



TW80

High-Capacity Activated Carbon Water Treatment Filter for Water and Groundwater Treatment

The TW80 activated carbon filter is a high-capacity solution designed for the treatment of large water volumes and contaminated groundwater. With a flow rate of 1-80 m³/h and an activated carbon volume of approximately 20 m³, the TW80 provides substantial adsorption capacity for groundwater dewatering projects, industrial water treatment and other applications requiring continuous treatment at high flow rates. The unit can operate independently or as part of a modular treatment system in series or parallel configuration. Its container-sized design allows efficient loading onto a truck and transportation between treatment sites, providing flexibility for both temporary projects and long-term water treatment applications.

Specification and Typical Properties*

Material	Painted steel / Stainless steel
Adsorber diameter	Approx. 2.4 m
Finish	Internal coating
Dimensions (L x W x H)	2,560mm x 2,560mm x 6,600mm
Empty weight	kg 5,200
Operating weight	Approx. 28,000 kg
Activated carbon volume	Approx. 20 m ³
System extension	Series / parallel configuration
Orientation	Standing
Heatable	Available on request
Factory assembly	Delivered ready for operation
Installation site	Indoor / outdoor
Permissible operating temperature	0-60°C
Permissible operating pressure	mbar 1,000-3,200
Volumetric flow rate range	m ³ /h 1-80
Transport	Container-sized, suitable for truck transport

*Specifications and typical properties are listed for informational purposes only and not to be used as purchase specifications.



Typical Applications

- Groundwater dewatering and treatment
- Treatment of contaminated groundwater
- Industrial water treatment
- Removal of organic and adsorbable contaminants
- High-flow water treatment applications
- Temporary and mobile water treatment projects
- Polishing in multi-stage water treatment systems
- PFAS reduction in water treatment

Features and Benefits

- High capacity - up to 80 m³/h
- Approx. 20 m³ activated carbon
- For high-flow applications
- Container-sized configuration
- Designed for truck transport
- Ready for operation
- Indoor/outdoor installation
- Modular series/parallel configuration
- Flexible activated carbon options
- Temporary/permanent water treatment