



Air filtration for mobile equipment

For many years, FG filtration solutions have been performing excellent work in mobile machines produced by the world's leading manufacturers. Construction equipment, such as rock drilling or tunnel boring machines, are also required to operate in environments with high dust loads. This dust-laden air is continuously purified using our cleanable filter elements.

We offer specialized filter cartridges and filter cells that save space through their compact design for use in mobile work machines. These high-performing filtration elements and their corresponding cleaning units ensure a high degree of workplace safety, such as in the areas of facade cleaning, railway track cleaning and in suction dredgers.



Eliminating dust pollution in the construction industry

A lot depends on this - and the work moves forward

Filtration elements with a conical design offer clear advantages over cylindrical elements. With minimum effort, conical FG filtration elements can significantly increase the performance of your facilities. Through greatly reduced up-flow velocities and improved cleaning behaviour, these elements can withstand **up to 30 % higher loads** and achieve markedly improved operation hours. For over 25 years, Clear Edge Filtration has been the leading manufacturer of affordable and efficient filtration solutions for critical dedusting processes. Our products have been providing the highest level of performance in diverse application areas for years. Our product portfolio comprises compact filtration elements (CFEs).



Applications

- Tunnel construction (cement dust suction)
- Overground / underground / mines
- Suction dredgers
- Building renovations
- Tool suction (slit milling machines, drills, etc.)

Your advantages eliminating dust pollution

- Robust, differential pressure-resistance elements
- Optimal filtration performance, even in high-dust environments
- High degree of efficiency & excellent cleanability
- Specialized filter media with PTFE membranes
- Conical filter elements for enhanced performance
- Corrosion-resistant filter elements

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