

Clean-Flo® AquaSorber® 22-100

The **Clean-Flo® AquaSorber® 22-100** is a high-quality mobile activated carbon adsorption filter designed for liquid purification applications.

Our Clean-Flo® mobile carbon filters are supplied to customer sites, on a rental basis, pre-filled with our high quality FiltraCarb® activated carbon media. They offer a convenient 'plug & play' filtration solution and, when the carbon inside is spent and needs replacing, the whole unit is exchanged for a fresh filter. The spent carbon is removed at one of our service centres and sent for recycling via thermal reactivation, before being returned to a service centre ready for re-use. We refer to this complete cycle as the REACT-Sys process.

We have an extensive portfolio of activated carbon media available, ideally suited to a wide range of liquid and gas phase purification applications. Our experienced team will ensure our customers are supplied with the optimum activated carbon for their particular purification challenge, based on many years of application experience within our commercial and technical teams.

Key Features

- Rapid and easy site installation
- Ready to connect for immediate use
- Connections within easy reach
- Anti-siphon system
- Small footprint
- No on-site carbon transfer
- Rental equipment – low CAPEX
- Cost effective operation – low OPEX
- Modular design for single, series or parallel operation arrangements
- Low pressure drop
- Approved lining for potable water – Eurokote Thixane 468
- Reactivation of spent activated carbon
- Supplied to ISO 9001, ISO 14001 and ISO 45001

Typical Applications

- Drinking water projects
- Wastewater treatment
- Groundwater remediation
- Process water purification



Technical & Operating Information

Recommended Max. Flow <i>subject to application review</i>	100 m ³ /h
Recommended Min. Flow <i>subject to application review</i>	-
Max. Operating Temperature <i>subject to application review</i>	60°C
Max. Operating Pressure	3 bar
Min. Operating Pressure	1 bar
Overpressure Protection	4 bar Relief Valve
Vent	-
Anti-siphon Valve	Yes
Dimensions (L x W x H)	2.7 x 2.5 x 7.0 m
Adsorption Chamber Volume	22 m ³
Inlet Connection	DN150 (6") PN16 flange (with isolation valve)
Outlet Connection	DN150 (6") PN16 flange (with isolation valve)
Drain Connection	1 x DN50 (2") BSP Female (with isolation valve)
Sample Port(s)	2 x DN25 (1") BSP Female (with isolation valve)
Lifting Lugs	No (dedicated trailer only)
Fork Lift Skids	n/a
Delivered Weight	14 MT
Typical Drained Collection Weight	22 MT
Internal Lining	Drinking Water Approved Epoxy Coating Eurokote Thixane 468
Pipework Material	Stainless Steel
Seals Material	EPDM

Safety Warning

Clean-Flo® AquaSorber® mobile filter units are not pressure vessels, but are designed to operate in applications where water pressure of up to 4 bar requires purification via the activated carbon present in the filter. They are not subject to the requirements that apply to Cat I and Cat II pressure vessels under PD5500 and they comply with the applicable standards by meeting Sound Engineering Practice (SEP) guidelines, as set out in the EU Pressure Equipment Directive (2014/68/EU). Avoid inhalation of carbon dust. Wet activated carbon depletes oxygen in confined spaces. Appropriate safety equipment should be worn when handling activated carbon products – refer to our SDS for more details.

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