

RENTALS - MOBILE FILTERS

Why rent our mobile filters?

We offer mobile filter vessels for a wide variety of adsorption applications. The filters are filled with virgin carbon or reactivated granular activated carbon (GAC). The benefits that a customer may derive from choosing mobile filters rather than permanent filter vessels are:

- ◆ Ideal for temporary solutions, e.g. emergencies
- ◆ Flexible rental period
- ◆ Modular set up allows the number of filters to be adapted
- ◆ Quick and easy to install; plug and play concept
- ◆ No on-site handling of GAC during exchanges
- ◆ Suitable for trial runs
- ◆ No capital investment needed by the user

Main applications

Gas/Air: AERO filters

In gas/air applications the mobile filters are used for purification of process exhaust gasses and vent air streams. Examples include combating the emissions of odorous compounds, solvents and siloxanes. The stainless steel filter is placed on a robust galvanized frame and is suitable for flows in the range of 150 - 2000 m³/h. For further details, see our Technical Bulletin 148.

Food/Beverage and Fine Chemicals: PURO filters

Typical applications for food/beverage and fine chemicals include the purification of beverages, sweeteners, glycerin, and pharmaceuticals. Treatment objectives are color removal, provision of long-term color stability and removal of off-tastes and odors. The filters are made from high-quality stainless steel and their design allows for optimal cleaning, to provide a food grade standard. The available capacity of the standard filters is 2 m³/h. For further details, see our Technical Bulletin 144.



Water: AQUA filters

Main applications for our mobile filters in the water industry are the treatment of contaminated groundwater, landfill leachate, industrial wastewater, and process water. For potable water dedicated filters are available. Treatment targets include the removal of overall organics such as COD and TOC and dissolved micropollutants such as chlorinated solvents, PAH, BTEX, and pesticides. The coated carbon steel filters (AQUA#50/60) are delivered by a dedicated truck, which is able to lift the filter into its upright position on-site. The AQUA#10 filters are made from high quality stainless steel. A range of mobile filters is available for flows of 1 – 60 m³/h. For further details, see our Technical Bulletins 124, 143 and 147.

Thermal reactivation of exhausted GAC

Today, the exhausted GAC is reactivated rather than disposed after being used one time. We offer reactivation services at our plants in the Netherlands, United Kingdom and Italy. Our rental filters are supplied from these sites as well. Transport of used GAC is subject of Regulation (EC) 1013/2006; for further information, please refer to our Technical Bulletin 84 "Reactivation of exhausted GAC: acceptance procedures and transport regulations in the EU".

Finding the right fit

For more information, please contact your nearest Cabot sales office or representative or visit our website cabotcorp.com/activatedcarboncontact. Ask for our rentals questionnaire so that we can provide you with more specific information regarding the availability and suitability of our rental filters.



Application	Type	Material	GAC volume (m ³)	Max. flow (m ³ /h)	Max. pressure (barg)	Max. temperature (°C)
Gas/Air	AERO#2000 filter	Stainless steel	2	2000	0,2	80
Food/Beverage	PURO#20 SS filter	Stainless steel	18	20	3	90
Fine Chemicals	PURO#2 filter	Stainless steel	2	2	5	90
Water	AQUA#60 filter	Coated carbon steel	18	60	3	60
	AQUA#50 filter	Coated carbon steel	15	50	3	60
	AQUA#10 filter	Stainless steel	2	10	5	60

We manufacture activated carbon in seven plants and reactivate carbon in four plants. Our sales, technical service and customer service teams are prepared to serve customers around the world.

So whether you have one operation or many facilities around the globe, we've got you covered.

Contact us at cabotcorp.com/activatedcarboncontact



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