

Renting Norit filters

Why rent Norit mobile filters?

Norit offers mobile filter vessels for a wide variety of adsorption applications. The filters are filled with fresh or reactivated granular activated carbon (GAC). The benefits that a customer derives 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 needed to be adapted
- Quick and easy to install
- No on-site handling of GAC during exchanges
- Very suitable for trial runs
- No capital investment needed by the user

Main applications

Gas/Air: Norit 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 150 - 2000 m³/h. For further details, see Norit Technical Bulletin 148.

Food/Fine Chemicals: Norit PURO# Filters

Typical applications for food/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, in order to ensure a food grade operation. The available capacity of the standard filters is 2 m³/h. For further details, see Norit Technical Bulletin 144.





Water: Norit AQUA# Filters

Main applications for the Norit 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 (Norit 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 10 – 60 m³/h. For further details, see Norit Technical Bulletin 124, 143 and 147.

Thermal reactivation of exhausted GAC

Today, the exhausted GAC is reactivated rather than used one-time and disposed. Norit provides reactivation services at its plants in The Netherlands, United Kingdom and Italy. The Norit 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 Norit 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 Norit sales office or agent or visit our web site www.norit-ac.com. Ask for our Rentals Questionnaire so that we can provide you with more specific information regarding the availability and suitability of Norit rental filters.

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



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Please visit our website to obtain information about your local supplier.

Norit Nederland BV reserves the right to make changes in the technical specifications at any time.

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