spent carbon reactivation facility in the UK, and we would be happy to discuss this option with you.



Activated carbon can be supplied in big bags, bulk silo trucks, or in our range of AquaSorber® mobile carbon filters. These filters vary in size and flow rate, depending on the optimum solution for each customer's process, offering a convenient 'plug & play' solution that avoids the need for CAPEX in fixed filter systems.

In summary, CPL and Puragen Activated Carbons can supply a range of products and services to assist customers solve their water purification challenges:

- A range of FiltraCarb® activated carbons
- AquaSorber® mobile carbon vessels, supplied on a rental basis
- Spent carbon reactivation, subject to Carbon Acceptance



CPL Puragen
Activated Carbons



**For more information,
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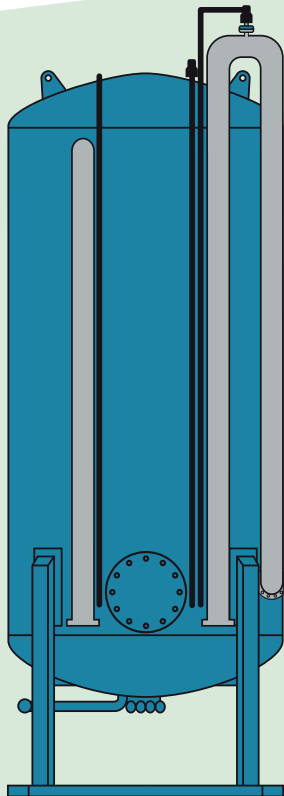
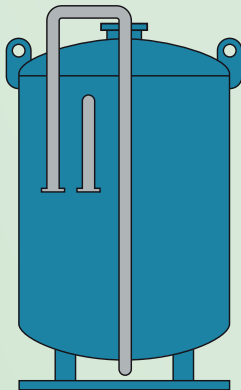
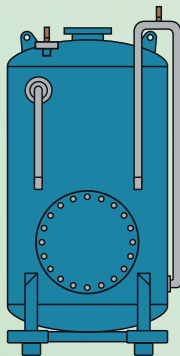


Mobile Filter Range

LIQUID
PHASE

Typical Applications
Drinking water, liquid chemicals, process water,
remediation, wastewater.

CPL Puragen
Activated Carbons



Key Parameters	Clean-Flo® HY1	Clean-Flo® AquaSorber® 2-SX	Clean-Flo® AquaSorber® 5	Clean-Flo® AquaSorber® 22-100
Maximum flow rate (m³/h)	1.1	12	20	100
Typical carbon volume (m³)	0.18	2	5	22
Dimensions (metres)	0.8 × 0.6	2.5 × 1.4 × 1.3	3.0 × 2.1 × 1.7	7.0 × 2.7 × 2.5