



**condorchem
envitech**

ACTIVATED CARBON FILTERS

For VOC treatment in CSP plants.



ACTIVATED CARBON FILTERS

Condorchem Envitech offers and supplies different types of high-performance activated carbon filters, including mobile filters.

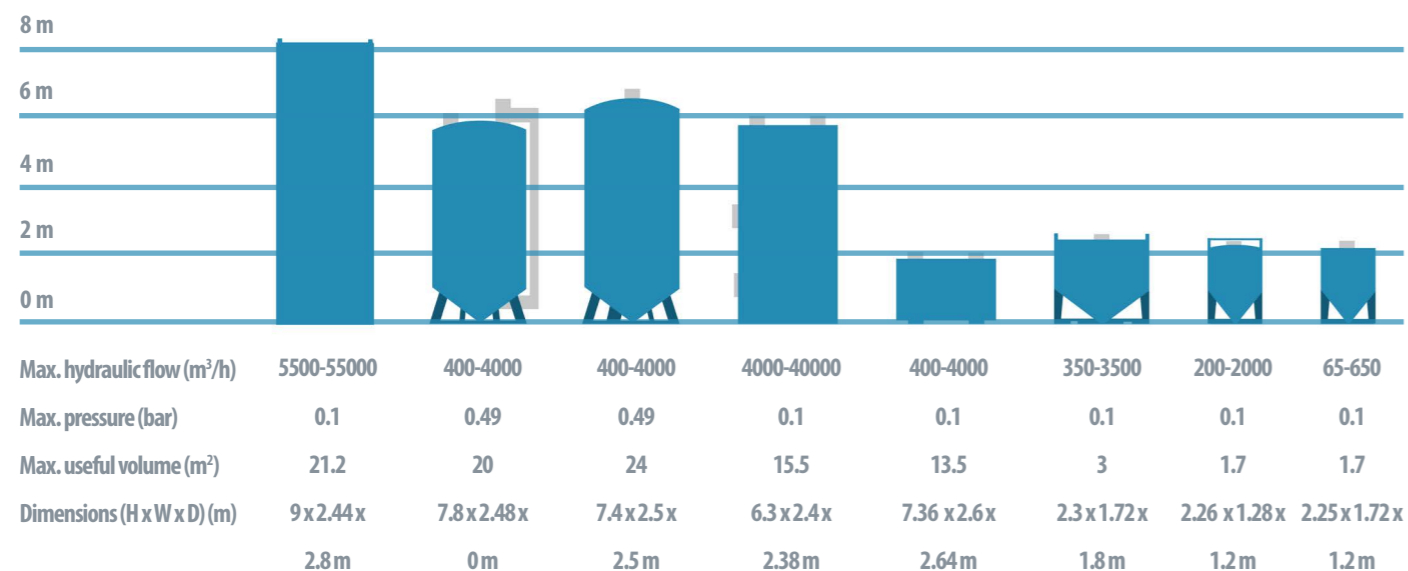
Activated carbon is a non-hazardous carbon-bearing product with a porous structure and a very large internal surface area. The chemical structure of activated carbon can be defined as a crude form of graphite, with a random amorphous structure that is highly porous over a range of pore sizes, from visible cavities and gaps to those of molecular dimensions.

Treatment with activated carbon is based primarily on the phenomenon known as adsorption, in which molecules of a liquid or gas adhere to an external or internal surface of a solid substance. Activated carbon has a very large internal surface area which makes it highly suitable for adsorption.

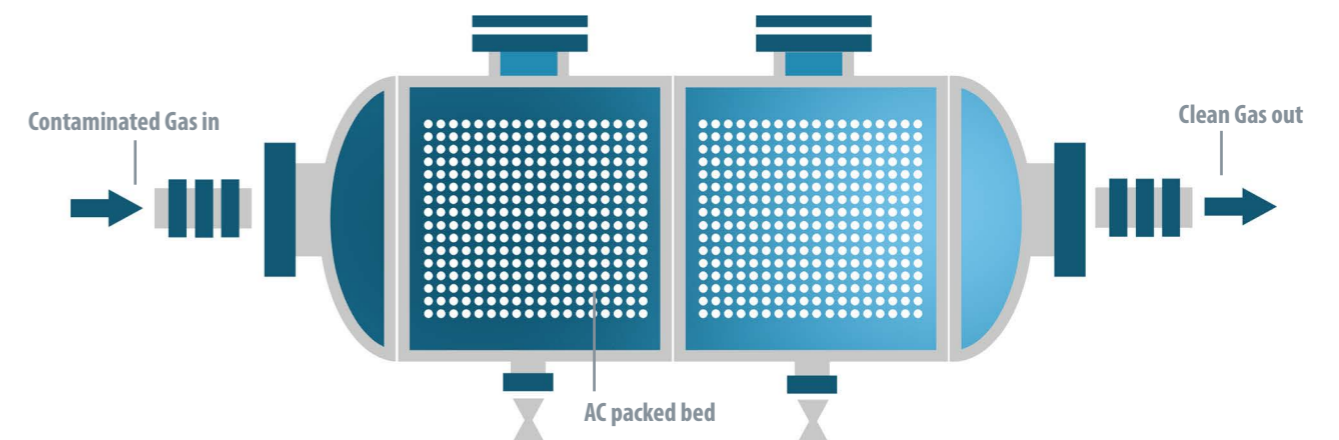
Advantages

- Great ease of use: simple to connect and start up – Plug & Play
- Designed as a transportable tank and activated carbon filter so used and new activated carbon need not be handled on site
- Compact units to deal with a wide variety of flows and concentrations
- No maintenance costs, not sensitive to capex.
- Modular system for easy and flexible installation

STANDARD AC FILTERS



VOC ABATEMENT



Condorchem Envitech is one of the world's leading companies in the treatment of volatile organic compounds in Concentrated Solar Power (CSP) plants. 25% of the plants installed worldwide have our solutions for the treatment of VOC generated in their ullage system. Some of our main references, as of March 2017, are:

- Mojave (USA)
- Solana (USA)
- Helios 1 (Spain)
- Helios 2 (Spain)
- Ouarzazate – Noor I (Morocco)
- Noor II (Morocco)
- Morón (Spain)
- Olivenza (Spain)
- La Florida (Spain)
- La Dehesa (Spain)
- Bokpoort (South Africa)
- Borges (Spain)
- Soluz Guzmán (Spain)
- Enerstar Villena (Spain)
- Shagaya (Kuwait)
- Kathu (South Africa)
- Ilanga (South Africa)
- Duba Green (Saudi Arabia)
- Atacama (Chili)

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